

Pedestrian stacker truck 1.2 - 1.4 ton



BT staxio

W-series

SWE120

SWE140



TOYOTA

MATERIAL HANDLING

stronger together

Pedestrian stacker

Specification for stacker trucks						SWE120	SWE140
Identification	1.1	Manufacturer				BT	BT
	1.2	Model				SWE120	SWE140
	1.3	Drive				Electric	Electric
	1.4	Operator type				Pedestrian	Pedestrian
	1.5	Load capacity/rated load	Q	kg		1200	1400
	1.6	Load centre	c	mm		600	600
	1.8	Load distance, centre of support arm wheel to face of forks	x	mm		639	639
	1.9	Wheelbase	y	mm		1247	1247
Weight	2.1	Service weight including battery		kg		929	929
	2.2	Axle load, with load, drive/castor/support arm wheel		kg		400/290/1445	450/245/1640
	2.3	Axle load, without load, drive/castor/support arm wheel		kg		400/250/285	450/200/285
Wheels	3.1	Drive/castor/fork wheel				Powerfriction/Vulkollan/Vulkollan *)	
	3.2	Wheel size, front		mm		Ø230x70	Ø230x70
	3.3	Wheel size, rear		mm		Ø85x95	Ø85x95
	3.4	Additional wheels (dimensions)		mm		Ø125x50	Ø125x50
	3.5	Wheels, number front/rear (x=driven wheels)				1x+2/2	1x+2/2
	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 *)
	4.8	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		1906	1901
	4.20	Length to face of forks	l ₂	mm		758	758
	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		27	27
	4.32	Ground clearance, centre of wheelbase	m ₂	mm		27	27
	4.33	Aisle width for pallets 1000x1200 crossways	A _{st}	mm		2297	2297
	4.34	Aisle width for pallets 800x1200 lengthways	A _{st}	mm		2286	2286
	4.35	Turning radius	W _a	mm		1397	1397
Performance data	5.1	Travel speed, with/without load		km/h		6/6	6/6
	5.2	Lift speed, with/without load		m/s		0.12/0.28	0.11/0.28
	5.3	Lowering speed, with/without load		m/s		0.38/0.38	0.37/0.38
	5.8	Max. gradeability, with/without load		%		8/12 ¹⁾	8/12 ¹⁾
	5.10	Service brake				Electromagnetic	Electromagnetic
Electric motor	6.1	Drive motor rating S2 60 min		kW		1.0	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		219 *)	219 *)
Oth-ers	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 (SWE120) and 3255 mm (SWE140) 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

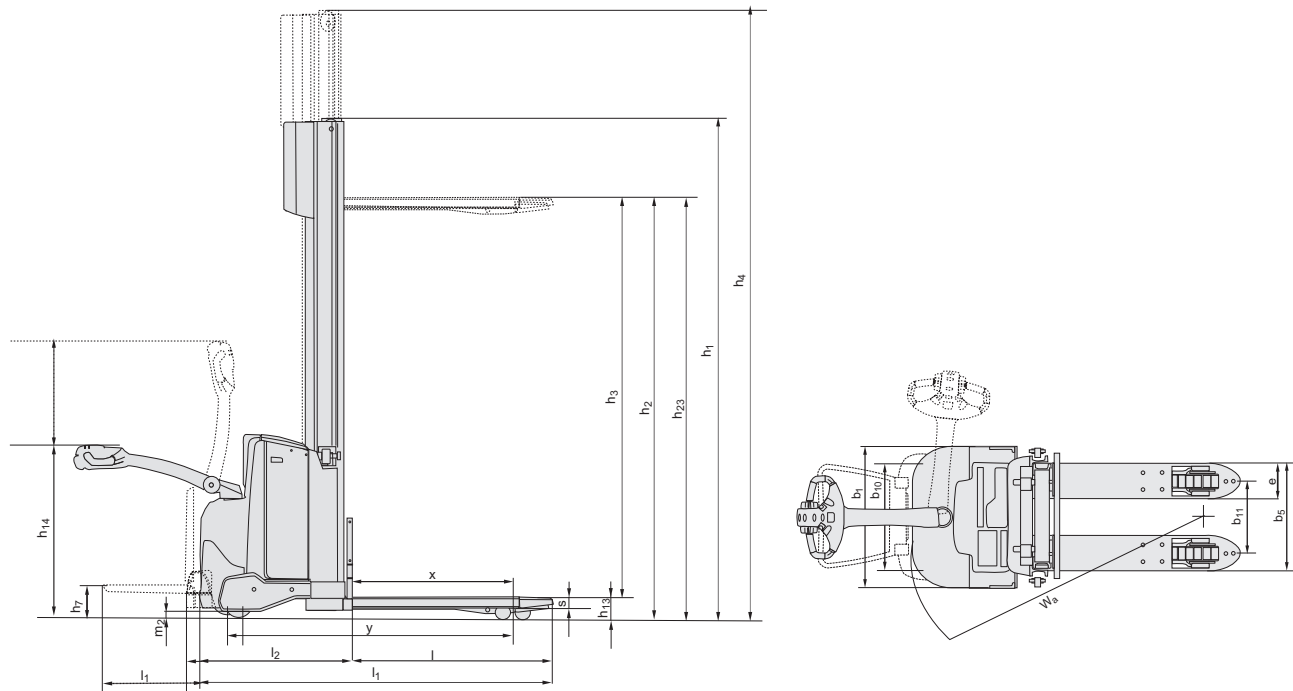
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Dimensions		Battery change		SWE120			SWE140		
				Lift out		Sideways	Lift out		Sideways
		Battery compartment		Medium	Large	Large	Medium	Large	Large
1.9	Wheelbase	y	mm	1247	1297	1297	1247	1297	1297
4.19	Overall length	l_1	mm	1906	1956	1956	1901	1951	1951
	without platform		mm	1991/2381	2041/2431	2041/2431	1986/2376	2036/2426	2036/2426
4.20	Length to face of forks	l_2	mm	758	808	808	758	808	808
	without platform		mm	843/1233	893/1283	893/1283	843/1233	893/1283	893/1283
4.33	Aisle width for pallets 1000x1200 crossways	A_{st}	mm	2297	2347	2347	2297	2347	2347
	without platform		mm	2382/2782	2432/2832	2432/2832	2382/2782	2432/2832	2432/2832
4.34	Aisle width for pallets 800x1200 lengthways	A_{st}	mm	2286	2336	2336	2286	2336	2336
	without platform		mm	2371/2771	2421/2821	2421/2821	2371/2771	2421/2821	2421/2821
4.35	Turning radius	W_a	mm	1397	1447	1447	1397	1447	1447
	without platform		mm	1482/1882	1532/1932	1532/1932	1482/1882	1532/1932	1532/1932
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	189—250	230—280	209—250	189—250	230—280	209—250

Mast dimensions

SWE120			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	1840	1940	2140	2340	2565	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	1420	1520	1720	1920	2144	1270	1404	1554	1670	
h ₄	Height, mast extended	mm	1825 2125	3125	3325	3725	4125	4575	3120	3320	3720	4120	4570	3141	3341	3741	4141	4591	3747	4149	4599	4947	

SWE140			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	1374	1474	1674	1874	2099	1224	1358	1508	1624	1724
h_4	Height, mast extended	mm	3125	3325	3725	4125	4575	3141	3341	3741	4141	4591	3747	4149	4599	4947	5247



Truck features:

- BT Powerdrive System
- Fingertip controls
- Electronic braking system
- Electronic speed control
- Operator safety
- Storage compartments
- Automatic switch-off
- Click-2-creep
- Programmable performance
- Easy access for maintenance
- Built in charger (option)
- Sensilift (option)
- Flip-up operator platform (option)
- Toyota I_site: truck fleet management system (option)
- Hydraulic oil for low temperatures (option)

