

Electric powered forklift 2.5 ton

Truck specifications						8FBMT25
Identification	1.1	Manufacturer				TOYOTA
	1.2	Model				8FBMT25
	1.3	Drive				Electric
	1.4	Operator type				Rider seated
	1.5	Load capacity/rated load	Q	kg		2500
	1.6	Load centre	c	mm		500
	1.8	Load distance, centre of drive axle to fork	x	mm		420
	1.9	Wheelbase	y	mm		1720
Weight	2.1	Service weight		kg		4809
	2.2	Axle load, with load, front/rear		kg		6253/1056
	2.3	Axle load, without load, front/rear		kg		2415/2394
Tyres	3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)				SE
	3.2	Tyre size, front				23x9-10
	3.3	Tyre size, rear				18x7-8
	3.5	Wheels, number front/rear (x=driven wheels)				2x/2
	3.6	Track width, front	b ₁₀	mm		986
	3.7	Track width, rear	b ₁₁	mm		940
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	deg		5/8
	4.2	Height, mast lowered	h ₁	mm		2235
	4.3	Free lift	h ₂	mm		120
	4.4	Lift	h ₃	mm		3300
		Lift height	h ₂₃	mm		3340
	4.5	Height, mast extended	h ₄	mm		3999
	4.7	Height of overhead guard (cab)	h ₆	mm		2215
	4.8	Seat height/stand height	h ₇	mm		1143
	4.12	Coupling height	h ₁₀	mm		500
	4.19	Overall length	l ₁	mm		3429
	4.20	Length to face of forks	l ₂	mm		2429
	4.21	Overall width	b ₁	mm		1195
	4.22	Fork dimensions	s/e/l	mm		40/100/1000
	4.23	Fork carriage DIN 15 173, class/type A, B				IIA
	4.24	Fork-carriage width	b ₃	mm		1070
	4.31	Ground clearance, with load, below mast	m ₁	mm		95
	4.32	Ground clearance, centre of wheelbase	m ₂	mm		127
	4.33	Aisle width for pallets 1000 x 1200 crossways	A _{st}	mm		3759
	4.34	Aisle width for pallets 800 x 1200 lengthways	A _{st}	mm		3958
	4.35	Turning radius	W _a	mm		2138
	4.36	Internal turning radius	b ₁₃	mm		532
Performance data	5.1	Travel speed, with/without load		km/h		19/20
	5.2	Lift speed, with/without load		m/s		0,46/0,63
	5.3	Lowering speed, with/without load		m/s		0,56/0,48
	5.5	Drawbar pull, with/without load		N		8900
	5.6	Max. drawbar pull, with/without load		N		19000
	5.7	Gradeability, with/without load		%		15/25
	5.8	Max. gradeability, with/without load		%		24/29
	5.9	Acceleration time, with/without load		s		4,6/4,2
	5.10	Service brake				Mechanical/hydraulic
Electric motor	6.1	Drive motor rating S2 60 min		kW		20
	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 A
	6.4	Battery voltage, nominal capacity K5		V/Ah		80/700
	6.5	Battery weight		kg		1863
Others	8.1	Type of drive control				AC
	8.2	Operating pressure for attachments		bar		160
	8.3	Oil volume for attachments		l/min		40
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)		68,8

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					
8FBMT25	Lift height	h ₂₃	3040	3340	3740	4040	4540	3040	3340	3740	4040	3040	3340	3740	4040	4340	4740	5040	5540	6040	6540	4400	4740	5040	5540	6040	6540
	Lift	h ₃	3000	3300	3700	4000	4500	3000	3300	3700	4000	3000	3300	3700	4000	4300	4700	5000	5500	6000	6500	4360	4700	5000	5500	6000	6500
	Height, mast lowered	h ₁	2135	2235	2585	2835	3085	2135	2235	2585	2835	2135	2255	2505	2655	2135	2235	2395	2585	2835	3085	2085	2205	2305	2505	2655	2855
	Height, mast extended ¹⁾	h ₄	3699	3999	4399	4699	5199	3674	3974	4374	4674	3595	3895	4365	4605	4999	5399	5699	6199	6699	7199	4965	5305	5605	6105	6605	7105
	Height, mast extended ²⁾	h ₄	4200	4500	4900	5200	5700	4200	4500	4900	5200	4200	4500	4900	5200	5500	5900	6200	6700	7200	7700	5560	5900	6200	6700	7200	7700
	Free lift, without load backrest	h ₂	120	120	120	120	120	1511	1611	1961	2211	1540	1660	1840	2050	1476	1576	1736	1926	2176	2426	1480	1600	1700	1900	2050	2250
	Free lift, with load backrest	h ₂	120	120	120	120	120	985	1085	1435	1685	935	1055	1305	1455	975	1075	1235	1425	1675	1925	885	1005	1105	1305	1455	1655

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					
8FBMT25	Tilt range, forward	deg	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5		
	Tilt range, backward	deg	8	8	8	8	6	8	8	8	8	8	8	8	8	6	6	6	6	6	6	6	6	6	6	6		
	Load capacity at 500 mm LC	kg	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2000	1950	2500	2500	2500	2500	2000	1950	

