

HWE100S

Specifications					HWE100S
Identification	1.1	Manufacturer			Toyota
	1.2	Model			HWE100S
	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	800
	1.9	Wheelbase	y	mm	1210
	Weight	2.1	Service weight with battery		kg
2.2		Axle load, with load, drive/castor/fork wheel		kg	580/—/515
2.3		Axle load, without load, drive/castor/fork wheel		kg	400/—/80
Wheels	3.1	Drive/castor/fork wheel			Polyurethane
	3.2	Wheel size, front	Ø x width	mm	250x60
	3.3	Wheel size, rear	Ø x width	mm	85x77
	3.4	Additional wheels (dimensions)	Ø x width	mm	—
	3.5	Wheels, number front/rear (x = driven wheels)			1x/2
	3.6	Track width, front	b ₁₀	mm	506
	3.7	Track width, rear	b ₁₁	mm	1000–1400
Dimensions	4.2	Height, mast lowered	h ₁	mm	1890
	4.4	Lift	h ₃	mm	1500
		Lift height	h ₂₃	mm	1540
	4.5	Height, mast extended	h ₄	mm	2040
	4.9	Height of tiller in drive position, min./max.	h ₁₄	mm	858/1222
	4.15	Height, fork lowered	h ₁₃	mm	50
	4.19	Overall length	l ₁	mm	1722
	4.20	Length to face of forks	l ₂	mm	572
	4.21	Overall width	b ₁ /b ₂	mm	700/1100—1500
	4.22	Fork dimensions	s/e/l	mm	40/100/1150
	4.25	Width over forks	b ₅	mm	250—800
	4.26	Distance between support arms	b ₄	mm	900—1300
	4.27	Support arm width	b ₁₄	mm	100
	4.31	Ground clearance, below mast	m ₁	mm	49
	4.32	Ground clearance, centre of wheelbase	m ₁	mm	26
4.34	Aisle width for pallets 800x1200 lengthways	A _{st}	mm	2130	
4.35	Turning radius	W _a	mm	1365	
Performance data	5.1	Travel speed, with/without load		km/h	4,5/5,5
	5.2	Lift speed, with/without load		m/s	0,10/0,19
	5.3	Lowering speed, with/without load		m/s	0,15/0,14
	5.8	Max. gradeability, with/without load		%	6/10 ¹⁾
	5.10	Service brake			Electromagnetic
Electric motor	6.1	Drive motor rating S2 60 min		kW	0,7
	6.2	Lift motor rating at S3 5%		kW	1,2
	6.4	Battery voltage/nominal capacity K _s		V/Ah	2x12/63
	6.5	Battery weight		kg	2x23
	6.6	Energy consumption according to VDI cycle (with h ₂₃ = 1580 mm/with h ₂₃ = 2000 mm)		kWh/h	
	Other	8.1	Type of drive control		
8.4		Sound level at the driver's ear according to EN 12 053		dB(A)	66

1) Measured according to company standard.

* Further alternatives are available and will produce other values.

Mast dimensions

			HWE100S		
Height, mast lowered	h_1	mm	1635	1890	2310
Lift movement	h_3	mm	1100	1500	1920
Height, mast extended	h_4	mm	1640	2040	2460
Lift height ($h_{13}+h_3$)	h_{23}	mm	1140	1540	1960

