

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		987
	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 ₁₁	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
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 _s		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
	10.7	Sound level at the driver's ear according to EN12053		dB(A)		61

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 = 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.

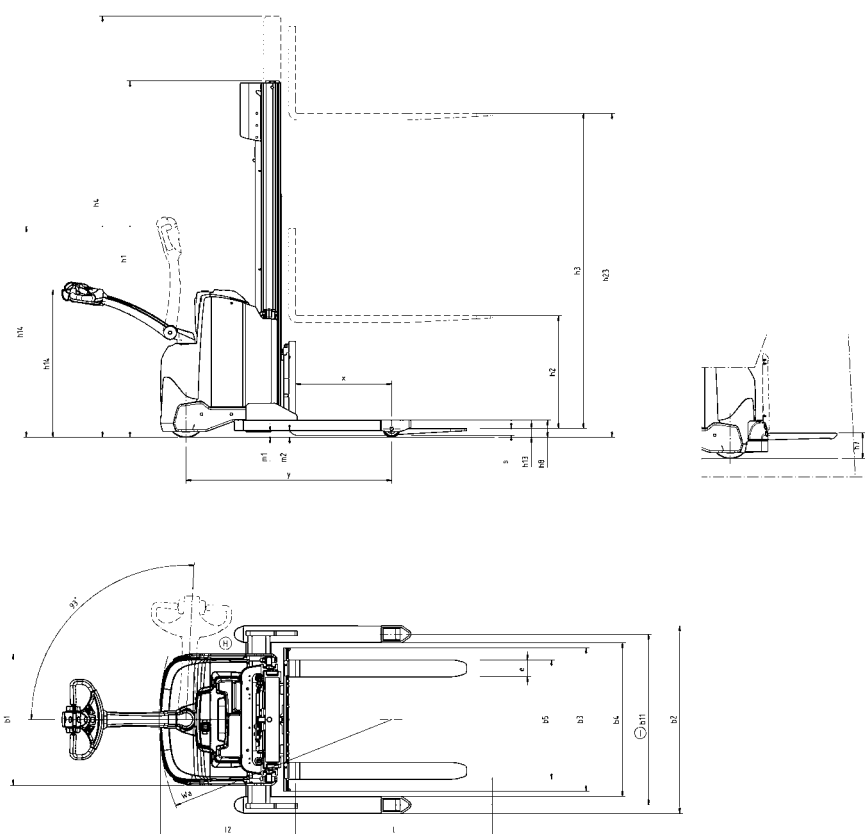
Toyota Material Handling products and specifications are subject to change without notice.

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Dimensions		Battery Compartment		SWE120S	
				Medium	Large
1.9	Wheelbase	y	mm	1208	1258
4.19	Overall length	I ₁	mm	1888	1938
	without platform			1973/2363	2023/2413
4.20	Length to face of forks	I ₂	mm	796	846
	without platform			881/1271	931/1321
4.34.1	Aisle width for pallets 1000x1200 crossways	A _{st}	mm	2303	2353
	without platform			2388/2788	2438/2838
4.34.2	Aisle width for pallets 800x1200 lengthways	A _{st}	mm	2314	2364
	without platform			2399/2799	2449/2849
4.35	Turning radius, forks raised	W _a	mm	1360	1410
	without platform			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)

