

Pedestrian stacker truck 1.25 - 1.6 ton



BT staxio

P-series

SPE125

SPE160



Pedestrian stacker

Specification for stacker trucks					SPE125	SPE160
Identification	1.1	Manufacturer			BT	BT
	1.2	Model			SPE125	SPE160
	1.3	Drive			Electric	Electric
	1.4	Operator type			Pedestrian	Pedestrian
	1.5	Load capacity/rated load	Q	kg	1250	1600
	1.6	Load centre	c	mm	600	600
	1.8	Load distance, back of fork to bogie wheel centre	x	mm	833	786
	1.9	Wheelbase	y	mm	1440	1440
Weight	2.1	Service weight without battery		kg	980	1060
	2.2	Axle load, with load, drive/castor/support arm wheel		kg	530/630/1420	620/610/1810
	2.3	Axle load, without load, drive/castor/support arm wheel		kg	390/600/340	390/640/410
Wheels	3.1	Drive/castor/fork wheel			Powerfriction/Vulkokilan/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+2/2
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
	4.8	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	1980	2027
	4.20	Length to face of forks	l_2	mm	830	877
	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	24	24
	4.32	Ground clearance, centre of wheelbase	m_2	mm	24	24
Performance data	4.33	Aisle width for pallets 1000x1200 crossways	A_{st}	mm	2253	2253
	4.35	Turning radius	W_a	mm	1686	1686
	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
Electric motor	5.8	Max. gradeability, with/without load ¹⁾		%	12/10	12/10
	5.10	Service brake			Electromagnetic	Electromagnetic
	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
Others	6.5	Battery weight min./max.		kg	200–250/300-370	200–250/300-370
	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

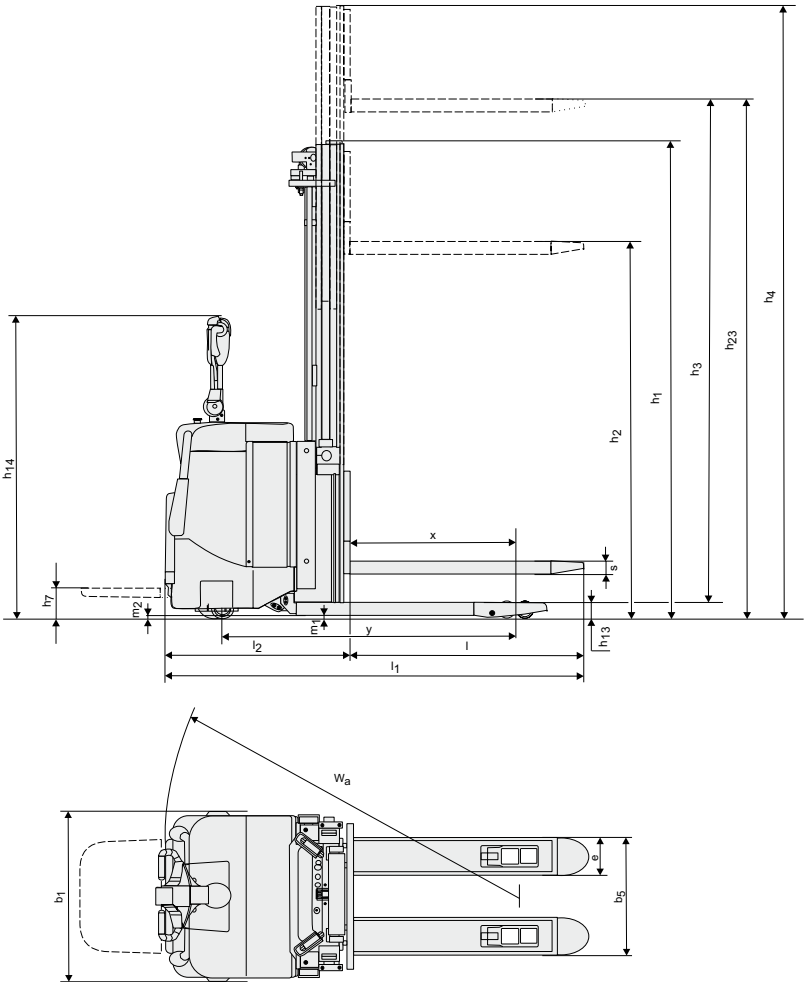
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Dimensions				SPE125	SPE160
1.9	Wheelbase	y	mm	1440	1440
4.20	Length to face of forks				
	without platform	l_2	mm	830	877
	with platform up/down	l_2	mm	860/1287	907/1334
4.34	Aisle width for pallets 800x1200 lengthways				
	without platform	A_{st}	mm	2253	2253
	with platform up/down	A_{st}	mm	2283/2685	2283/2685
4.35	Turning radius				
	without platform	W_a	mm	1686	1686
	with platform up/down	W_a	mm	1716/2143	1716/2143
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

SPE125			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

SPE160			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
h_3	Lift	mm	2260	2810	3260	3660	4060	2260	2810	3260	3660	4060	3260	3660	4060	4310	4710
h_1	Height, mast lowered	mm	1745	2020	2245	2445	2645	1745	2020	2245	2445	2645	1740	1875	2010	2075	2205
h_2	Free lift, ground to top of forks	mm	—	—	—	—	—	1240	1515	1740	1940	2140	1114	1248	1382	1465	1598
h_4	Height, mast extended	mm	2900	3450	3900	4300	4700	2900	3450	3900	4300	4700	4005	4405	4805	5055	5455



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)

