

Pedestrian stacker truck 1.2 ton



BT staxio

W-series

SWE120S



TOYOTA

MATERIAL HANDLING

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	569
	1.9	Wheelbase	y	mm	1203
Weight	2.1	Service weight including battery		kg	1009
	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			Friction/Vulkollan *)
	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	1832 *)
	4.3	Free lift	h ₂	mm	1380 *)
	4.4	Lift	h ₃	mm	2655 *)
		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	784
	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
	4.33	Aisle width for pallets 1000x1200 crossways	A _{st}	mm	2292
	4.34	Aisle width for pallets 800x1200 lengthways	A _{st}	mm	2300
	4.35	Turning radius	W _a	mm	1353
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	219 *)
	6.6	Energy consumption according to VDI cycle		kWh/h	0,79
Other	8.1	Type of drive control			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 = 2655 mm Duplex HiLo mast.

Truck performance and dimensions are nominal and subject to tolerances.

BT Products AB products and specifications are subject to change without notice.

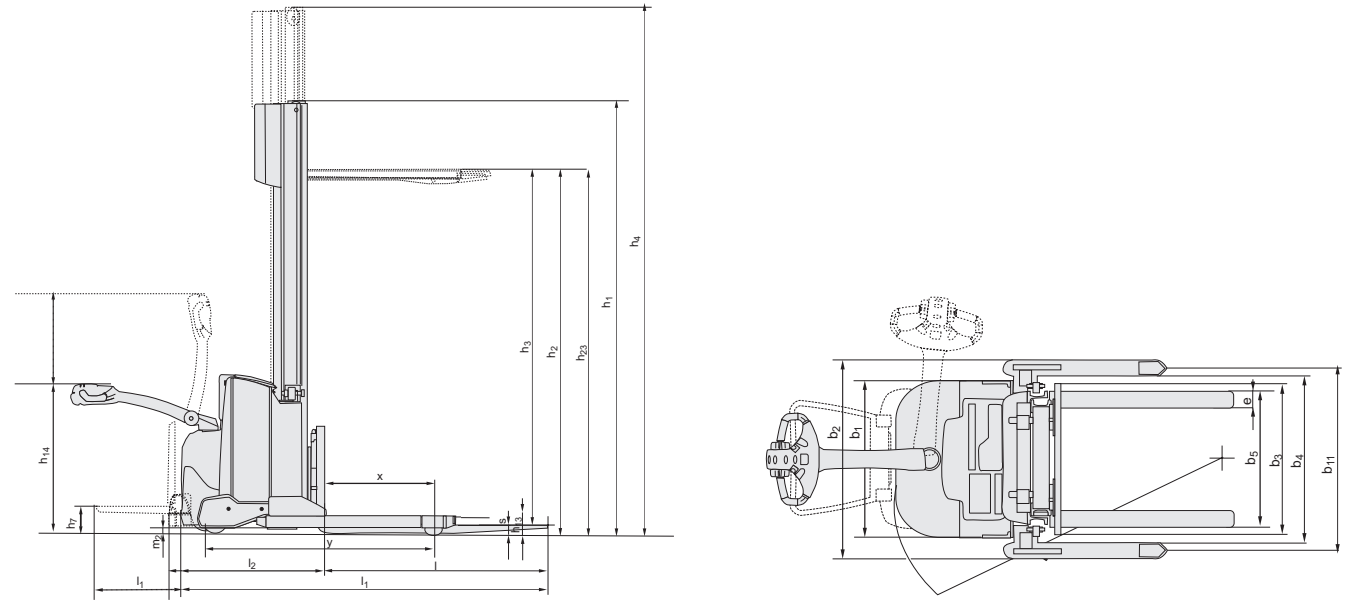
Battery dependent dimensions

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Dimensions		Battery Compartment		SWE120S	
				Medium	Large
1.9	Wheelbase	y	mm	1203	1253
4.19	Overall length	l_1	mm	1946 2031/2421	1996 2081/2471
	without platform		mm		
	with platform up/down		mm		
4.20	Length to face of forks	l_2	mm	784 869/1259	834 919/1309
	without platform		mm		
	with platform up/down		mm		
4.33	Aisle width for pallets 1000x1200 crossways	A_{st}	mm	2292 2377/2777	2343 2427/2827
	without platform		mm		
	with platform up/down		mm		
4.34	Aisle width for pallets 800x1200 lengthways	A_{st}	mm	2300 2386/2785	2350 2435/2835
	without platform		mm		
	with platform up/down		mm		
4.35	Turning radius	W_a	mm	1353 1438/1838	1403 1488/1888
	without platform		mm		
	with platform up/down		mm		
6.4	Battery voltage, nominal capacity K_5		V/Ah	24/225	24/300
6.5	Battery weight, min.—max.		kg	189—250	230—280

Mast dimensions

SWE120S			Simplex		Duplex Tele						Dupl. Tele Panor. 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	1837	1937	2137	2337	2562		1832	1932	2132	2332	2557	1832	1932	2132	2332	2557	1692	1826	1976	2092	2192
h_2	Free lift, ground to top of forks	mm	1355	1655	126	126	126	126	126		126	126	126	126	126	1380	1480	1680	1880	2104	1230	1364	1514	1630	1730
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:

- 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)

