Pedestrian stacker truck 1.4 ton

BT staxio

P-series

SPE140S













TOYOTA

MATERIAL HANDLING

www.toyota-forklifts.eu

Pedestrian stacker straddle version

Specification for stacker trucks					SPE140S
Identification	1.1	Manufacturer			BT
	1.2	Model			SPE140S
	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	1454
Weight	2.1	Service weight including battery		kg	1539
	2.2	Axle load, with load, drive/support arm wheel		kg	550/610/1779
	2.3	Axle load, without load, drive/support arm wheel		kg	330/687/722
Wheels	3.1	Drive/support arm wheel			Vulkollan®/Polyurethane/Vulkollan®
	3.2	Wheel size, front		mm	Ø 140
	3.3	Wheel size, rear		mm	Ø 230
	3.4	Additional wheel size		mm	Ø 125
	3.5	Wheels, number front/rear (x=driven wheels)			1x + 2 / 2
	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	1666
	4.4	Lift	h_3	mm	4060
		Lift height	h_{23}	mm	4150
	4.5	Height, mast extended	h_4	mm	5056
	4.8	Stand height (optional platform)	h_7	mm	190
	4.9	Height of tiller arm in drive position, min./max.			
		highest setting	h_{14}	mm	1201/1413
		lowest setting	h_{14}	mm	1101/1313
	4.15	Height, fork lowered	h_{13}	mm	85
	4.19	Overall length			
		without platform/platform up	l_1	mm	2115
		platform down	l_1	mm	2548
	4.20	Length to face of forks			
		without platform/platform up	l_2	mm	965
		platform down	l_2	mm	1398
	4.21	Overall width	b_1/ b_2	mm	790/1172*
	4.22	Fork dimensions	s/e/l	mm	78/180/1150
	4.25	Width over forks	b_5	mm	550
	4.26	Distance between support arms	b_4	mm	900*
	4.32	Ground clearance, centre of wheelbase	m_2	mm	38
	4.33	Aisle width for pallets 1000x1200 crossways			
		without platform/platform up	A_{st}	mm	2594
		platform down	A_{st}	mm	3044
	4.34	Aisle width for pallets 800x1200 lengthways			
		without platform/platform up	A_{st}	mm	2473
		platform down	A_{st}	mm	2923
	4.35	Turning radius			
		without platform/platform up	W_a	mm	1677
		platform down	W_a	mm	2127
Performance data	5.1	Travel speed, with/without load			
		6 km/h version		km/h	6,0/6,0
		8 km/h version		km/h	7,5/8,0
	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
	5.10	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 K5		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			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.

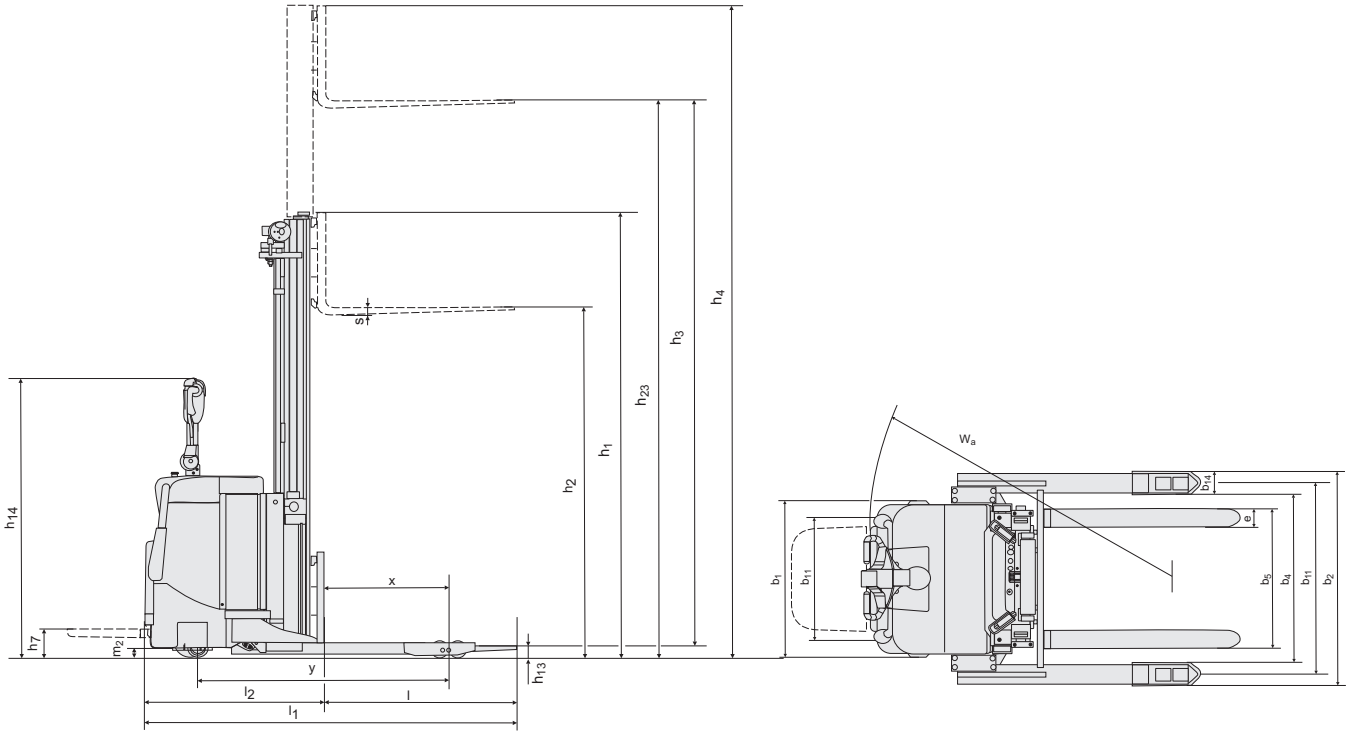
All data are based on table configuration. Other configurations may give other values. Truck performance and dimensions are nominal and subject to tolerances. BT products and specifications are subject to change without notice.

Battery dependent dimensions

Dimensions		Battery		SPE140S		SPE140S with backrest	
				Lift out		Lift out	
				S	L	S	L
1.9	Wheelbase	y	mm	1454	1551	1454	1551
4.19	Overall length						
	without platform/platform up	l_1	mm	2115	2212	—	—
	platform down	l_1	mm	2548	2645	2562	2659
4.20	Length to face of forks						
	without platform/platform up	l_2	mm	965	1062	—	—
	platform down	l_2	mm	1398	1495	1412	1509
4.33	Aisle width for pallets 1000x1200 crossways						
	without platform/platform up	A_{st}	mm	2594	2691	—	—
	platform down	A_{st}	mm	3044	3141	3219	3316
4.34	Aisle width for pallets 800x1200 lengthways						
	without platform/platform up	A_{st}	mm	2473	2570	—	—
	platform down	A_{st}	mm	2923	3020	3098	3195
4.35	Turning radius						
	without platform/platform up	W_a	mm	1677	1774	—	—
	platform down	W_a	mm	2127	2224	2302	2399
6.4	Battery voltage, nominal capacity K_5		V/Ah	24/300	24/500	24/300	24/500
6.5	Battery weight, min.—max.		kg	195-270	345-403	195-270	345-403

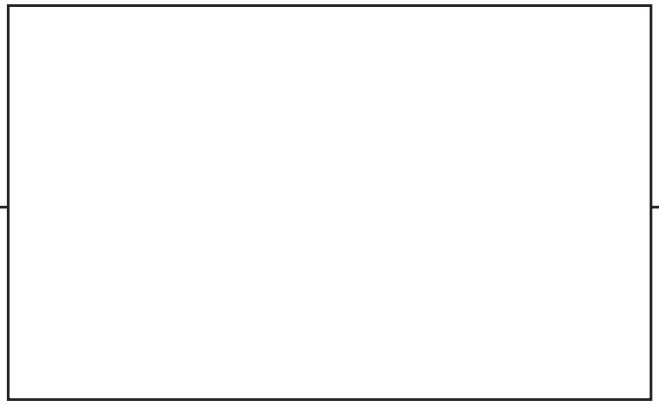
Mast dimensions

Mast				Duplex Tele Panoramic View					Duplex HiLo						Triplex HiLo					
SPE140S	h_{23}	Lift height (h_{13}+h_3)	mm	2350	2800	3300	3700	4150	2350	2500	2800	3300	3700	4150	3700	3950	4150	4500	4800	5400
	h_3	Lift	mm	2260	2710	3210	3610	4060	2260	2410	2710	3210	3610	4060	3610	3860	4060	4410	4710	5310
	h_1	Height, mast lowered	mm	1652	1877	2127	2327	2552	1652	1727	1877	2127	2327	2552	1796	1879	1946	2062	2162	2362
	h_2	Free lift, ground to top of forks	mm	—	—	—	—	—	1354	1430	1580	1830	2030	2254	1516	1598	1666	1782	1882	2082
	h_4	Height, mast extended	mm	2892	3342	3842	4242	4692	2891	3041	3341	3841	4241	4691	4218	4467	4668	5016	5316	5916



Truck features:

- BT Powertrak traction system
- Optimised 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)



TP-Technical Publications, Sweden — 746918-040, version 1, 1509

TOYOTA INDUSTRIAL EQUIPMENT

TOYOTA MATERIAL HANDLING IN EUROPE, MANAGING THE TOYOTA AND BT MATERIALS HANDLING BRANDS IN EUROPE

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