

Pedestrian stacker

Specification for stacker trucks					SWE140
Identification	1.1	Manufacturer			BT
	1.2	Model			SWE140
	1.3	Drive			Electric
	1.4	Operator type			Pedestrian
	1.5	Load capacity/rated load	Q	kg	1400
	1.6	Load centre	c	mm	600
	1.8	Load distance, centre of support arm wheel to face of forks	x	mm	639
	1.9	Wheelbase	y	mm	1247
Weight	2.1	Service weight including battery		kg	929
	2.2	Axle load, with load, drive/castor/support arm wheel		kg	450/245/1640
	2.3	Axle load, without load, drive/castor/support arm wheel		kg	450/200/285
Wheels	3.1	Drive/castor/fork wheel			Ian/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	2160 *)
	4.3	Free lift	h ₂	mm	166 *)
	4.4	Lift	h ₃	mm	3165 *)
		Lift height	h ₂₃	mm	3255 *)
	4.5	Height, mast extended	h ₄	mm	3725 *)
	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	1901
	4.20	Length to face of forks	l ₂	mm	758
	4.21	Overall width	b ₁	mm	770 *)
	4.22	Fork dimensions	s/e/l	mm	70/180/1150 *)
	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	2297
	4.34	Aisle width for pallets 800x1200 lengthways	A _{st}	mm	2286
	4.35	Turning radius	W _a	mm	1397
Performance data	5.1	Travel speed, with/without load		km/h	6/6
	5.2	Lift speed, with/without load		m/s	0.11/0.28
	5.3	Lowering speed, with/without load		m/s	0.37/0.38
	5.8	Max. gradeability, with/without load		%	8/12 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	219 *)
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: Medium battery compartment,
h₂₃ = 3300 mm (SWE120) and 3255 mm (SWE140) Duplex Tele Panoramic View 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 change		SWE140		
				Lift out		Sideways
		Battery compartment		Medium	Large	Large
1.9	Wheelbase	y	mm	1247	1297	1297
4.19	Overall length	l_1	mm	1901	1951	1951
	without platform		mm	1986/2376	2036/2426	2036/2426
4.20	Length to face of forks	l_2	mm	758	808	808
	without platform		mm	843/1233	893/1283	893/1283
4.33	Aisle width for pallets 1000x1200 crossways	A_{st}	mm	2297	2347	2347
	without platform		mm	2382/2782	2432/2832	2432/2832
4.34	Aisle width for pallets 800x1200 lengthways	A_{st}	mm	2286	2336	2336
	without platform		mm	2371/2771	2421/2821	2421/2821
4.35	Turning radius	W_a	mm	1397	1447	1447
	without platform		mm	1482/1882	1532/1932	1532/1932
6.4	Battery voltage, nominal capacity K_5		V/Ah	24/225	24/300	24/260
6.5	Battery weight, min.—max.		kg	189—250	230—280	209—250

Mast dimensions

SWE140			Triplex HiLo		
h_{23}	Lift height ($h_{13}+h_3$)	mm	3655	4105	4755
h_3	Lift	mm	3565	4015	4665
h_1	Height, mast lowered	mm	1829	1979	2195
h_2	Free lift, ground to top of forks	mm	1358	1508	1724
h_4	Height, mast extended	mm	4149	4599	5247

