

# 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 <sup>1)</sup>
	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 <sup>2)</sup>
	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

<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,  $h_{23}$  = 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.

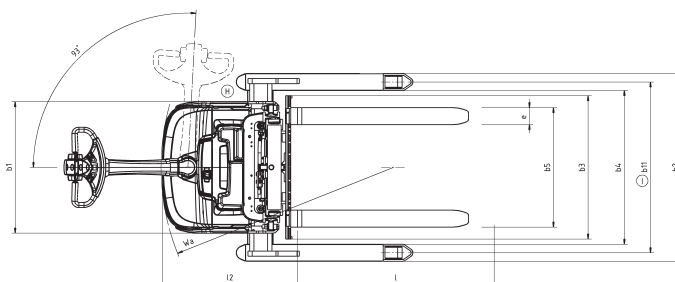
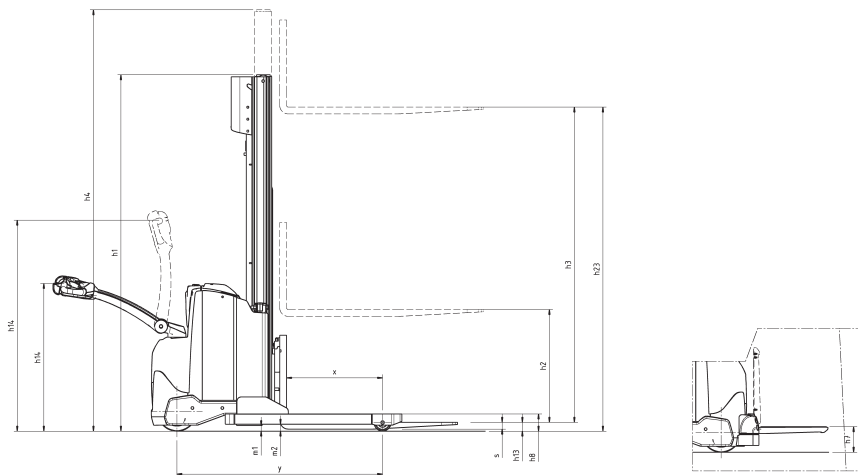
# Battery dependent dimensions

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Dimensions		Battery Compartment		SWE120S	
				Medium	Large
1.9	Wheelbase	y	mm	1208	1258
4.19	Overall length	l <sub>1</sub>	mm	1888	1938
	without platform		mm	1973/2363	2023/2413
4.20	Length to face of forks	l <sub>2</sub>	mm	796	846
	without platform		mm	881/1271	931/1321
4.34.1	Aisle width for pallets 1000x1200 crossways	A <sub>st</sub>	mm	2303	2353
	without platform		mm	2388/2788	2438/2838
4.34.2	Aisle width for pallets 800x1200 lengthways	A <sub>st</sub>	mm	2314	2364
	without platform		mm	2399/2799	2449/2849
4.35	Turning radius, forks raised	W <sub>a</sub>	mm	1360	1410
	without platform		mm	1445/1845	1495/1895
6.4	Battery voltage, nominal capacity, Lead-Acid	K <sub>5</sub>	V/Ah	24/225	24/300
	Battery voltage, nominal capacity, Li-Ion	K <sub>5</sub>	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 Panor. View				Duplex HiLo				Triplex HiLo				
h <sub>23</sub>	Lift height (h <sub>13</sub> +h <sub>3</sub> )	mm	1355	1655	2655	2855	3255	3655	4105	2655	2855	3255	3655	4105	3255	3655	4105	4455	4755
h <sub>3</sub>	Lift	mm	1305	1605	2605	2805	3205	3605	4005	2605	2805	3205	3605	4005	3205	3605	4005	4405	4705
h <sub>1</sub>	Height, mast lowered	mm	1822	2122	1845	1945	2145	2345	2570	1840	1940	2140	2340	2565	1717	1851	2001	2117	2217
h <sub>2</sub>	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
h <sub>4</sub>	Height, mast extended	mm	1901	2201	3205	3405	3805	4205	4655	3205	3405	3805	4205	4655	3226	3426	3826	4226	4676



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## 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)

