

8FBMKT20, 25, 8FBMT25

Specifications					8FBMKT20	8FBMKT25	8FBMT25
Identification	1.1	Manufacturer			Toyota	Toyota	Toyota
	1.2	Model			8FBMKT20	8FBMKT25	8FBMT25
	1.3	Drive			Electric	Electric	Electric
	1.4	Operator type			Rider seated	Rider seated	Rider seated
	1.5	Load capacity/rated load	Q	kg	2000	2500	2500
	1.6	Load centre	c	mm	500	500	500
	1.8	Load distance, centre of drive axle to fork	x	mm	420	420	420
	1.9	Wheelbase	y	mm	1431	1575	1720
Weight	2.1	Service weight		kg	4198	4553	4809
	2.2	Axle load, with load, front/rear		kg	5358/841	6201/852	6253/1056
	2.3	Axle load, without load, front/rear		kg	2072/2126	2241/2312	2415/2394
Tyres	3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			SE	SE	SE
	3.2	Tyre size, front			23x9 - 10	23x9 - 10	23x9 - 10
	3.3	Tyre size, rear			18x7 - 8	18x7 - 8	18x7 - 8
	3.5	Wheels, number front/rear (x = driven wheels)			2x/2	2x/2	2x/2
	3.6	Track width, front	b ₁₀	mm	986	986	986
	3.7	Track width, rear	b ₁₁	mm	940	940	940
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	deg	5/8	5/8
4.2		Height, mast lowered	h ₁	mm	2235	2235	2235
4.3		Free lift	h ₂	mm	120	120	120
4.4		Lift	h ₃	mm	3300	3300	3300
		Lift height	h ₂₃	mm	3340	3340	3340
4.5		Height, mast extended	h ₄	mm	3999	3999	3999
4.7		Height of overhead guard (cab)	h ₆	mm	2215	2215	2215
4.8		Seat height/stand height	h ₇	mm	1143	1143	1143
4.12		Coupling height	h ₁₀	mm	500	500	500
4.19		Overall length	l ₁	mm	3140	3284	3429
4.20		Length to face of forks	l ₂	mm	2140	2284	2429
4.21		Overall width	b ₁	mm	1195	1195	1195
4.22		Fork dimensions	s/e/l	mm	40/100/1000	40/100/1000	40/100/1000
4.23		Fork carriage DIN 15 173, class/type A, B			IIA	IIA	IIA
4.24		Fork-carriage width	b ₃	mm	1070	1070	1070
4.31		Ground clearance, with load, below mast	m ₁	mm	95	95	95
4.32		Ground clearance, centre of wheelbase	m ₂	mm	115	115	115
4.33		Aisle width for pallets 1000x1200 crossways	A _{st}	mm	3495	3625	3759
4.34		Aisle width for pallets 800x1200 lengthways	A _{st}	mm	3692	3823	3958
4.35		Turning radius	W _a	mm	1872	2003	2138
4.36	Internal turning radius	b ₁₃	mm	504	518	532	
Performance data	5.1	Travel speed, with/without load		km/h	19/20	19/20	19/20
	5.2	Lift speed, with/without load		m/s	0,50/0,63	0,46/0,63	0,46/0,63
	5.3	Lowering speed, with/without load		m/s	0,56/0,45	0,56/0,48	0,56/0,48
	5.5	Drawbar pull, with/without load		N	8900	8900	8900
	5.6	Max. drawbar pull, with/without load		N	19000	19000	19000
	5.7	Gradeability, with/without load		%	19/29	16/28	15/25
	5.8	Max. gradeability, with/without load		%	27/29	25/29	24/29
	5.9	Acceleration time, with/without load		s	4,4/4,2	4,5/4,2	4,6/4,2
	5.10	Service brake			Mechanical/hydraulic	Mechanical/hydraulic	Mechanical/hydraulic
	Electric motor	6.1	Drive motor rating S2 60 min		kW	20	20
6.2		Lift motor rating S3 15%		kW	25,5	25,5	25,5
6.3		Battery according to DIN 43 531/35/36 A, B, C, no			43536 A	43536 A	43536 A
6.4		Battery voltage, nominal capacity K _s		V/Ah	80/420	80/560	80/700
6.5		Battery weight		kg	1238	1558	1863
Other	8.1	Type of drive control			AC	AC	AC
	8.2	Operating pressure for attachments		bar	160	160	160
	8.3	Oil volume for attachments		l/min	40	40	40
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)	68,8	68,8	68,8

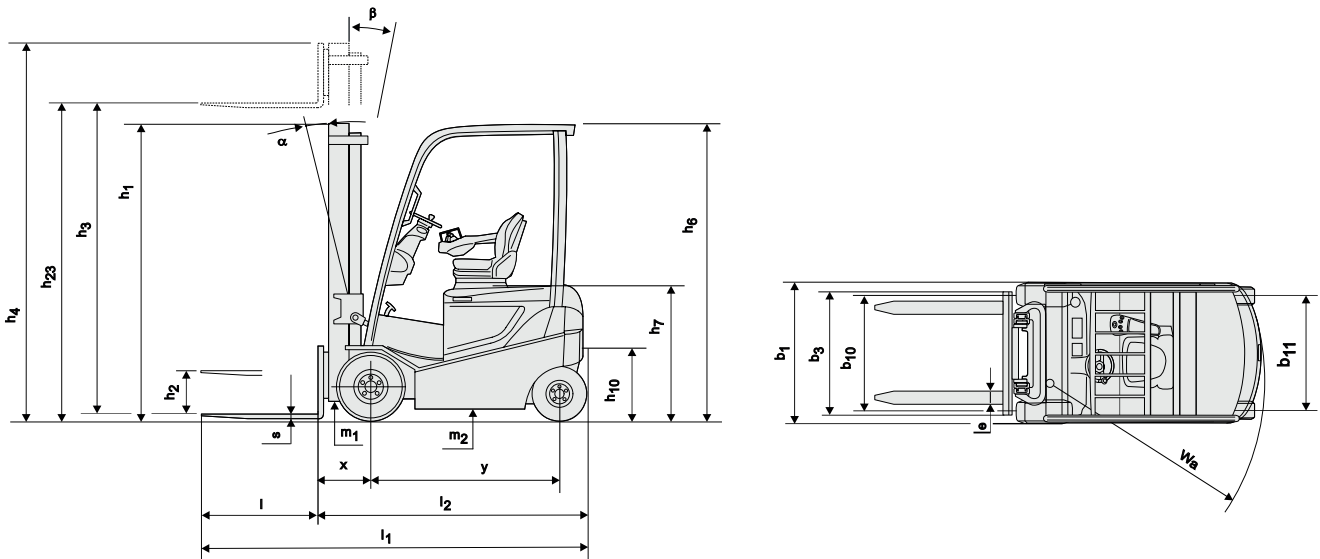
Mast dimensions and rated capacities

Model			V					FV				FW				FSV					FSW						
8FBMKT20, 8FBMKT25, 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						
8FBMKT20, 8FBMKT25	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	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	6
	Load capacity at 500 mm LC	kg	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	1985	1910	1710	1355	2000	2000	1980	1910	1710	1355
8FBMKT25, 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	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	6
	Load capacity at 500 mm LC	kg	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2480	2420	2380	2080	1660	1400	2480	2420	2380	2080	1660	1400
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	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	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



Underclearance		
Mast, load	mm	95
Drive axle, load	mm	125
Steer axle, no load	mm	122
Center of wheelbase, load	mm	115
Counterweight, no load	mm	97

Underclearance at center of wheelbase is 7 mm lower for battery side out model.