

# SWE120S

Specifications						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		Ø 230x70
	3.3	Wheel size, rear			mm		Ø 100x73
	3.5	Wheels, number front/rear (x = driven wheels)					1x/2
	3.7	Track width, rear		b <sub>11</sub>	mm		1000
	Dimensions	4.2	Height, mast lowered			h <sub>1</sub>	mm
4.3		Free lift			h <sub>2</sub>	mm	1380 *
4.4		Lift			h <sub>3</sub>	mm	2655 *
		Lift height			h <sub>23</sub>	mm	2655 *
4.5		Height, mast extended			h <sub>4</sub>	mm	3226 *
4.8		Stand height (optional platform)			h <sub>7</sub>	mm	150
4.9		Height of tiller in drive position, min./max.			h <sub>14</sub>	mm	865/1235
4.10		Height of support arm			h <sub>10</sub>	mm	100
4.15		Height, fork lowered			h <sub>13</sub>	mm	50
4.19		Overall length			l <sub>1</sub>	mm	1946
4.20		Length to face of forks			l <sub>2</sub>	mm	784
4.21		Overall width			b <sub>1</sub> /b <sub>2</sub>	mm	770/1100 *
4.22		Fork dimensions			s/e/l	mm	40/100/1150 *
4.24		Fork-carriage width			b <sub>3</sub>	mm	840
4.25		Width over forks			b <sub>5</sub>	mm	252—800
4.26		Distance between support arms			b <sub>4</sub>	mm	900 *
4.31		Ground clearance, with load, below mast			m <sub>1</sub>	mm	32
4.32		Ground clearance, centre of wheelbase			m <sub>2</sub>	mm	40
4.34.1		Aisle width for pallets 1000x1200 crossways			A <sub>st</sub>	mm	2303
4.34.2		Aisle width for pallets 800x1200 lengthways			A <sub>st</sub>	mm	2314
4.35	Turning radius			W <sub>g</sub>	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 <sub>5</sub>			V/Ah		24/225 *
	6.5	Battery weight			kg		192 <sup>1)</sup>
	6.6	Energy consumption according to VDI cycle			kWh/h		0,79
		Energy consumption acc. 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<sub>23</sub> = 2655 mm Duplex Hi-Lo mast.

## Battery dependent dimensions

Dimensions		Battery Compartment		SWE120S	
				Medium	Large
1.9	Wheelbase	y	mm	1208	1258
4.19	Overall length		mm		
	without platform	$l_1$	mm	1888	1938
	with platform up/down		mm	1973/2363	2023/2413
4.20	Length to face of forks		mm		
	without platform	$l_2$	mm	796	846
	with platform up/down		mm	881/1271	931/1321
4.34.1	Aisle width for pallets 1000x1200 crossways		mm		
	without platform	$A_{st}$	mm	2303	2353
	with platform up/down		mm	2388/2788	2438/2838
4.34.2	Aisle width for pallets 800x1200 lengthways		mm		
	without platform	$A_{st}$	mm	2314	2364
	with platform up/down		mm	2399/2799	2449/2849
4.35	Turning radius		mm		
	without platform	$W_a$	mm	1360	1410
	with platform up/down		mm	1445/1845	1495/1895
6.4	Battery voltage, nominal capacity, Lead-Acid	$K_s$	V/Ah	24/225	24/300
	Battery voltage, nominal capacity, Li-Ion	$K_s$	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 Hi-Lo				Triplex Hi-Lo							
$h_{23}$	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

