Pedestrian stacker truck 1.0 ton

BT staxio

SWE100

TOYOTA

MATERIAL HANDLING

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Pedestrian stacker

Specification for stacker trucks					SWE100
Identification	1.1	Manufacturer			BT
	1.2	Model			SWE100
	1.3	Drive			Electric
	1.4	Operator type			Pedestrian
	1.5	Load capacity/rated load	Q	kg	1000
	1.6	Load centre	c	mm	600
	1.8	Load distance, centre of support arm wheel to face of forks	x	mm	657
	1.9	Wheelbase	y	mm	1190
Weight	2.1	Service weight including battery		kg	808
	2.2	Axle load, with load, drive/castor/support arm wheel		kg	350/280/1185
	2.3	Axle load, without load, drive/castor/support arm wheel		kg	350/230/235
Wheels	3.1	Drive/castor/fork wheel			Powerfriction/Vulkollan/Vulkollan *)
	3.2	Wheel size, front		mm	Ø230x70
	3.3	Wheel size, rear		mm	Ø85x95
	3.4	Additional wheels (dimensions)		mm	Ø125x50
	3.5	Wheels, number front/rear (x=driven wheels)			1x+2/2
	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	2151 *)
	4.3	Free lift	h_2	mm	166 *)
	4.4	Lift	h_3	mm	3210 *)
		Lift height	h_{23}	mm	3300 *)
	4.5	Height, mast extended	h_4	mm	3720 *)
	4.8	Stand height (optional platform)	h_7	mm	150
	4.9	Height of tiller in drive position, min./max.	h_{14}	mm	865/1235
	4.15	Height, fork lowered	h_{13}	mm	90
	4.19	Overall length	l_1	mm	1831
	4.20	Length to face of forks	l_2	mm	683
	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	27
	4.32	Ground clearance, centre of wheelbase	m_2	mm	27
	4.33	Aisle width for pallets 1000x1200 crossways	A_{st}	mm	2231
	4.34	Aisle width for pallets 800x1200 lengthways	A_{st}	mm	2214
	4.35	Turning radius	W_a	mm	1340
Performance data	5.1	Travel speed, with/without load		km/h	6/6
	5.2	Lift speed, with/without load		m/s	0.14/0.28
	5.3	Lowering speed, with/without load		m/s	0.38/0.38
	5.8	Max. gradeability, with/without load [2]		%	8/12 [1]
	5.10	Service brake			Electromagnetic
Electric motor	6.1	Drive motor rating S2 60 min		kW	1.0
	6.2	Lift motor rating at S3 15%		kW	2.2 [2]
	6.4	Battery voltage/nominal capacity K_5		V/Ah	24/150 *)
	6.5	Battery weight		kg	163 *)
Others	8.1	Type of drive control			BT Powerdrive

[1] Measured according to company standard
[2] S3 6%
*) Further alternatives are available and will produce other values.

Data is based on standard configurations: Small battery compartment, h_{23} = 3300 mm Duplex Tele mast.

Truck performance and dimensions are nominal and subject to tolerances.
BT Products AB products and specifications are subject to change without notice.

Battery dependent dimensions

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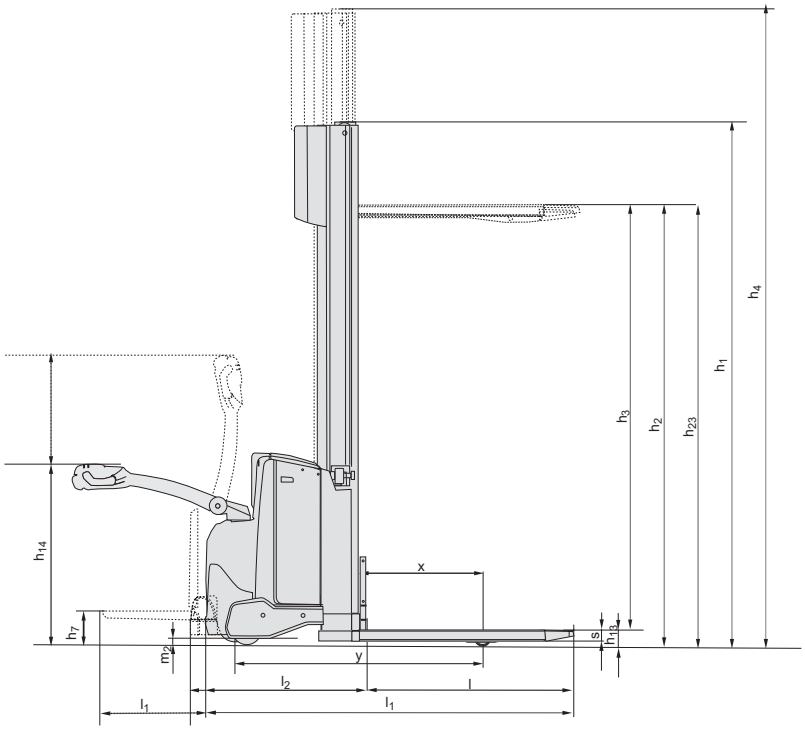
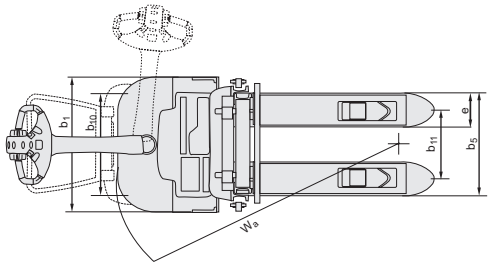
Dimensions		Battery Compartment		SWE100		
				Small	Medium	Large
1.9	Wheelbase	y	mm	1190	1247	1297
	Overall length					
4.19	... without platform	l_1	mm	1831	1888	1938
	...with platform up/down		mm	1916/2306	1973/2363	2023/2413
	Length to face of forks					
4.20	without platform	l_2	mm	683	740	790
	with platform up/down		mm	768/1158	825/1215	875/1265
	Aisle width for pallets 1000x1200 crossways					
4.33	without platform	A_{st}	mm	2231	2288	2338
	with platform up/down		mm	2316/2716	2373/2773	2423/2823
	Aisle width for pallets 800x1200 lengthways					
4.34	without platform	A_{st}	mm	2214	2271	2321
	with platform up/down		mm	2299/2699	2356/2756	2406/2806
	Turning radius					
4.35	without platform	W_a	mm	1340	1397	1447
	with platform up/down		mm	1425/1825	1482/1882	1532/1932
6.4	Battery voltage, nominal capacity K_5		V/Ah	24/150	24/225	24/300
6.5	Battery weight, min.—max.		kg	120—165	189—250	230—280

Mast dimensions

SWE100			Simplex		Duplex Tele			Duplex Tele Panoramic View		
h_{23}	Lift height (h_{13}+h_3)	mm	1400	1700	2700	2900	3300	2700	2900	3300
h_3	Lift	mm	1310	1610	2610	2810	3210	2610	2810	3210
h_1	Height, mast lowered	mm	1825	2125	1851	1951	2151	1835	1935	2135
h_2	Free lift, ground to top of forks	mm	1400	1700	166	166	166	166	166	166
h_4	Height, mast extended	mm	1825	2125	3125	3325	3725	3120	3320	3720





Truck features:

- BT Powerdrive System
- 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)
- Flip-up operator platform (option)
- Toyota I_site: truck fleet management system (option)
- Hydraulic oil for low temperatures (option)

TP-Technical Publications, Sweden — 746894-040, version 3, 1006

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TOYOTA INDUSTRIAL EQUIPMENT

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