Pedestrian stacker truck 2.0 ton

BT staxio

W-series

SWE200D

TOYOTA

MATERIAL HANDLING

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Pedestrian stacker double stacking

Specification for stacker trucks					SWE200D
Identification	1.1	Manufacturer			Toyota
	1.2	Model			SWE200D
	1.3	Drive			Electric
	1.4	Operator type			Pedestrian
	1.5	Load capacity/rated load	Q	kg	1000
		Support arm capacity/fork and support arm capacity	Q	kg	2000/800+1200
	1.6	Load centre	c	mm	600
	1.8	Load distance, centre of support arm wheel to face of forks (support arms raised/lowered)	x	mm	873/932
	1.9	Wheelbase (support arms raised/lowered)	y	mm	1483/1542
Weight	2.1	Service weight including battery		kg	857
	2.2	Axle load, with load, drive/castor/support arm wheel		kg	570/360/1155
	2.3	Axle load, without load, drive/castor/support arm wheel		kg	570/100/215
Wheels	3.1	Drive/castor/support arm wheel			Polyurethane
	3.2	Wheel size, front		mm	Ø230x70
	3.3	Wheel size, rear		mm	Ø85x74
	3.4	Additional wheels (dimensions)		mm	Ø125x50
	3.5	Wheels, number front/rear (x=driven wheels)			1x+2/4
	3.6	Track width, front	b_{10}	mm	550
	3.7	Track width, rear	b_{11}	mm	390
Dimensions	4.2	Height, mast lowered	h_1	mm	1535 *)
	4.3	Free lift	h_2	mm	166 *)
	4.4	Lift	h_3	mm	2010 *)
		Lift height	h_{23}	mm	2100 *)
	4.5	Height, mast extended	h_4	mm	2520 *)
	4.6	Initial lift	h_5	mm	120
	4.9	Height of tiller in drive position without platform, min./max.	h_{14}	mm	150
		Height of tiller in drive position with platform, min./max.	h_{14}	mm	865/1235
	4.15	Height, fork lowered	h_{13}	mm	90
	4.19	Overall length	l_1	mm	1910
	4.20	Length to face of forks	l_2	mm	753
	4.21	Overall width	b_1	mm	770
	4.22	Fork dimensions	s/e/l	mm	60/180/1150 *)
	4.24	Fork-carriage width	b_3	mm	674
	4.25	Width over forks	b_5	mm	570 *)
	4.31	Ground clearance, with load, below mast	m_1	mm	22
	4.32	Ground clearance, centre of wheelbase	m_2	mm	22
	4.34.1	Aisle width for pallets 1000 x 1200 crossways	A_{st}	mm	2452
	4.34.2	Aisle width for pallets 800 x 1200 lengthways	A_{st}	mm	2356
	4.35	Turning radius, support arms raised	W_a	mm	1639
Performance data	5.1	Travel speed, with/without load		km/h	6/6
	5.2	Lift speed, with/without load		m/s	0.12/ 0.27
	5.3	Lowering speed, with/without load		m/s	0.38/0.32
	5.8	Max. gradeability, with/without load [2]		%	9/12 [1]
	5.10	Service brake			Electromagnetic
Electric motor	6.1	Drive motor rating S2 60 min		kW	1.5
	6.2	Lift motor rating at S3 15%		kW	2.2 [2]
	6.4	Battery voltage/nominal capacity K_5		V/Ah	24/225 *)
	6.5	Battery weight		kg	192 *)
	6.6	Energy consumption according to VDI cycle		kWh/h	0,65
		Energy consumption acc. to EN16796:2016		kWh/h	0,52
	6.7	Turnover output		t/h	45,5
	6.8	Energy consumption at turnover output		kWh/h	1,05
Others	8.1	Type of drive control			Variable AC

[1] Measured according to company standard
[2] S3 6%
*) Further alternatives are available and will produce other values.
Data is based on standard configurations: h_{23} = 2100 mm Duplex Tele Panoramic View mast.

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

Battery dependent dimensions

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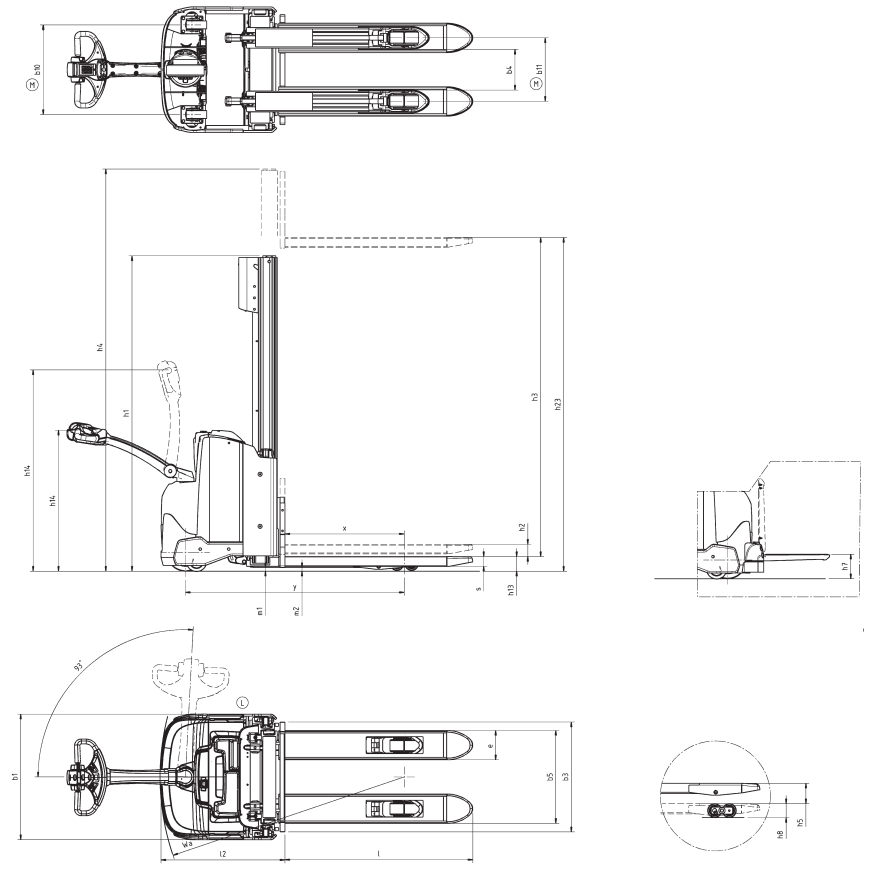
Dimensions		Battery change		SWE200D		
				Lift out		Sideways
		Battery compartment		Medium	Large	Large
1.9	Wheelbase, support arms raised/lowered	y	mm	1438/1542	1533/1592	1533/1592
	Overall length					
4.19	without platform	l_1	mm	1910	1960	1960
	with platform up/down		mm	1995/2385	2045/2435	2045/2435
	Length to face of forks					
4.20	without platform	l_2	mm	760	810	810
	with platform up/down		mm	845/1235	895/1285	895/1285
	Aisle width for pallets 1000x1200 crossways					
4.34.1	without platform	A_{st}	mm	2452	2502	2350
	with platform up/down		mm	2537/2937	2587/2987	2435/2835
	Aisle width for pallets 800x1200 lengthways					
4.34.2	without platform	A_{st}	mm	2356	2406	2406
	with platform up/down		mm	2441/2841	2491/2891	2491/2891
	Turning radius, forks raised					
4.35	without platform	W_a	mm	1639	1689	1689
	with platform up/down		mm	1724/2124	1774/2174	1774/2174
6.4	Battery voltage, nominal capacity, Lead-Acid	K_5	V/Ah	24/225	24/300	24/260
	Battery voltage, nominal capacity, Li-Ion	K_5	V/Ah	24/105	24/210	—
6.5	Battery weight, nominal		kg	192	248	221
	Battery weight, min.—max.		kg	185—250	230— 285	209—250

Mast dimensions

SWE200D			Duplex Tele			Dupl. Tele Panoram. View		
h_{23}	Lift height (h_{13}+h_3)	mm	1700	1900	2100	1700	1900	2100
h_3	Lift	mm	1610	1810	2010	1610	1810	2010
h_1	Height, mast lowered	mm	1340	1440	1540	1335	1435	1535
h_2	Free lift, ground to top of forks	mm	166	166	166	166	166	166
h_4	Height, mast extended	mm	2125	2325	2525	2120	2320	2520



Truck features:

- Fingertip controls
- Electronic braking system
- Electronic speed control
- Operator safety
- Storage compartments
- Automatic switch-off
- Click-2-creep
- 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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