

SWE100

Specifications						SWE100	
Identification	1.1	Manufacturer					Toyota
	1.2	Model					SWE100
	1.3	Drive					Electric
	1.4	Operator type					Pedestrian
	1.5	Load capacity/rated load		Q	kg		1000
	1.6	Load centre		c	mm		600
	1.8	Load distance, centre of support arm wheel to face of forks		x	mm		663
	1.9	Wheelbase		y	mm		1195
Weight	2.1	Service weight including battery			kg		809
	2.2	Axle load, with load, drive/castor/support arm wheel			kg		350/280/1185
	2.3	Axle load, without load, drive/castor/support arm wheel			kg		350/230/235
Wheels	3.1	Drive/castor/fork wheel					Polyurethane
	3.2	Wheel size, front			mm		Ø 230x70
	3.3	Wheel size, rear			mm		Ø 85x95
	3.4	Additional wheels (dimensions)			mm		Ø 125x50
	3.5	Wheels, number front/rear (x = driven wheels)					1x+2/2
	3.6	Track width, front		b ₁₀	mm		550
	3.7	Track width, rear		b ₁₁	mm		390
Dimensions	4.2	Height, mast lowered		h ₁	mm		2151 *
	4.3	Free lift		h ₂	mm		166 *
	4.4	Lift		h ₃	mm		3210 *
		Lift height		h ₂₃	mm		3300 *
	4.5	Height, mast extended		h ₄	mm		3720 *
	4.8	Stand height (optional platform)		h ₇	mm		150
	4.9	Height of tiller in drive position without platform, min./max.		h ₁₄	mm		865/1235
		Height of tiller in drive position with platform, min./max.		h ₁₄	mm		1055/1235
	4.15	Height, fork lowered		h ₁₃	mm		90
	4.19	Overall length		l ₁	mm		1831
	4.20	Length to face of forks		l ₂	mm		683
	4.21	Overall width		b ₁	mm		770
	4.22	Fork dimensions		s/e/l	mm		60/180/1150 *
	4.24	Fork-carriage width		b ₃	mm		674
	4.25	Width over forks		b ₅	mm		570 *
	4.31	Ground clearance, with load, below mast		m ₁	mm		27
	4.32	Ground clearance, centre of wheelbase		m ₂	mm		27
4.34.1	Aisle width for pallets 1000x1200 crossways		A _{st}	mm		2234	
4.34.2	Aisle width for pallets 800x1200 lengthways		A _{st}	mm		2216	
4.35	Turning radius		W _a	mm		1346	
Performance data	5.1	Travel speed, with/without load			km/h		6/6
	5.2	Lift speed, with/without load			m/s		0,14/0,28
	5.3	Lowering speed, with/without load			m/s		0,38/0,38
	5.8	Max. gradeability, with/without load ²⁾			%		8/12 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		24/150 *
	6.5	Battery weight			kg		144 ¹⁾
	6.6	Energy consumption acc. to VDI cycle			kWh/h		0,49
		Energy consumption acc. to EN16796:2016			kWh/h		0,42
	6.7	Turnover output			t/h		36,9
	6.8	Energy consumption at turnover output			kWh/h		0,81
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: Small battery compartment, h₂₃ = 3300 mm Duplex Tele mast.

Battery dependent dimensions

Dimensions		Battery Compartment		SWE100		
				Small	Medium	Large
1.9	Wheelbase	y	mm	1195	1252	1302
4.19	Overall length	l_1	mm	1831	1888	1938
	... without platform		mm	1916/2306	1973/2363	2023/2413
4.20	Length to face of forks	l_2	mm	681	738	788
	without platform		mm	766/1156	823/1213	873/1263
4.34.1	Aisle width for pallets 1000x1200 crossways	A_{st}	mm	2234	2291	2341
	without platform		mm	2319/2719	2376/2776	2426/2826
4.34.2	Aisle width for pallets 800x1200 lengthways	A_{st}	mm	2216	2273	2323
	without platform		mm	2301/2701	2358/2758	2408/2808
4.35	Turning radius, forks raised	W_a	mm	1346	1403	1453
	without platform		mm	1431/1831	1488/1888	1538/1938
6.4	Battery voltage, nominal capacity, Lead-Acid	K_s	V/Ah	24/150	24/225	24/300
	Battery voltage, nominal capacity, Li-Ion	K_s	V/Ah	24/105	-	24/210
6.5	Battery weight, nominal		kg	144	192	248
	Battery weight, min. - max.		kg	139 - 285	139 - 285	139 - 285

Mast dimensions

SWE100			Simplex		Duplex Tele			Duplex Tele Panoramic View		
h_{23}	Lift height ($h_{13}+h_3$)	mm	1400	1700	2700	2900	3300	2700	2900	3300
h_3	Lift	mm	1310	1610	2610	2810	3210	2610	2810	3210
h_1	Height, mast lowered	mm	1825	2125	1851	1951	2151	1835	1935	2135
h_2	Free lift, ground to top of forks	mm	1400	1700	166	166	166	166	166	166
h_4	Height, mast extended	mm	1825	2125	3125	3325	3725	3120	3320	3720

