

Electric powered forklift 8.0 ton

Truck specifications					9FBH80T
Identification	1.1	Manufacturer			Toyota
	1.2	Model			9FBH80T
	1.3	Drive			Electric
	1.4	Operator type			Driver seated
	1.5	Load capacity/rated load	Q	kg	8000
	1.6	Load centre	c	mm	900
	1.8	Load distance, centre of drive axle to fork	x	mm	750
	1.9	Wheelbase	y	mm	2300
Weight	2.1	Service weight		kg	15918
	2.2	Axle load, with load, front/rear		kg	21565 / 2553
	2.3	Axle load, without load, front/rear		kg	7826 / 8092
Tyres	3.1	Tyres - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			SE
	3.2	Tyre size, front			300-15
	3.3	Tyre size, rear			300-15
	3.5	Wheels, number front/rear (x = driven)			4x/2
	3.6	Track width, front	b ₁₀	mm	1575
	3.7	Track width, rear	b ₁₁	mm	1394
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	deg	5/8
	4.2	Height, mast lowered	h ₁	mm	2670
	4.3	Free lift	h ₂	mm	100
	4.4	Lift	h ₃	mm	3300
		Lift height	h ₂₃	mm	3370
	4.5	Height, mast extended	h ₄	mm	4480
	4.7	Height of overhead guard (cab)	h ₆	mm	2835
	4.8	Seat height	h ₇	mm	1710
	4.12	Coupling height	h ₁₀	mm	785
	4.19	Overall length	l ₁	mm	5450
	4.20	Length to face of forks	l ₂	mm	3650
	4.21	Overall width	b ₁	mm	2141
	4.22	Fork dimensions	s/e/l	mm	70x200x1800
	4.23	Fork carriage DIN 15 173, class/type A, B			IVA
	4.24	Fork carriage width	b ₃	mm	1700
	4.31	Ground clearance, with load, below mast	m ₁	mm	220
	4.32	Ground clearance, centre of wheelbase	m ₂	mm	210
	4.33	Aisle width for pallets 1000x1200 crossways	A _{st}	mm	4861
	4.34	Aisle width for pallets 800x1200 lengthways	A _{st}	mm	5061
Performance	4.35	Turning radius	W _a	mm	3111
	4.36	Internal turning radius	b ₁₃	mm	753
	5.1	Travel speed, with/without load		km/h	16/18
	5.2	Lift speed, with/without load		m/s	0,32/0,42
	5.3	Lowering speed, with/without load		m/s	0,55/0,45
	5.5	Drawbar pull, with/without load		N	15562/17132
	5.6	Max. drawbar pull, with/without load		N	44600 / 44600
Electric motor	5.7	Gradeability, with/without load		%	5,2/8,7
	5.8	Max. gradeability, with/without load		%	16/23
	5.9	Acceleration time, with/without load		s	6,0/5,2
	5.10	Service brake			Hydraulic
	6.1	Drive motor rating S2 60 min		kW	2x 21,2
	6.2	Lift motor rating S3 15%		kW	32
Others	6.3	Battery acc. to DIN 43 531/35/36 A, B, C, no			DIN 43536 A
	6.4	Battery voltage, nominal capacity K _s		V/Ah	80/1120 (-1240)
	6.5	Battery weight		kg	2785
	6.6	Energy consumption to VDI45 cycle			15,8
Others	8.1	Type of drive control			AC
	8.2	Operating pressure for attachments		bar	250
	8.3	Oil volume for attachments		l/min	80
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)	65,8

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

Mast dimensions and rated capacities

Model			V								FV			FSV							
9FBH80T	Lift height	h_{23}	3370	3770	4070	4570	5070	5570	6070	3370	3770	4070	4370	4770	5070	5570	6070	6570	7070		
	Lift	h_3	3300	3700	4000	4500	5000	5500	6000	3300	3700	4000	4300	4700	5000	5500	6000	6500	7000		
	Height, mast lowered	h_1	2820	3120	3320	3570	3820	4070	4320	2770	3020	3220	2820	2950	3050	3220	3390	3550	3720		
	Height, mast extended	h_4	4480	4920	5270	5770	6270	6770	7270	4334	4734	5034	5575	5975	6275	6775	7275	7775	8275		
	Free lift	h_2	100	100	100	100	100	100	100	1745	1995	2195	1545	1675	1775	1945	2115	2275	2445		

Dual tyre			V							FV			FSV						
9FBH80T	Tilt range, forward	deg	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	Tilt range, backward	deg	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	Load capacity at 900 mm LC	kg	8000	8000	8000	8000	7700	7700	7500	8000	8000	8000	8000	8000	8000	8000	7700	7300	7300

