

Pedestrian stacker truck 1.0 ton



BT staxio

W-series

SWE100



TOYOTA

MATERIAL HANDLING

stronger together

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				Friction/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 _s		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, h₂₃ = 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.

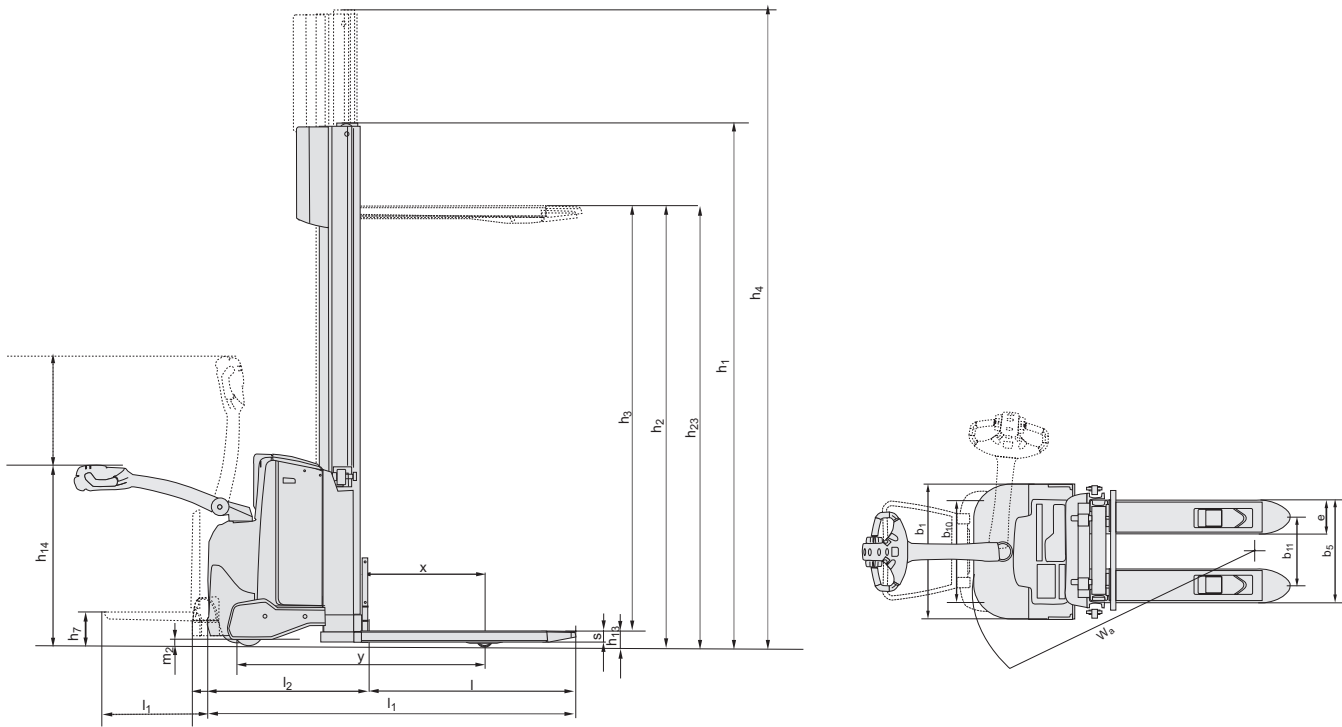
Battery dependent dimensions

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Dimensions		Battery Compartment		SWE100		
				Small	Medium	Large
1.9	Wheelbase	y	mm	1190	1247	1297
4.19	Overall length	l_1	mm	1831	1888	1938
	... without platform		mm	1916/2306	1973/2363	2023/2413
4.20	Length to face of forks	l_2	mm	683	740	790
	without platform		mm	768/1158	825/1215	875/1265
4.33	Aisle width for pallets 1000x1200 crossways	A_{st}	mm	2231	2288	2338
	without platform		mm	2316/2716	2373/2773	2423/2823
4.34	Aisle width for pallets 800x1200 lengthways	A_{st}	mm	2214	2271	2321
	without platform		mm	2299/2699	2356/2756	2406/2806
4.35	Turning radius	W_a	mm	1340	1397	1447
	without platform		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)

