Pedestrian stacker truck 1.2 - 1.4 ton

BT staxio

W-series

SWE120L

SWE140L

TOYOTA

MATERIAL HANDLING

www.toyota-forklifts.eu

Pedestrian stacker with elevating support arms

Specification for stacker trucks					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	
	3.2	Wheel size, front		mm	Ø230x70	Ø230x70
	3.3	Wheel size, rear		mm	Ø85x74	Ø85x74
	3.4	Additional wheels (dimensions)		mm	Ø125x50	Ø125x50
	3.5	Wheels, number front/rear (x=driven wheels)			1x+2/4	1x+2/4
	3.6	Track width, front	b_{10}	mm	550	550
	3.7	Track width, rear	b_{11}	mm	390	390
Dimensions	4.2	Height, mast lowered	h_1	mm	2143 *)	2168 *)
	4.3	Free lift	h_2	mm	76 *)	76 *)
	4.4	Lift	h_3	mm	3210 *)	3165 *)
		Lift height	h_{23}	mm	3300 *)	3255 *)
	4.5	Height, mast extended	h_4	mm	3720 *)	3725 *)
	4.6	Initial lift	h_5	mm	120	120
	4.9	Height of tiller in drive position without platform, min./max.	h_{14}	mm	150	150
		Height of tiller in drive position with platform, min./max.	h_{14}	mm	865/1235	865/1235
	4.15	Height, fork lowered	h_{13}	mm	90	90
	4.19	Overall length	l_1	mm	1910	1910
	4.20	Length to face of forks	l_2	mm	760	760
	4.21	Overall width	b_1	mm	770	770 *)
	4.22	Fork dimensions	s/e/l	mm	60/180/1150 *)	70/180/1150 *)
	4.24	Fork-carriage width	b_3	mm	674	674
	4.25	Width over forks	b_5	mm	570 *)	570 *)
	4.31	Ground clearance, with load, below mast	m_1	mm	22	22
	4.32	Ground clearance, centre of wheelbase	m_2	mm	22	22
	4.34.1	Aisle width for pallets 1000x1200 crossways	A_{st}	mm	2277	2277
	4.34.2	Aisle width for pallets 800x1200 lengthways	A_{st}	mm	2255	2255
	4.35	Turning radius, support arms raised	W_a	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 1)	8/12 1)
	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 2)	2.2 2)
	6.4	Battery voltage/nominal capacity K_5		V/Ah	24/225 *)	24/225 *)
	6.5	Battery weight		kg	192 *)	192 *)
	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
Others	8.1	Type of drive control			Variable AC	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: Medium battery compartment,
h_{23} = 3300 mm (SWE120L) and 3255 mm (SWE140L) Duplex Tele Panoramic View mast.

All data are based on table configuration. Other configurations may give other values.
Truck performance and dimensions are nominal and subject to tolerances.
Toyota Material Handling products and specifications are subject to change without notice.

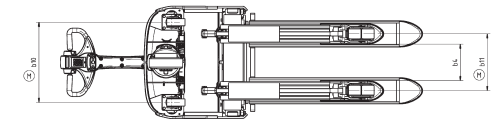
Battery dependent dimensions

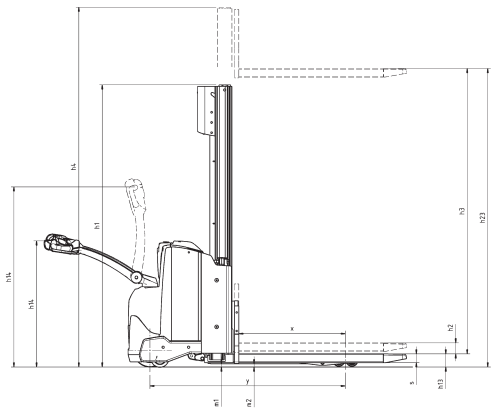
Dimensions		Battery change		SWE120L			SWE140L		
				Lift out		Sideways	Lift out		Sideways
		Compartment		Medium	Large	Large	Medium	Large	Large
1.9	Wheelbase, support arms raised/lowered	y	mm	1243/1302	1293/1332	1293/1332	1243/1302	1293/1332	1293/1332
	Overall length								
4.19	without platform	l_1	mm	1910	1960	1960	1910	1960	1960
	with platform up/down		mm	1995/2385	2045/2435	2045/2435	1995/2385	2045/2435	2045/2435
	Length to face of forks								
4.20	without platform	l_2	mm	760	810	810	760	810	810
	with platform up/down		mm	845/1235	895/1285	895/1285	845/1235	895/1285	895/1285
	Aisle width for pallets 1000x1200 crossways								
4.34.1	without platform	A_{st}	mm	2277	2327	2350	2300	2350	2350
	with platform up/down		mm	2362/2762	2412/2812	2435/2835	2385/2785	2435/2835	2435/2835
	Aisle width for pallets 800x1200 lengthways								
4.34.2	without platform	A_{st}	mm	2255	2305	2305	2255	2305	2305
	with platform up/down		mm	2340/2740	2390/2790	2390/2790	2340/2740	2390/2790	2390/2790
	Turning radius, forks raised								
4.35	without platform	W_a	mm	1393	1443	1443	1393	1443	1443
	with platform up/down		mm	1478/1878	1528/1928	1528/1928	1478/1878	1528/1928	1528/1928
6.4	Battery voltage, nominal capacity, Lead-Acid	K_5	V/Ah	24/225	24/300	24/260	24/225	24/300	24/260
	Battery voltage, nominal capacity, Li-Ion	K_5	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

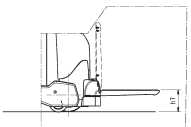
Mast dimensions

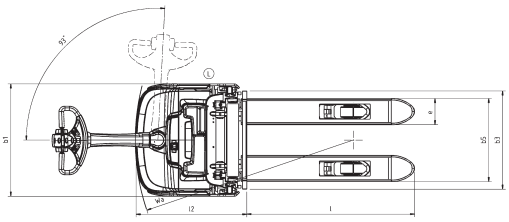
SWE120L			Simplex		Duplex Tele					Dupl. Tele Panoram. View					Duplex HiLo					Triplex HiLo				
h_{23}	Lift height (h_{13}+h_3)	mm	1400	1700	2700	2900	3300	3700	4150	2700	2900	3300	3700	4150	2700	2900	3300	3700	4150	3300	3700	4150	4500
h_3	Lift	mm	1310	1610	2610	2810	3210	3610	4060	2610	2810	3210	3610	4060	2610	2810	3210	3610	4060	3210	3610	4060	4410
h_1	Height, mast lowered	mm	1825	2125	1843	1943	2143	2343	2568	1843	1943	2143	2343	2568	1843	1943	2143	2343	2568	1720	1854	2004	2120
h_2	Free lift, ground to top of forks	mm	1400	1700	76	76	76	76	76	76	76	76	76	76	1330	1430	1630	1830	2054	1180	1314	1464	1580
h_4	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

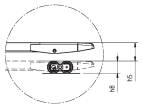
SWE140L			Duplex Tele Panoramic View					Duplex HiLo					Triplex HiLo				
h_{23}	Lift height (h_{13}+h_3)	mm	2655	2855	3255	3655	4105	2655	2855	3255	3655	4105	3255	3655	4105	4455	4755
h_3	Lift	mm	2565	2765	3165	3565	4015	2565	2765	3165	3565	4015	3165	3565	4015	4365	4665
h_1	Height, mast lowered	mm	1868	1968	2168	2368	2593	1843	1943	2143	2343	2568	1720	1854	2004	2120	2220
h_2	Free lift, ground to top of forks	mm	76	76	76	76	76	1284	1384	1584	1784	2009	1134	1268	1418	1534	1634
h_4	Height, mast extended	mm	3125	3325	3725	4125	4575	3141	3341	3741	4141	4591	3747	4149	4599	4947	5247











Truck features:

- 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)

TMHE-Toyota Material Handling Europe — 746897-040, version 8, 2021-05-27

TOYOTA

MATERIAL HANDLING