

# Pedestrian stacker truck 1.45 - 2.0 ton



## BT staxio

*W-series*

SWE145L

SWE160L

SWE200L



# Pedestrian stacker with elevating support arms

Specifications				SWE145L	SWE160L	SWE200L	
Identification	1.1	Manufacturer		BT	BT	BT	
	1.2	Model		SWE145L	SWE160L	SWE200L	
	1.3	Drive		Electric	Electric	Electric	
	1.4	Operator type		Pedestrian	Pedestrian	Pedestrian	
	1.5	Load capacity/rated load	Q	kg	1450	1600	2000
		Support arm capacity	Q	kg	2000	2000	2000
	1.6	Load center	c	mm	600	600	600
	1.8	Load distance, centre of support arm wheel to face of forks raised support arms	x	mm	661	661	644
		lowered support arms	x	mm	692	692	675
1.9	Wheelbase						
	raised support arms	y	mm	1397	1397	1397	
	lowered support arms	y	mm	1428	1428	1428	
Weight	2.1	Service weight incl. battery		kg	1439	1439	1660
	2.2	Axle load, with load, drive/castor/fork wheel		kg	540/495/1854	560/484/1995	670/512/2478
	2.3	Axle load, without load, drive/castor/fork wheel		kg	400/545/494	400/545/494	400/674/586
Wheels	3.1	Drive/castor/fork wheel			Friction/Vulkollan®/Vulkollan®		
	3.2	Wheel size, front		mm	Ø 230	Ø 230	Ø 230
	3.3	Wheel size, rear		mm	Ø 85	Ø 85	Ø 85
	3.4	Additional wheel size		mm	Ø 125	Ø 125	Ø 125
	3.5	Wheels, number front/rear (x=driven wheels)			1x + 2 / 2 or 4	1x + 2 / 2 or 4	1x + 2 / 2 or 4
	3.6	Track width, front	b <sub>10</sub>	mm	585	585	585
	3.7	Track width, rear	b <sub>11</sub>	mm	370	370	390
Dimensions	4.2	Height, mast lowered	h <sub>1</sub>	mm	1946	1946	1946
	4.3	Free lift	h <sub>2</sub>	mm	1666	1666	1566
	4.4	Lift	h <sub>3</sub>	mm	4060	4060	3960
		Lift height	h <sub>23</sub>	mm	4150	4150	4050
	4.5	Height, mast extended	h <sub>4</sub>	mm	5056	5056	5056
	4.6	Initial Lift	h <sub>5</sub>	mm	120	120	120
	4.9	Height of tiller in drive position, min./max.	h <sub>14</sub>	mm	869/1294	869/1294	869/1294
	4.15	Height, fork lowered	h <sub>13</sub>	mm	90	90	90
	4.19	Overall length	l <sub>1</sub>	mm	2045	2045	2056
	4.20	Length to face of forks	l <sub>2</sub>	mm	895	895	906
	4.21	Overall width	b <sub>1</sub> /b <sub>2</sub>	mm	790/—	790/—	790/—
	4.22	Fork dimensions	s/e/l	mm	70/180/1150	70/180/1150	70/185/1150
	4.25	Width over forks	b <sub>5</sub>	mm	570	570	575
4.32	Ground clearance, center of wheelbase	m <sub>2</sub>	mm	19,5	19,5	19,5	
4.33	Aisle width for pallets 1000 × 1200 crossways	A <sub>st</sub>	mm	2448	2448	2458	
4.34	Aisle width for pallets 800 × 1200 lengthways	A <sub>st</sub>	mm	2340	2340	2353	
4.35	Turning radius	W <sub>2</sub>	mm	1493	1493	1590	
Performance data	5.1	Travel speed, with/without load		km/h	6,0/6,0	6,0/6,0	6,0/6,0
	5.2	Lift speed, with/without load		m/s	0,17/0,33	0,15/0,31	0,13/0,24
	5.3	Lowering speed, with/without load		m/s	0,45/0,45	0,45/0,45	0,38/0,45
	5.8	Max. gradeability, with/without load		%	7/12 <sup>1)</sup>	7/12 <sup>1)</sup>	7/12 <sup>1)</sup>
	5.9	Acceleration time (over 10 m)		s	7,1	7,2	7,4
	5.10	Service brake			Electromagnetic	Electromagnetic	Electromagnetic
Electric motor	6.1	Drive motor rating (S2 60min)			1,8	1,8	1,8
	6.2	Lift motor rating (S3 15%)		kW	3	3	3
	6.4	Battery voltage, nominal capacity K5		V/Ah	24/300	24/300	24/300
	6.5	Battery weight		kg	195-270	195-270	195-270
	6.6	Energy consumption acc to VDI cycle		kWh/h	1,078	1,078	1,078
	Others	8.1	Type of drive control			Variable AC	Variable AC
8.4		Sound level at the driver's ear according to EN 12 053		dB (A)	66	66	67

1) Measured according to company standard. 8/12 with 1600 kg on the support arms.

Data is based on standard truck and small battery.

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



## Truck features:

- BT Powertrak traction system
- Optimised Truck Performance
- Fingertip controls
- Electronic braking system
- Electronic speed control
- Operator safety
- Storage compartments
- Automatic switch-off
- Programmable performance
- Easy access for maintenance
- Sensilift
- Toyota I\_site: truck fleet management system (option)
- Hydraulic oil for low temperatures (option)

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