

# Pedestrian stacker truck 1.35 ton



**BT IXION**  
SPE135S



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**TOYOTA**

MATERIAL HANDLING

stronger together

# Pedestrian stacker straddle version

Specification for stacker trucks					SPE135S
Identification	1.1	Manufacturer			BT
	1.2	Model			SPE135S
	1.3	Drive			Electric
	1.4	Operator type			Pedestrian/
	1.5	Load capacity/rated load	Q	kg	1350
	1.6	Load centre	c	mm	600
	1.8	Load distance, centre of support arm wheel to face of forks	x	mm	697 <sup>1)</sup>
	1.9	Wheelbase	y	mm	1360
	Weight	2.1	Service weight		kg
2.2		Axle load, with load, drive/support arm wheel		kg	530/20/870
2.3		Axle load, without load, drive/support arm wheel		kg	390/335/250
Wheels	3.1	Drive/support arm wheel			Powerfriction/Vulkollan <sup>2)</sup>
	3.2	Wheel size, front		mm	Ø 215x70
	3.3	Wheel size, rear		mm	Ø 125x50
	3.5	Wheels, number front/rear (x=driven wheels)			1x/2
	3.7	Track width, rear	b <sub>11</sub>	mm	1020
Dimensions	4.2	Height, mast lowered	h <sub>1</sub>	mm	1680
	4.3	Free lift	h <sub>2</sub>	mm	1160
	4.4	Lift	h <sub>3</sub>	mm	3290
		Lift height	h <sub>23</sub>	mm	3350
	4.5	Height, mast extended	h <sub>4</sub>	mm	3875
	4.8	Stand height (optional platform)	h <sub>7</sub>	mm	150
	4.9	Height of tiller in drive position, min./max.	h <sub>14</sub>	mm	1435
	4.10	Height of support arm	h <sub>10</sub>	mm	100
	4.15	Height, fork lowered	h <sub>13</sub>	mm	60
	4.19	Overall length	l <sub>1</sub>	mm	2040
	4.20	Length to face of forks	l <sub>2</sub>	mm	890
	4.21	Overall width	b <sub>1</sub> /b <sub>2</sub>	mm	1160/1560 <sup>2)</sup>
	4.22	Fork dimensions	s/e/l	mm	40/100/1150
	4.24	Fork-carriage width	b <sub>3</sub>	mm	840
	4.25	Width over forks	b <sub>5</sub>	mm	260-900
	4.26	Distance between support arms	b <sub>4</sub>	mm	900 <sup>2)</sup>
	4.31	Ground clearance, with load, below mast	m <sub>1</sub>	mm	32
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	40
4.33	Aisle width for pallets 1000x1200 crossways	A <sub>st</sub>	mm	2449	
4.34	Aisle width for pallets 800x1200 lengthways	A <sub>st</sub>	mm	2362	
4.35	Turning radius	W <sub>a</sub>	mm	1603	
Performance data	5.1	Travel speed, with/without load		km/h	8,0/6,8 <sup>3)</sup>
	5.2	Lift speed, with/without load		m/s	0,29/0,19
	5.3	Lowering speed, with/without load		m/s	0,40/0,55
	5.8	Max. gradeability, with/without load		%	12/10 <sup>4)</sup>
	5.10	Service brake			Electromagnetic
Electric motor	6.1	Drive motor rating S2 60 min		kW	1,4
	6.2	Lift motor rating at S3 20%		kW	3,1
	6.4	Battery voltage/nominal capacity K <sub>5</sub>		V/Ah	24/180-440
	6.5	Battery weight		kg	200-370
	Others	8.1	Type of drive control		

<sup>1)</sup> Triplex mast -20 mm

<sup>2)</sup> Further alternatives are available and will produce other values

<sup>3)</sup> Version without platform = 6,0/6,0 km/h

<sup>4)</sup> 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.

Specifications are subject to change without notice.

Data is based on small size battery compartment and Triplex mast.

Large battery compartment = +98 mm and +30 kg.

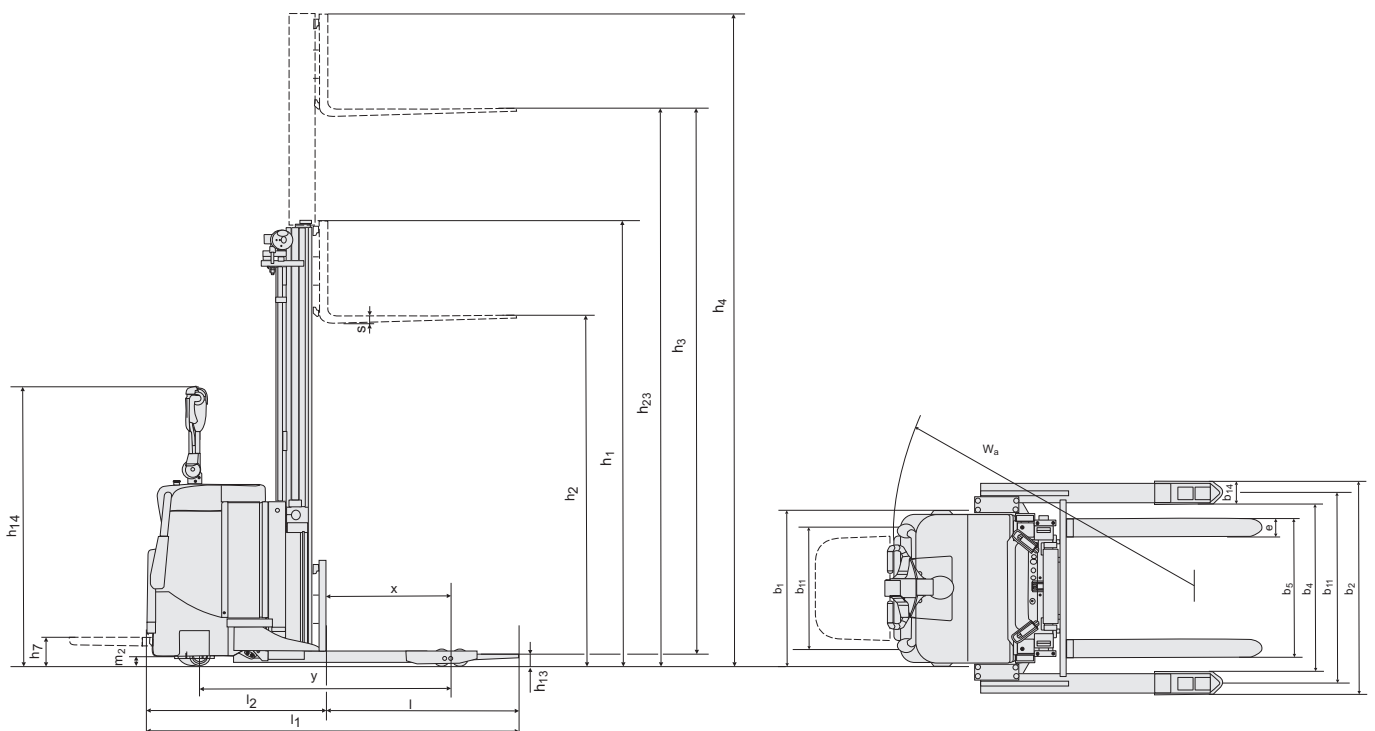
# Battery dependent dimensions

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Dimensions, mm			SPE135S	
1.9	Wheelbase	y	mm	1360
4.19	Overall length without platform with platform up/down	$l_1$	mm	2040
		$l_1$	mm	2070/2497
4.20	Length to face of forks without platform with platform up/down	$l_2$	mm	890
		$l_2$	mm	920/1347
4.33	Aisle width for pallets 1000x1200 crossways without platform with platform up/down	$A_{st}$	mm	2449
		$A_{st}$	mm	2534/2934
4.34	Aisle width for pallets 800x1200 lengthways without platform with platform up/down	$A_{st}$	mm	2362
		$A_{st}$	mm	2447/2847
4.35	Turning radius without platform with platform up/down	$W_a$	mm	1603
		$W_a$	mm	1633/2060
6.4	Battery voltage, nominal capacity $K_5$		V/Ah	24/180-440
6.5	Battery weight, min.—max.		kg	200/370

# Mast dimensions

SPE135S			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	2290	2740	3290	2290	2840	3290	3690	4090	3290	3690	4090	4440	4740	5340
$h_1$	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	—	—	—	1195	1470	1695	1895	2095	1160	1295	1430	1545	1645	1845
$h_4$	Height, mast extended	mm	2870	3320	3870	2870	3420	3870	4280	4680	3875	4275	4675	5025	5325	5925



## 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
- Built in charger (option)
- Sensilift (option)
- Flip-up operator platform (option)
- Toyota I\_Site: truck fleet management system (option)
- Hydraulic oil for low temperatures (option)



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