

Pedestrian stacker truck 1.2- 2.0 ton



BT staxio

P-series

SPE120L

SPE140L

SPE160L

SPE200L



Pedestrian stacker with elevating support arms

Specifications				SPE120L	SPE140L	SPE160L	SPE200L	
Identification	1.1	Manufacturer		Toyota	Toyota	Toyota	Toyota	
	1.2	Model		SPE120L	SPE140L	SPE160L	SPE200L	
	1.3	Drive		Electric	Electric	Electric	Electric	
	1.4	Operator type		Stand on/pedestrian	Stand on/pedestrian	Stand on/pedestrian	Stand on/pedestrian	
	1.5	Load capacity/rated load	Q	kg	1200	1400	1600	2000
		Support arm capacity	Q	kg	2000	2000	2000	2000
	1.6	Load center	c	mm	600	600	600	600
	1.8	Load distance, centre of support arm wheel to face of forks						
		raised support arms	x	mm	694	661	661	644
	lowered support arms	x	mm	725	692	692	675	
1.9	Wheelbase							
	raised support arms	y	mm	1408	1408	1408	1408	
	lowered support arms	y	mm	1439	1439	1439	1439	
Weight	2.1	Service weight incl. battery		kg	1349	1489	1489	1691
	2.2	Axle load, with load, drive/castor/fork wheel		kg	680/249/1620	820/143/1926	870/94/2125	680/384/2627
	2.3	Axle load, without load, drive/castor/fork wheel		kg	400/496/453	510/450/529	510/529/450	400/676/615
Wheels	3.1	Drive/castor/fork wheel			Polyurethane			
	3.2	Wheel size, front		mm	Ø 230	Ø 230	Ø 230	Ø 230
	3.3	Wheel size, rear		mm	Ø 85	Ø 85	Ø 85	Ø 85
	3.4	Additional wheel size		mm	Ø 125	Ø 125	Ø 125	Ø 125
	3.5	Wheels, number front/rear (x = driven wheels)			1x+2/2 or 4	1x+2/2 or 4	1x+2/2 or 4	1x+2/2 or 4
	3.6	Track width, front	b ₁₀	mm	585	585	585	585
3.7	Track width, rear	b ₁₁	mm	390	390	390	390	
Dimensions	4.2	Height, mast lowered	h ₁	mm	2020 *)	1955 *)	1955 *)	1955 *)
	4.3	Free lift	h ₂	mm	1556 *)	1478 *)	1478 *)	1378 *)
	4.4	Lift	h ₃	mm	4060 *)	4060 *)	4060 *)	3960 *)
		Lift height	h ₂₃	mm	4150 *)	4150 *)	4150 *)	4050 *)
	4.5	Height, mast extended	h ₄	mm	4657 *)	4668 *)	4668 *)	4668 *)
	4.6	Initial Lift	h ₅	mm	120	120	120	120
	4.8	Stand height	h ₇	mm	190	190	190	190
	4.9	Height of tiller in drive position, min./max.						
		highest setting	h ₁₄	mm	1201/1413	1201/1413	1201/1413	1201/1413
		lowest setting	h ₁₄	mm	1101/1313	1101/1313	1101/1313	1101/1313
	4.15	Height, fork lowered	h ₁₃	mm	90	90	90	90
	4.19	Overall length						
		platform up	l ₁	mm	2085	2106	2106	2129
		platform down	l ₁	mm	2532	2565	2565	2577
	4.20	Length to face of forks						
		platform up	l ₂	mm	935	956	956	979
		platform down	l ₂	mm	1382	1415	1415	1427
	4.21	Overall width	b ₁ /b ₂	mm	790/—	790/—	790/—	850/—
	4.22	Fork dimensions	s/e/l	mm	70/180/1150	70/180/1150	70/180/1150	70/185/1150
	4.25	Width over forks	b ₅	mm	570	570	570	575
4.32	Ground clearance, center of wheelbase	m ₂	mm	19,5	19,5	19,5	19,5	
4.33	Aisle width for pallets 1000x1200 crossways							
	platform up	A _{st}	mm	2619	2639	2639	2650	
	platform down	A _{st}	mm	3068	3088	3088	3099	
4.34	Aisle width for pallets 800x1200 lengthways							
	platform up	A _{st}	mm	2510	2536	2536	2550	
	platform down	A _{st}	mm	2959	2985	2985	2999	
4.35	Turning radius							
	platform up	W _a	mm	1665	1665	1665	1665	
	platform down	W _a	mm	2114	2114	2114	2114	
Performance data	5.1	Travel speed, with/without load		km/h	6,0/6,0	6,0/6,0	6,0/6,0	6,0/6,0
		6 km/h version		km/h	7,0/8,0	7,0/8,0	7,0/8,0	—
		8 km/h version		km/h	—	9,0/10,0	9,0/10,0	—
		10 km/h version		km/h	—	—	—	—
	5.2	Lift speed, with/without load		m/s	0,20/0,36	0,17/0,33	0,15/0,31	0,13/0,24
	5.3	Lowering speed, with/without load		m/s	0,45/0,45	0,45/0,45	0,45/0,45	0,45/0,45
5.8	Max. gradeability, with/without load		%	8/12	8/12	8/12	8/12	
5.9	Acceleration time (over 10 m)		s	5,2	5,3	5,5	6,6	
5.10	Service brake			Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic	
Electric motor	6.1	Drive motor rating (S2 60min)		kW	1,8	1,8	1,8	1,8
		6 km/h version		kW	1,8	1,8	1,8	—
		8 km/h version		kW	—	2,5	2,5	—
		10 km/h version		kW	—	—	—	—
	6.2	Lift motor rating (S3 15%)		kW	3	3	3	3
	6.4	Battery voltage, nominal capacity K _s		V/Ah	24/300	24/300	24/300	24/300
6.5	Battery weight		kg	195-270	195-270	195-270	195-270	
6.6	Energy consumption according to VDI cycle		kWh/h	1,04	1,06	1,07	1,06	
	Energy consumption according to EN 16796		kWh/h	0,81	0,83	0,85	0,87	
Others	8.1	Type of drive control			Variable AC	Variable AC	Variable AC	Variable AC
	8.4	Sound level at the driver's ear according to EN 12053		dB (A)	66	66	66	67

1) Measured according to company standard.

*) Further alternatives are available and will produce other values.

Data is based on standard configurations: Small battery compartment, h₂₃ = 4150 mm (SPE120/140/160) and 4050 mm (SPE200) Triplex HiLo mast

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

Truck performance and dimensions are nominal and subject to tolerances.

Products and specifications are subject to change without notice.

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)
- Li-ion battery (option)

