

Pedestrian stacker truck 1.2 ton

BT staxio

W-series

SWE120S



Pedestrian stacker straddle version

Specification for stacker trucks						SWE120S	
Identification	1.1	Manufacturer					Toyota
	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					Polyurethane
	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_{r1}	mm			1000
Dimensions	4.2	Height, mast lowered	h_1	mm			1840 *)
	4.3	Free lift	h_2	mm			1330 *)
	4.4	Lift	h_3	mm			2605 *)
		Lift height	h_{23}	mm			2655 *)
	4.5	Height, mast extended	h_4	mm			3226 *)
	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
4.34.1	Aisle width for pallets 1000x1200 crossways	A_{st}	mm			2303	
4.34.2	Aisle width for pallets 800x1200 lengthways	A_{st}	mm			2314	
4.35	Turning radius	W_a	mm			1360	
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			192 *)
	6.6	Energy consumption according to VDI cycle		kWh/h			0,79
		Energy consumption according to EN16796:2016		kWh/h			0,6
	6.7	Turnover output		t/h			52,8
	6.8	Energy consumption at turnover output		kWh/h			1,07
Other	8.1	Type of drive control					Variable AC

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.

All data are based on table configuration. Other configurations may give other values.

Truck performance and dimensions are nominal and subject to tolerances.

Toyota Material Handling products and specifications are subject to change without notice.

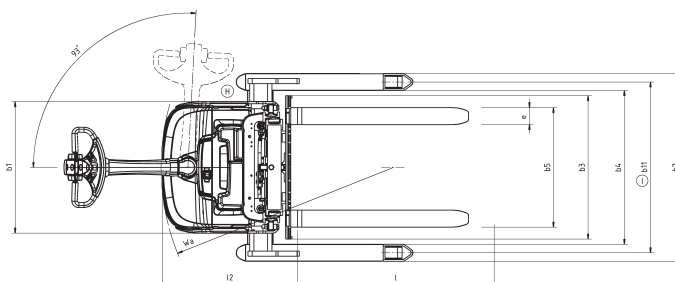
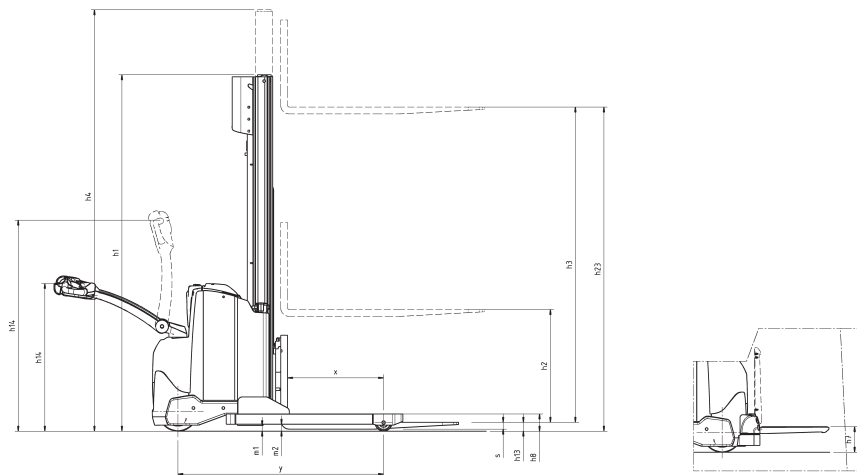
Battery dependent dimensions

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Dimensions		Battery Compartment		SWE120S	
				Medium	Large
1.9	Wheelbase	y	mm	1208	1258
4.19	Overall length	l ₁	mm	1888	1938
	without platform		mm	1973/2363	2023/2413
4.20	Length to face of forks	l ₂	mm	796	846
	without platform		mm	881/1271	931/1321
4.34.1	Aisle width for pallets 1000x1200 crossways	A _{st}	mm	2303	2353
	without platform		mm	2388/2788	2438/2838
4.34.2	Aisle width for pallets 800x1200 lengthways	A _{st}	mm	2314	2364
	without platform		mm	2399/2799	2449/2849
4.35	Turning radius, forks raised	W _a	mm	1360	1410
	without platform		mm	1445/1845	1495/1895
6.4	Battery voltage, nominal capacity, Lead-Acid	K ₅	V/Ah	24/225	24/300
	Battery voltage, nominal capacity, Li-Ion	K ₅	V/Ah	24/105	24/210
6.5	Battery weight, nominal		kg	192	248
	Battery weight, min.—max.		kg	185 - 285	185 - 285

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 1822 2122	1845 1945 2145 2345 2570	1840 1940 2140 2340 2565	1840 1940 2140 2340 2565	1717 1851 2001 2117 2217
h ₂	Free lift, ground to top of forks	mm 1305 1605	76 76 76 76 76	76 76 76 76 76	1330 1430 1630 1830 2054	1180 1314 1464 1580 1680
h ₄	Height, mast extended	mm 1901 2201	3205 3405 3805 4205 4655	3205 3405 3805 4205 4655	3226 3426 3826 4226 4676	3822 4224 4674 5022 5322



Truck features:

- 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)

