

# 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 <sub>10</sub>	mm	550	550
	3.7	Track width, rear	b <sub>11</sub>	mm	390	390
Dimensions	4.2	Height, mast lowered	h <sub>1</sub>	mm	2135 *)	2160 *)
	4.3	Free lift	h <sub>2</sub>	mm	166 *)	166 *)
	4.4	Lift	h <sub>3</sub>	mm	3210 *)	3165 *)
		Lift height	h <sub>23</sub>	mm	3300 *)	3255 *)
	4.5	Height, mast extended	h <sub>4</sub>	mm	3720 *)	3725 *)
	4.6	Initial lift	h <sub>5</sub>	mm	120	120
	4.8	Stand height (optional platform)	h <sub>7</sub>	mm	150	150
	4.9	Height of tiller in drive position, min./max.	h <sub>14</sub>	mm	865/1235	865/1235
	4.15	Height, fork lowered	h <sub>13</sub>	mm	90	90
	4.19	Overall length	l <sub>1</sub>	mm	1910	1910
	4.20	Length to face of forks	l <sub>2</sub>	mm	760	760
	4.21	Overall width	b <sub>1</sub>	mm	770	770 *)
	4.22	Fork dimensions	s/e/l	mm	60/180/1150 *)	70/180/1150 *)
	4.24	Fork-carriage width	b <sub>3</sub>	mm	674	674
	4.25	Width over forks	b <sub>5</sub>	mm	570 *)	570 *)
	4.31	Ground clearance, with load, below mast	m <sub>1</sub>	mm	22	22
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	22	22
4.33	Aisle width for pallets 1000x1200 crossways	A <sub>st</sub>	mm	2400	2400	
4.34	Aisle width for pallets 800x1200 lengthways	A <sub>st</sub>	mm	2295	2295	
4.35	Turning radius	W <sub>a</sub>	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 <sup>1)</sup>	8/12 <sup>1)</sup>
	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 <sup>2)</sup>	2.2 <sup>2)</sup>
	6.4	Battery voltage/nominal capacity K <sub>s</sub>		V/Ah	24/225 *)	24/225 *)
	6.5	Battery weight		kg	214 *)	214 *)
	Others	8.1	Type of drive control			BT Powerdrive

<sup>1)</sup> Measured according to company standard

<sup>2)</sup> S3 6%

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

Data is based on standard configurations: Medium battery compartment, h<sub>23</sub> = 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 (h13+h3)	mm	1400 1700	2700 2900 3300 3700 4150	2700 2900 3300 3700 4150	2700 2900 3300 3700 4150	2700 2900 3300 3700 4150	2700 2900 3300 3700 4150	2700 2900 3300 3700 4150	2700 2900 3300 3700 4150	2700 2900 3300 3700 4150	2700 2900 3300 3700 4150	2700 2900 3300 3700 4150	2700 2900 3300 3700 4150	2700 2900 3300 3700 4150	2700 2900 3300 3700 4150	2700 2900 3300 3700 4150	2700 2900 3300 3700 4150	2700 2900 3300 3700 4150		
$h_3$	Lift	mm	1310 1610	2610 2810 3210 3610 4060	2610 2810 3210 3610 4060	2610 2810 3210 3610 4060	2610 2810 3210 3610 4060	2610 2810 3210 3610 4060	2610 2810 3210 3610 4060	2610 2810 3210 3610 4060	2610 2810 3210 3610 4060	2610 2810 3210 3610 4060	2610 2810 3210 3610 4060	2610 2810 3210 3610 4060	2610 2810 3210 3610 4060	2610 2810 3210 3610 4060	2610 2810 3210 3610 4060	2610 2810 3210 3610 4060	2610 2810 3210 3610 4060		
$h_1$	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	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560		
$h_2$	Free lift, ground to top of forks	mm	1400 1700	166 166 166 166 166	166 166 166 166 166	166 166 166 166 166	166 166 166 166 166	166 166 166 166 166	166 166 166 166 166	166 166 166 166 166	166 166 166 166 166	166 166 166 166 166	166 166 166 166 166	166 166 166 166 166	166 166 166 166 166	166 166 166 166 166	166 166 166 166 166	166 166 166 166 166	166 166 166 166 166		
$h_4$	Height, mast extended	mm	1825 2125	3136 3336 3736 4136 4586	3120 3320 3720 4120 4570	3120 3320 3720 4120 4570	3120 3320 3720 4120 4570	3120 3320 3720 4120 4570	3120 3320 3720 4120 4570	3120 3320 3720 4120 4570	3120 3320 3720 4120 4570	3120 3320 3720 4120 4570	3120 3320 3720 4120 4570	3120 3320 3720 4120 4570	3120 3320 3720 4120 4570	3120 3320 3720 4120 4570	3120 3320 3720 4120 4570	3120 3320 3720 4120 4570	3120 3320 3720 4120 4570		

SWE140L			Duplex Tele Panoramic View					Duplex HiLo					Triplex HiLo						
$h_{23}$	Lift height (h13+h3)	mm	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	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	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	2655 2855 3255 3655 4105	2655 2855 3255 3655 4105
$h_3$	Lift	mm	2565 2765 3165 3565 4015	2565 2765 3165 3565 4015	2565 2765 3165 3565 4015	2565 2765 3165 3565 4015	2565 2765 3165 3565 4015	2565 2765 3165 3565 4015	2565 2765 3165 3565 4015	2565 2765 3165 3565 4015	2565 2765 3165 3565 4015	2565 2765 3165 3565 4015	2565 2765 3165 3565 4015	2565 2765 3165 3565 4015	2565 2765 3165 3565 4015	2565 2765 3165 3565 4015	2565 2765 3165 3565 4015	2565 2765 3165 3565 4015	2565 2765 3165 3565 4015
$h_1$	Height, mast lowered	mm	1860 1960 2160 2360 2585	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560	1835 1935 2135 2335 2560
$h_2$	Free lift, ground to top of forks	mm	166 166 166 166 166	1407 1507 1707 1907 2132	1407 1507 1707 1907 2132	1407 1507 1707 1907 2132	1407 1507 1707 1907 2132	1407 1507 1707 1907 2132	1407 1507 1707 1907 2132	1407 1507 1707 1907 2132	1407 1507 1707 1907 2132	1407 1507 1707 1907 2132	1407 1507 1707 1907 2132	1407 1507 1707 1907 2132	1407 1507 1707 1907 2132	1407 1507 1707 1907 2132	1407 1507 1707 1907 2132	1407 1507 1707 1907 2132	1407 1507 1707 1907 2132
$h_4$	Height, mast extended	mm	3125 3325 3725 4125 4575	3141 3341 3741 4141 4591	3141 3341 3741 4141 4591	3141 3341 3741 4141 4591	3141 3341 3741 4141 4591	3141 3341 3741 4141 4591	3141 3341 3741 4141 4591	3141 3341 3741 4141 4591	3141 3341 3741 4141 4591	3141 3341 3741 4141 4591	3141 3341 3741 4141 4591	3141 3341 3741 4141 4591	3141 3341 3741 4141 4591	3141 3341 3741 4141 4591	3141 3341 3741 4141 4591	3141 3341 3741 4141 4591	3141 3341 3741 4141 4591



