

# Pedestrian stacker truck 1.4 ton



## BT staxio

*W-series*

SWE140S



# Pedestrian stacker straddle version

Specification for stacker trucks					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
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 <sub>10</sub>	mm		585
	3.7	Track width, rear	b <sub>11</sub>	mm		985*
Dimensions	4.2	Height, mast lowered	h <sub>1</sub>	mm		1955
	4.3	Free lift	h <sub>2</sub>	mm		1478
	4.4	Lift	h <sub>3</sub>	mm		4050
		Lift height	h <sub>23</sub>	mm		4100
	4.5	Height, mast extended	h <sub>4</sub>	mm		4668
	4.9	Height of tiller in drive position, min./max. pedestrian	h <sub>14</sub>	mm		869/1294
	4.10	Height of support arm	h <sub>10</sub>	mm		140 or 93
	4.15	Height, fork lowered	h <sub>13</sub>	mm		50
	4.19	Overall length	l <sub>1</sub>	mm		2041
	4.20	Length to face of forks, without platform	l <sub>2</sub>	mm		891
	4.21	Overall width	b <sub>1</sub> / b <sub>2</sub>	mm		790/1172*
	4.22	Fork dimensions	s/e/l	mm		40/100/1150
	4.25	Width over forks	b <sub>5</sub>	mm		250-890
	4.26	Distance between support arms	b <sub>4</sub>	mm		900-1300
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub>	mm		40/32,5
4.33	Aisle width for pallets 1000x1200 crossways	A <sub>st</sub>	mm		2517	
4.34	Aisle width for pallets 800x1200 lengthways	A <sub>st</sub>	mm		2396	
4.35	Turning radius	W <sub>a</sub>	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 <sup>1)</sup>			%	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 <sub>5</sub>			V/Ah	24/300
	6.5	Battery weight			kg	195-270
	6.6	Energy consumption acc to VDI cycle			kWh/h	1,078
	Others	8.1	Type of drive control			
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.

All data are based on table configuration. Other configurations may give other values.

Truck performance and dimensions are nominal and subject to tolerances.

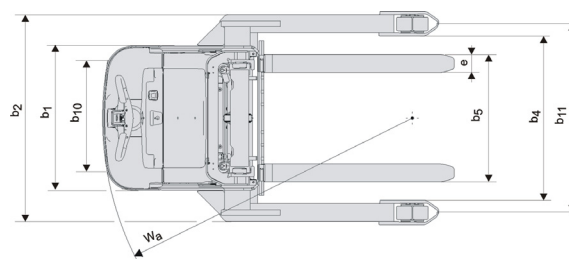
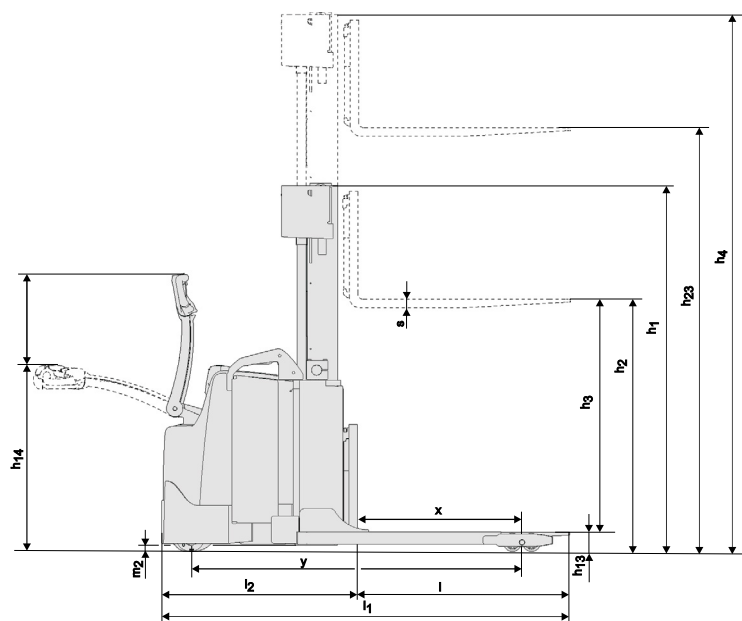
Toyota Material Handling products and specifications are subject to change without notice.

# Battery dependent dimensions

Dimensions				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	$l_2$	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 $K_5$		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 HiLo					Triplex HiLo						
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	2250	2700	3200	3600	3050	2250	2400	2700	3200	3600	4050	3600	3850	4050	4400	4700	5300
	$h_1$	Height, mast lowered	mm	1744	1969	2219	2419	2644	1744	1819	1969	2219	2419	2644	1805	1888	1955	2071	2171	2371
	$h_2$	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



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## Truck features:

- BT Powertrak traction system
- Optimized Truck Performance
- Fingertip controls
- Electronic braking system
- Electronic speed control
- Operator safety
- Storage compartments
- Automatic switch-off
- Programmable performance
- Easy access for maintenance
- Sensilift
- Toyota I\_site: truck fleet management system (option)
- Hydraulic oil for low temperatures (option)

