

Pedestrian stacker truck 1.0 ton



BT staxio

W-series

SWE100



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 _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.

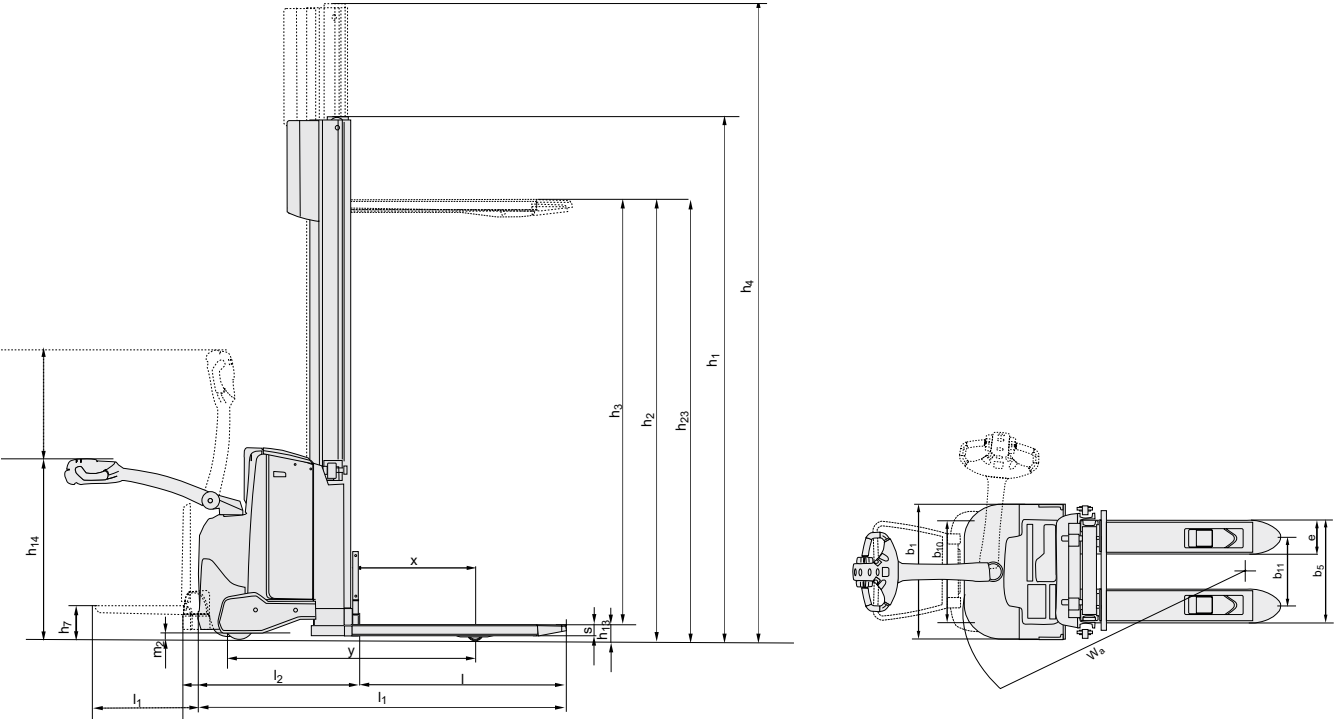
Battery dependent dimensions

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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)

