



Electric powered forklift 5.0 ton

Truck specifications						8FBMT50
Identification	1.1	Manufacturer				TOYOTA
	1.2	Model				8FBMT50
	1.3	Drive				Electric
	1.4	Operator type				Rider seated
	1.5	Load capacity/rated load	Q	kg		4990
	1.6	Load centre	c	mm		600
	1.8	Load distance, centre of drive axle to fork	x	mm		528
	1.9	Wheelbase	y	mm		2030
	Weight	2.1	Service weight		kg	
2.2		Axle load, with load, front/rear		kg		11316 / 1406
2.3		Axle load, without load, front/rear		kg		3548 / 4173
Tyres	3.1	Tyre: C=Cushion, SE=Super elastic, PN=Pneumatic, TW=Twin				SE
	3.2	Tyre size, front				28x12,5-15
	3.3	Tyre size, rear				23x9-10
	3.5	Wheels, number front/rear (x=driven wheels)				2 / 2
	3.6	Track width, front	b ₁₀	mm		1145
	3.7	Track width, rear	b ₁₁	mm		1113
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	deg	
4.2		Height, mast lowered	h ₁	mm		2500
4.3		Free lift	h ₂	mm		140
4.4		Lift	h ₃	mm		3300
		Lift height	h ₂₃	mm		3360
4.5		Height, mast extended	h ₄	mm		4156
4.7		Height of overhead guard (cab)	h ₅	mm		2360
4.8		Seat height/stand height	h ₇	mm		1277
4.12		Coupling height	h ₁₀	mm		550
4.19		Overall length	l ₁	mm		4272
4.20		Length to face of forks	l ₂	mm		3072
4.21		Overall width	b ₁	mm		1440
4.22		Fork dimensions	s/e/l	mm		60/150/1200
4.23		Fork carriage DIN 15 173, class/type A, B				IIIA
4.24		Fork-carriage width	b ₃	mm		1170
4.31		Ground clearance, with load, below mast	m ₁	mm		150
4.32		Ground clearance, centre of wheelbase	m ₂	mm		145
4.33		Aisle width for pallets 1000 x 1200 crossways	A _{st}	mm		4412
4.34	Aisle width for pallets 800 x 1200 lengthways	A _{st}	mm		4612	
4.35	Turning radius	W _a	mm		2686	
4.36	Internal turning radius	b ₁₃	mm		685	
Performance data	5.1	Travel speed, with/without load		km/h		18/18
	5.2	Lift speed, with/without load		m/s		0,33/0,46
	5.3	Lowering speed, with/without load		m/s		0,55/0,46
	5.5	Drawbar pull, with/without load		N		12420
	5.6	Max. drawbar pull, with/without load		N		22000
	5.7	Gradeability, with/without load		%		8,8/15,8
	5.8	Max. gradeability, with/without load		%		13/23
	5.9	Acceleration time, with/without load		s		5,3/4,6
	5.10	Service brake				Mechanical/hydraulic
	Electric motor	6.1	Drive motor rating S2 60 min		kW	
6.2		Lift motor rating S3 15%		kW		25,5
6.3		Battery acc. to DIN 43 531/35/36 A, B, C, no				43536
6.4		Battery voltage, nominal capacity K5		V/Ah		80 / 840
6.5		Battery weight		kg		2178
Others	8.1	Type of drive control				AC
	8.2	Operating pressure for attachments		bar		160-180
	8.3	Oil volume for attachments		l/min		70
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)		68

Performance data and dimensions are nominal and subject to tolerances.
 Specifications are subject to change without notice.
 Please obtain the latest specifications before contracting products.

Mast dimensions and rated capacities

Model			V						FV/FW				FSV/FSW								
8FBMT50	Lift height	h_{23}	3060	3360	3760	4060	4560	5060	5560	2860	—	3360	3760	4060	4360	—	4760	5060	5560	6060	6560
	Lift	h_3	3000	3300	3700	4000	4500	5000	5500	2800	—	3300	3700	4000	4300	—	4700	5000	5500	6000	6500
	Height, mast lowered	h_1	2360	2500	2750	2880	3130	3380	3630	2360	—	2630	2880	3130	2360	—	2500	2630	2880	3130	3380
	Height, mast extended	h_4	3956	4156	4560	4856	5356	5856	6356	3690	—	4190	4590	4890	5190	—	5590	5890	6390	6890	7390
	Height, mast extended	h_4	4200	4500	4900	5200	5700	6200	6700	4000	—	4500	4900	5200	5500	—	5900	6200	6700	7200	7700
	Free lift, without load backrest	h_2	80	80	80	80	80	80	80	1470	—	1740	1990	2240	1470	—	1610	1740	1990	2240	2490
	Free lift, with load backrest	h_2	80	80	80	80	80	80	80	1160	—	1430	1680	1930	1160	—	1300	1430	1680	1930	2180

1) Without load backrest.

2) With load backrest; Height of standard load backrest is 1200 mm.

Pneumatic shaped cushion tyre			V						FV/FW				FSV/FSW								
8FBMT50	Tilt range, forward	deg	5	5	5	5	5	5	5	—	5	5	5	5	—	5	5	5	5	5	
	Tilt range, backward	deg	10(6)	10(6)	10(6)	10(6)	6	6	6	10(6)	—	10(6)	10(6)	10(6)	6	—	6	6	6	6	6
	Load capacity 600 mm LC	Kg	4990	4990	4990	4990	4990	4990	4950	4990	—	4990	4990	4990	4990	—	4970	4890	4750	4610	3850

Data in () are for when "Cabin Series" or front windshield is selected.

