

# SWE120L/140L

Specifications					SWE120L	SWE140L
Identification	1.1	Manufacturer			Toyota	Toyota
	1.2	Model			SWE120L	SWE140L
	1.3	Drive			Electric	Electric
	1.4	Operator type			Pedestrian	Pedestrian
	1.5	Load capacity/rated load	Q	kg	1200	1400
		Support arm capacity	Q	kg	1600	2000
	1.6	Load centre	c	mm	600	600
	1.8	Load distance, centre of support arm wheel to face of forks (support arms raised/lowered)	x	mm	672/731	672/731
	1.9	Wheelbase (support arms raised/lowered)	y	mm	1243/1302	1243/1302
Weight	2.1	Service weight including battery		kg	907	942
	2.2	Axle load, with load, drive/castor/support arm wheel		kg	450/340/1345	450/360/1525
	2.3	Axle load, without load, drive/castor/support arm wheel		kg	450/220/265	450/220/265
Wheels	3.1	Drive/castor/fork wheel			Polyurethane	Polyurethane
	3.2	Wheel size, front		mm	Ø 230x70	Ø 230x70
	3.3	Wheel size, rear		mm	Ø 85x74	Ø 85x74
	3.4	Additional wheels (dimensions)		mm	Ø 125x50	Ø 125x50
	3.5	Wheels, number front/rear (x = driven wheels)			1x+2/4	1x+2/4
	3.6	Track width, front	b <sub>10</sub>	mm	550	550
	3.7	Track width, rear	b <sub>11</sub>	mm	390	390
Dimensions	4.2	Height, mast lowered	h <sub>1</sub>	mm	2135 *	2160 *
	4.3	Free lift	h <sub>2</sub>	mm	166 *	166 *
	4.4	Lift	h <sub>3</sub>	mm	3210 *	3165 *
		Lift height	h <sub>23</sub>	mm	3300 *	3255 *
	4.5	Height, mast extended	h <sub>4</sub>	mm	3720 *	3725 *
	4.6	Initial lift	h <sub>5</sub>	mm	120	120
	4.9	Height of tiller in drive position without platform, min./max.	h <sub>14</sub>	mm	150	150
		Height of tiller in drive position with platform, min./max.	h <sub>14</sub>	mm	865/1235	865/1235
	4.15	Height, fork lowered	h <sub>13</sub>	mm	90	90
	4.19	Overall length	l <sub>1</sub>	mm	1910	1910
	4.20	Length to face of forks	l <sub>2</sub>	mm	753	761
	4.21	Overall width	b <sub>1</sub>	mm	770	770 *
	4.22	Fork dimensions	s/e/l	mm	60/180/1150 *	70/180/1150 *
	4.24	Fork-carriage width	b <sub>3</sub>	mm	674	674
	4.25	Width over forks	b <sub>5</sub>	mm	570 *	570 *
	4.31	Ground clearance, with load, below mast	m <sub>1</sub>	mm	22	22
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	22	22
4.34.1	Aisle width for pallets 1000x1200 crossways	A <sub>st</sub>	mm	2277	2277	
4.34.2	Aisle width for pallets 800x1200 lengthways	A <sub>st</sub>	mm	2255	2255	
4.35	Turning radius, support arms raised	W <sub>a</sub>	mm	1393	1393	
Performance data	5.1	Travel speed, with/without load		km/h	6/6	6/6
	5.2	Lift speed, with/without load		m/s	0,12/0,27	0,11/0,27
	5.3	Lowering speed, with/without load		m/s	0,38/0,32	0,37/0,32
	5.8	Max. gradeability, with/without load		%	9/12 <sup>1)</sup>	8/12 <sup>1)</sup>
	5.10	Service brake			Electromagnetic	Electromagnetic
Electric motor	6.1	Drive motor rating S2 60 min		kW	1,5	1,5
	6.2	Lift motor rating at S3 15%		kW	2,2 <sup>2)</sup>	2,2 <sup>2)</sup>
	6.4	Battery voltage/nominal capacity K <sub>s</sub>		V/Ah	24/225 *	24/225 *
	6.5	Battery weight		kg	192 <sup>1)</sup>	192 <sup>1)</sup>
	6.6	Energy consumption acc. to VDI cycle		kWh/h	0,79	0,94
		Energy consumption acc. to EN16796:2016		kWh/h	0,6	0,71
	6.7	Turnover output		t/h	52,8	61,9
	6.8	Energy consumption at turnover output		kWh/h	1,07	1,39
Other	8.1	Type of drive control			Variable AC	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> = 3300 mm (SWE120L) and 3255 mm (SWE140L) Duplex Tele Panoramic View mast.

## Battery dependent dimensions

Dimensions		Battery change		SWE120L			SWE140L		
				Lift out		Sideways	Lift out		Sideways
		Compartment	Medium	Large	Large	Medium	Large	Large	
1.9	Wheelbase, support arms raised/lowered	y	mm	1243/1302	1293/1332	1293/1332	1243/1302	1293/1332	1293/1332
4.19	Overall length	I <sub>1</sub>	mm	1910	1960	1960	1910	1960	1960
	without platform		mm	1995/2385	2045/2435	2045/2435	1995/2385	2045/2435	2045/2435
4.20	Length to face of forks	I <sub>2</sub>	mm	760	810	810	760	810	810
	without platform		mm	845/1235	895/1285	895/1285	845/1235	895/1285	895/1285
4.34.1	Aisle width for pallets 1000x1200 crossways	A <sub>st</sub>	mm	2277	2327	2350	2300	2350	2350
	without platform		mm	2362/2762	2412/2812	2435/2835	2385/2785	2435/2835	2435/2835
4.34.2	Aisle width for pallets 800x1200 lengthways	A <sub>st</sub>	mm	2255	2305	2305	2255	2305	2305
	without platform		mm	2340/2740	2390/2790	2390/2790	2340/2740	2390/2790	2390/2790
4.35	Turning radius, forks raised	W <sub>b</sub>	mm	1393	1443	1443	1393	1443	1443
	without platform		mm	1478/1878	1528/1928	1528/1928	1478/1878	1528/1928	1528/1928
6.4	Battery voltage, nominal capacity, Lead-Acid	K <sub>s</sub>	V/Ah	24/225	24/300	24/260	24/225	24/300	24/260
	Battery voltage, nominal capacity, Li-Ion		V/Ah	24/105	24/210	-	24/105	24/210	-
6.5	Battery weight, nominal		kg	192	248	221	192	248	221
	Battery weight, min. - max.		kg	185 - 250	230 - 285	209 - 250	185 - 250	230 - 285	209 - 250

## Mast dimensions

SWE120L			Simplex		Duplex Tele				Dupl. Tele Panor. View					Duplex Hi-Lo					Triplex Hi-Lo				
h <sub>23</sub>	Lift height (h <sub>13</sub> +h <sub>3</sub> )	mm	1400	1700	2700	2900	3300	3700	4150	2700	2900	3300	3700	4150	2700	2900	3300	3700	4150	3300	3700	4150	4500
h <sub>3</sub>	Lift	mm	1310	1610	2610	2810	3210	3610	4060	2610	2810	3210	3610	4060	2610	2810	3210	3610	4060	3210	3610	4060	4410
h <sub>1</sub>	Height, mast lowered	mm	1825	2125	1840	1940	2140	2340	2565	1835	1935	2135	2335	2560	1835	1935	2135	2335	2560	1695	1829	1979	2095
h <sub>2</sub>	Free lift, ground to top of forks	mm	1400	1700	166	166	166	166	166	166	166	166	166	166	1420	1520	1720	1920	2144	1270	1404	1554	1670
h <sub>4</sub>	Height, mast extended	mm	1825	2125	3125	3325	3725	4125	4575	3120	3320	3720	4120	4570	3141	3341	3741	4141	4591	3747	4149	4599	4947

SWE140L			Duplex Tele Panoramic View					Duplex Hi-Lo					Triplex Hi-Lo				
h <sub>23</sub>	Lift height (h <sub>13</sub> +h <sub>3</sub> )	mm	2655	2855	3255	3655	4105	2655	2855	3255	3655	4105	3255	3655	4105	4455	4755
h <sub>3</sub>	Lift	mm	2565	2765	3165	3565	4015	2565	2765	3165	3565	4015	3165	3565	4015	4365	4665
h <sub>1</sub>	Height, mast lowered	mm	1860	1960	2160	2360	2585	1835	1935	2135	2335	2560	1695	1829	1979	2095	2195
h <sub>2</sub>	Free lift, ground to top of forks	mm	166	166	166	166	166	1374	1474	1674	1874	2099	1224	1358	1508	1624	1724
h <sub>4</sub>	Height, mast extended	mm	3125	3325	3725	4125	4575	3141	3341	3741	4141	4591	3747	4149	4599	4947	5247

