

SWE140S

Specifications						SWE140S	
Identification	1.1	Manufacturer				Toyota	
	1.2	Model				SWE140S	
	1.3	Drive				Electric	
	1.4	Operator type				Stand on/pedestrian	
	1.5	Load capacity/rated load		Q	kg	1400	
	1.6	Load centre		c	mm	600	
	1.8	Load distance, centre of support arm wheel to face of forks		x	mm	758	
	1.9	Wheelbase		y	mm	1443	
	Weight	2.1	Service weight including battery			kg	1509
2.2		Axle load, with load, drive/castor/support arm wheel			kg	510/625/1774	
2.3		Axle load, without load, drive/castor/support arm wheel			kg	360/630/519	
Wheels	3.1	Drive/castor/fork wheel				Polyurethane	
	3.2	Wheel size, front			mm	Ø 230	
	3.3	Wheel size, rear			mm	Ø 140/Ø 85	
	3.4	Additional wheel size			mm	Ø 125	
	3.5	Wheels, number front/rear (x = driven wheels)				1x+2/2 or 4	
	3.6	Track width, front		b ₁₀	mm	585	
	3.7	Track width, rear		b ₁₁	mm	985 *	
Dimensions	4.2	Height, mast lowered			h ₁	mm	1946
	4.3	Free lift			h ₂	mm	1478
	4.4	Lift			h ₃	mm	4060
		Lift height			h ₂₃	mm	4100
	4.5	Height, mast extended			h ₄	mm	4668
	4.9	Height of tiller in drive position, min./max. pedestrian			h ₁₄	mm	869/1294
	4.10	Height of support arm			h ₁₀	mm	140 or 93
	4.15	Height, fork lowered			h ₁₃	mm	50
	4.19	Overall length			l ₁	mm	2041
	4.20	Length to face of forks, without platform			l ₂	mm	891
	4.21	Overall width			b ₁ /b ₂	mm	790/1172 *
	4.22	Fork dimensions			s/e/l	mm	40/100/1150
	4.25	Width over forks			b ₅	mm	250-890
	4.26	Distance between support arms			b ₄	mm	900-1300
	4.32	Ground clearance, centre of wheelbase			m ₂	mm	40/32,5
4.33	Aisle width for pallets 1000x1200 crossways			A _{st}	mm	2517	
4.34	Aisle width for pallets 800x1200 lengthways			A _{st}	mm	2396	
4.35	Turning radius			W _a	mm	1600	
Performance data	5.1	Travel speed, with/without load			km/h	6,0/6,0	
	5.2	Lift speed, with/without load			m/s	0,17/0,33	
	5.3	Lowering speed, with/without load			m/s	0,45/0,45	
	5.8	Max. gradeability, with/without load ¹⁾			%	8/12	
	5.9	Acceleration time (over 10 m)			s	7,1	
	5.10	Service brake				Electromagnetic	
Electric motor	6.1	Drive motor rating (S2 60min)				1,8	
	6.2	Lift motor rating (S3 15%)			kW	3	
	6.4	Battery voltage, nominal capacity K ₅			V/Ah	24/300	
	6.5	Battery weight			kg	195-270	
	6.6	Energy consumption according to VDI cycle			kWh/h	1,078	
	Other	8.1	Type of drive control				Variable AC
8.4		Sound level at the driver's ear according to EN 12 053			dB (A)	66	

1) Measured according to company standard.

* Further alternatives are available and will produce other values.

Data is based on standard truck and small battery.

Battery dependent dimensions

Dimensions				SWE140S			
				Battery		Lift out	
						S	L
1.9	Wheelbase	y	mm	1443	1540		
4.19	Overall length	l_1	mm	2041	2138		
4.20	Length to face of forks, without platform	l_2	mm	891	988		
4.33	Aisle width for pallets 1000x1200 crossways	A_{st}	mm	2517	2615		
4.34	Aisle width for pallets 800x1200 lengthways	A_{st}	mm	2396	2494		
4.35	Turning radius	W_a	mm	1600	1698		
6.4	Battery voltage, nominal capacity K_3		V/Ah	24/300	24/500		
6.5	Battery weight, min. - max.		kg	195 - 310	345 - 405		

Mast dimensions

Mast			Duplex Tele Panoramic View						Duplex Hi-Lo						Triplex Hi-Lo					
SWE140S	h_{23}	Lift height ($h_{13} + h_3$)	mm	2300	2750	3250	3650	4100	2300	2450	2750	3250	3650	4100	3650	3900	4100	4450	4750	5350
	h_3	Lift	mm	2210	2660	3160	3560	4010	2210	2360	2660	3160	3560	4010	3560	3810	4010	4360	4660	5260
	h_1	Height, mast lowered	mm	1737	1962	2212	2412	2637	1736	1811	1961	2211	2411	2636	1796	1879	1946	2062	2162	2362
	h_2	Free lift, ground to top of forks	mm	—	—	—	—	—	1256	1332	1482	1732	1932	2156	1328	1410	1478	1594	1694	1894
	h_4	Height, mast extended	mm	2892	3342	3842	4242	4692	2891	3041	3341	3841	4241	4691	4218	4467	4668	5016	5316	5916

