Pedestrian stacker truck 1.25 - 1.6 ton



BT staxio

P-series

SPE125L

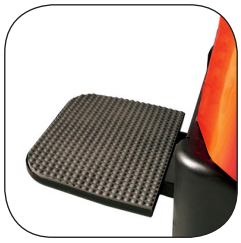
SPE160L











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MATERIAL HANDLING

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Pedestrian stacker

Specification for stacker trucks					SPE125L	SPE160L
Identification	1.1	Manufacturer			BT	BT
	1.2	Model			SPE125L	SPE160L
	1.3	Drive			Electric	Electric
	1.4	Operator type			Pedestrian	Pedestrian
	1.5	Load capacity/rated load	Q	kg	1250	1600
		Support arm capacity	Q	kg	1600	2000
	1.6	Load centre	c	mm	600	600
	1.8	Load distance, back of fork to bogie wheel centre	x	mm	772	725
	1.9	Wheelbase	y	mm	1421	1421
Weight	2.1	Service weight without battery		kg	980	1060
	2.2	Axle load, with load, drive/castor/support arm wheel		kg	530/650/1440	620/630/1830
	2.3	Axle load, without load, drive/castor/support arm wheel		kg	390/620/360	390/660/430
Wheels	3.1	Drive/castor/fork wheel			Powerfriction/Vulkollan/Vulkollan	
	3.2	Wheel size, front		mm	Ø 215	Ø 215
	3.3	Wheel size, rear		mm	Ø 125x50	Ø 125x50
	3.4	Additional wheels (dimensions)		mm	Ø 85x75	Ø 85x75
	3.5	Wheels, number front/rear (x=driven wheels)			1x+2/2	1x+2/4
Dimensions	4.2	Height, mast lowered	h_1	mm	1710	1745
	4.3	Free lift	h_2	mm	1240	1240
	4.4	Lift	h_3	mm	2260	2260
		Lift height	h_{23}	mm	2350	2350
	4.5	Height, mast extended	h_4	mm	2870	2900
	4.6	Initial lift	h_5	mm	113	113
	4.8	Stand height (optional platform)	h_7	mm	150	150
	4.9	Height of tiller in drive position, min./max.	h_{14}	mm	1435	1435
	4.15	Height, fork lowered	h_{13}	mm	90	90
	4.19	Overall length	l_1	mm	2027	2068
	4.20	Length to face of forks	l_2	mm	877	918
	4.21	Overall width	b_1	mm	790	790
	4.22	Fork dimensions	s/e/l	mm	65/180/1150	70/180/1150
	4.25	Width over forks	b_5	mm	570	570
	4.31	Ground clearance, with load, below mast	m_1	mm	50	50
	4.32	Ground clearance, centre of wheelbase	m_2	mm	50	50
	4.33	Aisle width for pallets 1000x1200 crossways	A_{st}	mm	2293	2341
	4.35	Turning radius	W_a	mm	1666	1714
Performance data	5.1	Travel speed, with/without load		km/h	7,0/8,0	7,0/8,0
	5.2	Lift speed, with/without load		m/s	0,17/0,33	0,12/0,24
	5.3	Lowering speed, with/without load		m/s	0,51/0,49	0,35/0,34
	5.8	Max. gradeability, with/without load [1)]		%	12/10	12/10
	5.10	Service brake			Electromagnetic	Electromagnetic
Electric motor	6.1	Drive motor rating S2 60 min		kW	1,7	1,7
	6.2	Lift motor rating at S3 11%		kW	3,0	3,0
	6.4	Battery voltage/nominal capacity K_5		V/Ah	24/255-425	24/255-425
	6.5	Battery weight min./max.		kg	200-250/300-370	200-250/300-370
Others	8.1	Type of drive control			BT Powerdrive	BT Powerdrive

[1)] Measured according to company standard

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

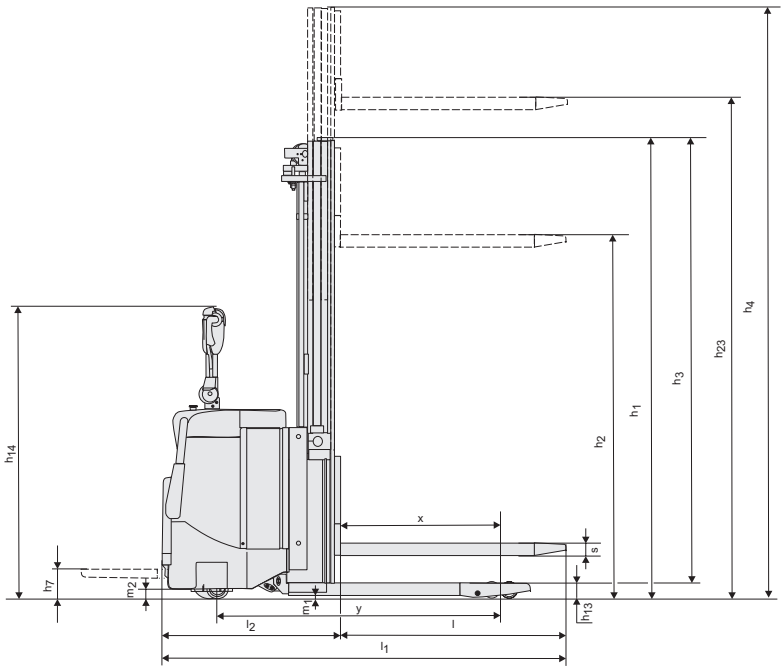
BT staxio

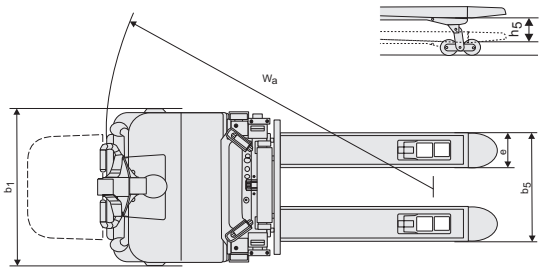
Dimensions				SPE125L	SPE160L
1.9	Wheelbase	y	mm	1440	1440
	Length to face of forks				
4.20	without platform	l_2	mm	877	918
	with platform up/down	l_2	mm	901/1328	948/1375
	Aisle width for pallets 800x1200 lengthways				
4.34	without platform	A_{st}	mm	2293	2341
	with platform up/down	A_{st}	mm	2323/2725	2371/2773
	Turning radius				
4.35	without platform	W_a	mm	1666	1714
	with platform up/down	W_a	mm	1696/2123	1744/2171
6.4	Battery voltage, nominal capacity K_5		V/Ah	24/180-440	24/180-440
6.5	Battery weight, min.—max.		kg	200-250/300-370	200-250/300-370

Mast dimensions

SPE125L			Duplex Tele			Duplex HiLo					Triplex HiLo					
h_{23}	Lift height (h_{13}+h_3)	mm	2350	2800	3350	2350	2900	3350	3750	4150	3350	3750	4150	4500	4800	5400
h_3	Lift	mm	2260	2710	3260	2260	2810	3260	3660	4060	3260	3660	4060	4410	4710	5310
h_1	Height, mast lowered	mm	1710	1935	2210	1710	1985	2210	2420	2620	1680	1815	1950	2065	2165	2365
h_2	Free lift, ground to top of forks	mm	—	—	—	1240	1515	1740	1940	2140	1205	1340	1475	1590	1690	1890
h_4	Height, mast extended	mm	2870	3320	3870	2870	3420	3870	4280	4680	3875	4275	4675	5025	5325	5925

SPE160L			Duplex Tele					Duplex HiLo					Triplex HiLo					
h_{23}	Lift height (h_{13}+h_3)	mm	2350	2900	3350	3750	4150	2350	2900	3350	3750	4150	3350	3750	4150	4400	4800	5400
h_3	Lift	mm	2260	2810	3260	3660	4060	2260	2810	3260	3660	4060	3260	3660	4060	4310	4710	5310
h_1	Height, mast lowered	mm	1745	2020	2245	2445	2645	1745	2020	2245	2445	2645	1740	1875	2010	2075	2205	2405
h_2	Free lift, ground to top of forks	mm	—	—	—	—	—	1240	1515	1740	1940	2140	1114	1248	1382	1465	1598	1798
h_4	Height, mast extended	mm	2900	3450	3900	4300	4700	2900	3450	3900	4300	4700	4005	4405	4805	5055	5455	6055





Truck features:

- BT Powerdrive System
- Fingertip controls
- Electronic braking system
- Electronic speed control
- Operator safety
- Storage compartments
- Automatic switch-off
- Programmable performance
- Easy access for maintenance
- Sensilift (option)
- Flip-up operator platform (option)
- Toyota I_site: truck fleet management system (option)
- Hydraulic oil for low temperatures (option)

TP-Technical Publications, Sweden — 746887-040, version 3, 1202

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