

BT Staxio

SWE120L
SWE140L



Pedestrian Stacker with elevating support arms

BT Staxio

Specification for stacker trucks						SWE120L	SWE140L
Identification	1.1	Manufacturer				BT	BT
	1.2	Model				SWE120L	SWE140L
	1.3	Drive				Electric	Electric
	1.4	Operator type				Pedestrian	Pedestrian
	1.5	Load capacity/rated load	Q	kg		1200	1400
		Support arm capacity/fork and support arm capacity	Q	kg		1600/—	1600/—
	1.6	Load centre	c	mm		600	600
	1.8	Load distance, centre of support arm wheel to face of forks	x	mm		672	672
	1.9	Wheelbase	y	mm		1282	1282
Weight	2.1	Service weight including battery		kg		929	929
	2.2	Axle load, with load, drive/castor/support arm wheel		kg		450/340/1345	450/360/1525
	2.3	Axle load, without load, drive/castor/support arm wheel		kg		450/220/265	450/220/265
Wheels	3.1	Drive/castor/fork wheel				Powerfriction/Vulkollan/Vulkollan *)	
	3.2	Wheel size, front		mm		Ø230x70	Ø230x70
	3.3	Wheel size, rear		mm		Ø85x74	Ø85x74
	3.4	Additional wheels (dimensions)		mm		Ø125x50	Ø125x50
	3.5	Wheels, number front/rear (x=driven wheels)				1x+2/4	1x+2/4
	3.6	Track width, front	b ₁₀	mm		550	550
	3.7	Track width, rear	b ₁₁	mm		390	390
Dimensions	4.2	Height, mast lowered	h ₁	mm		2135 *)	2160 *)
	4.3	Free lift	h ₂	mm		166 *)	166 *)
	4.4	Lift	h ₃	mm		3210 *)	3165 *)
		Lift height	h ₂₃	mm		3300 *)	3255 *)
	4.5	Height, mast extended	h ₄	mm		3720 *)	3725 *)
	4.6	Initial lift	h ₅	mm		120	120
	4.8	Stand height (optional platform)	h ₇	mm		150	150
	4.9	Height of tiller in drive position, min./max.	h ₁₄	mm		865/1235	865/1235
	4.15	Height, fork lowered	h ₁₃	mm		90	90
	4.19	Overall length	l ₁	mm		1910	1910
	4.20	Length to face of forks	l ₂	mm		760	760
	4.21	Overall width	b ₁	mm		770	770 *)
	4.22	Fork dimensions	s/e/l	mm		60/180/1150 *)	70/180/1150 *)
	4.24	Fork-carriage width	b ₃	mm		674	674
	4.25	Width over forks	b ₅	mm		570 *)	570 *)
	4.31	Ground clearance, with load, below mast	m ₁	mm		22	22
	4.32	Ground clearance, centre of wheelbase	m ₂	mm		22	22
	4.33	Aisle width for pallets 1000x1200 crossways	A _{st}	mm		2400	2400
	4.34	Aisle width for pallets 800x1200 lengthways	A _{st}	mm		2295	2295
	4.35	Turning radius	W _a	mm		1433	1433
Performance data	5.1	Travel speed, with/without load		km/h		6/6	6/6
	5.2	Lift speed, with/without load		m/s		0.12/0.27	0.11/0.27
	5.3	Lowering speed, with/without load		m/s		0.38/0.32	0.37/0.32
	5.8	Max. gradeability, with/without load		%		9/12 ¹⁾	8/12 ¹⁾
	5.10	Service brake				Electromagnetic	Electromagnetic
Electric motor	6.1	Drive motor rating S2 60 min		kW		1.5	1.5
	6.2	Lift motor rating at S3 15%		kW		2.2 ²⁾	2.2 ²⁾
	6.4	Battery voltage/nominal capacity K _s		V/Ah		24/225 *)	24/225 *)
	6.5	Battery weight		kg		214 *)	214 *)
Others	8.1	Type of drive control				BT Powerdrive	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, h₂₃ = 3300 mm (SWE120L) and 3255 mm (SWE140L) Duplex Tele Panoramic View 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 change		SWE120L			SWE140L		
				Lift out		Sideways	Lift out		Sideways
		Battery compartment		Medium	Large	Large	Medium	Large	Large
1.9	Wheelbase	y	mm	1282	1332	1332	1282	1332	1332
4.19	Overall length without platform with platform up/down	l_1	mm	1910 1995/2385	1960 2045/2435	1960 2045/2435	1910 1995/2385	1960 2045/2435	1960 2045/2435
4.20	Length to face of forks without platform with platform up/down	l_2	mm	760 845/1235	810 895/1285	810 895/1285	760 845/1235	810 895/1285	810 895/1285
4.33	Aisle width for pallets 1000x1200 crossways without platform with platform up/down	A_{st}	mm	2400 2485/2885	2449 2534/2934	2449 2534/2934	2400 2485/2885	2449 2534/2934	2449 2534/2934
4.34	Aisle width for pallets 800x1200 lengthways without platform with platform up/down	A_{st}	mm	2295 2380/2780	2344 2429/2829	2344 2429/2829	2295 2380/2780	2344 2429/2829	2344 2429/2829
4.35	Turning radius without platform with platform up/down	W_a	mm	1433 1518/1918	1482 1567/1967	1482 1567/1967	1433 1518/1918	1482 1567/1967	1482 1567/1967
6.4	Battery voltage, nominal capacity K_5		V/Ah	24/225	24/300	24/260	24/225	24/300	24/260
6.5	Battery weight, min.—max.		kg	180—220	220—270	220—230	180—220	220—270	220—230

Mast dimensions

SWE120L			Simplex	Duplex Tele					Dupl. Tele Panoram. View					Duplex HiLo					Triplex HiLo			
h_{23}	Lift height ($h_{13}+h_3$)	mm	1400 1700	2700	2900	3300	3700	4150	2700	2900	3300	3700	4150	2700	2900	3300	3700	4150	3300	3700	4150	4500
h_3	Lift	mm	1310 1610	2610	2810	3210	3610	4060	2610	2810	3210	3610	4060	2610	2810	3210	3610	4060	3210	3610	4060	4410
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
h_2	Free lift, ground to top of forks	mm	1400 1700	166	166	166	166	166	166	166	166	166	166	1452	1552	1752	1952	2177	1301	1435	1585	1701
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

SWE140L			Duplex Tele Panoramic View					Duplex HiLo					Triplex HiLo				
h_{23}	Lift height ($h_{13}+h_3$)	mm	2655	2855	3255	3655	4105	2655	2855	3255	3655	4105	3255	3655	4105	4455	4755
h_3	Lift	mm	2565	2765	3165	3565	4015	2565	2765	3165	3565	4015	3165	3565	4015	4365	4665
h_1	Height, mast lowered	mm	1860	1960	2160	2360	2585	1835	1935	2135	2335	2560	1695	1829	1979	2095	2195
h_2	Free lift, ground to top of forks	mm	166	166	166	166	166	1407	1507	1707	1907	2132	1256	1390	1540	1656	1756
h_4	Height, mast extended	mm	3125	3325	3725	4125	4575	3141	3341	3741	4141	4591	3747	4149	4599	4947	5247



