



## Electric powered forklift 2.0 t

Truck specifications					8FBE20T
Identification	1.1	Manufacturer			TOYOTA
	1.2	Model			8FBE20T
	1.3	Drive			Electric
	1.4	Operator type			Rider seated
	1.5	Load capacity/rated load	Q	kg	2000
	1.6	Load centre	c	mm	500
	1.8	Load distance, centre of drive axle to fork	x	mm	317
	1.9	Wheelbase	y	mm	1521
	Weight	2.1	Service weight		
2.2		Axle load, with load, front/rear			4746/596
2.3		Axle load, without load, front/rear			1619/1723
Tyres	3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			SE
	3.2	Tyre size, front			200/50-10
	3.3	Tyre size, rear			140/55-9
	3.5	Wheels, number front/rear (x=driven wheels)			2x/2
	3.6	Track width, front	b <sub>10</sub>	mm	925
	3.7	Track width, rear	b <sub>11</sub>	mm	186,2
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	$\alpha/\beta$	deg
4.2		Height, mast lowered	h <sub>1</sub>	mm	2120
4.3		Free lift	h <sub>2</sub>	mm	115
4.4		Lift	h <sub>3</sub>	mm	3265
		Lift height	h <sub>23</sub>	mm	3300
4.5		Height, mast extended	h <sub>4</sub>	mm	3870
4.7		Height of overhead guard (cab)	h <sub>6</sub>	mm	2055
4.8		Seat height/stand height	h <sub>7</sub>	mm	962
4.12		Coupling height	h <sub>10</sub>	mm	543
4.19		Overall length	l <sub>1</sub>	mm	2988
4.20		Length to face of forks	l <sub>2</sub>	mm	1988
4.21		Overall width	b <sub>1</sub>	mm	1152
4.22		Fork dimensions	s/e/ l	mm	35/120/1000
4.23		Fork carriage DIN 15 173, class/type A, B			IIA
4.24		Fork-carriage width	b <sub>3</sub>	mm	920
4.31		Ground clearance, with load, below mast	m <sub>1</sub>	mm	90
4.32		Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	97
4.33		Aisle width for pallets 1000 x 1200 crossways	A <sub>st</sub>	mm	3318
4.34	Aisle width for pallets 800 x 1200 lengthways	A <sub>st</sub>	mm	3440	
4.35	Turning radius	W <sub>a</sub>	mm	1671	
4.36	Internal turning radius	d <sub>13</sub>	mm	0	
Performance data	5.1	Travel speed, with/without load		km/h	16/16
	5.2	Lift speed, with/without load		m/s	0,38/0,54
	5.3	Lowering speed, with/without load		m/s	0,52/0,50
	5.5	Drawbar pull, with/without load		N	4839/5046
	5.6	Max. drawbar pull, with/without load		N	9145/9188
	5.7	Gradeability, with/without load		%	13,2/24,4
	5.8	Max. gradeability, with/without load		%	18,0/24,4
	5.9	Acceleration time, with/without load		s	4,7/4,3
	5.10	Service brake			Hydraulic
	Electric motor	6.1	Drive motor rating S2 60 min		kW
6.2		Lift motor rating S3 15%		kW	11
6.3		Battery acc. to DIN 43 531/35/36 A, B, C, no			43 531A
6.4		Battery voltage, nominal capacity K5		V/Ah	48/660-750
6.5		Battery weight		kg	1013
6.6		Energy consumption to VDI cycle		kWh/h	6,1
Others	8.1	Type of drive control			inverter MOSFET
	8.2	Operating pressure for attachments		bar	183
	8.3	Oil volume for attachments		l/min	41,3
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)	69,7

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

Model			V								FV				FW				FS V						FS W							
8FBE20T	Lift height	$h_{23}$	300	330	350	370	400	450	500	300	330	350	370	300	330	350	370	430	450	470	500	550	600	430	450	470	500	550	600	650	700	750
	Lift	$h_3$	296	326	346	366	396	446	496	296	326	346	366	296	326	346	366	426	446	466	496	546	596	426	446	466	496	546	596	646	696	746
	Height, mast lowered	$h_1$	197	212	222	238	257	282	307	197	212	222	238	200	215	225	235	197	204	212	222	238	257	198	205	215	225	245	260	280	300	320
	Height, mast extended <sup>1)</sup>	$h_4$	357	387	407	427	457	507	557	358	388	408	428	355	385	405	425	484	504	524	554	604	654	484	504	524	554	604	654	704	754	804
	Height, mast extended <sup>2)</sup>	$h_4$	426	456	476	496	526	576	626	426	456	476	496	426	456	476	496	556	576	596	626	676	726	556	576	596	626	676	726	776	826	876
	Free lift, without load backrest	$h_2$	115	115	115	115	115	115	115	142	157	167	183	148	163	173	183	145	152	160	170	186	205	147	154	164	174	194	209	229	249	269
	Free lift, with load backrest	$h_2$	115	115	115	115	115	115	115	745	895	995	115	780	930	103	113	745	815	895	995	115	134	760	830	930	103	123	138	158	178	198

1) Without load backrest

2) With load backrest; Height of standard load backrest is 1220 mm.

Pneumatic shaped cushion tyre			V								FV				FW				FS V						FS W							
8FBE20T	Tilt range, forward	deg	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	Tilt range, backward	deg	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	5	7(5)	7(5)	7(5)	7(5)	7(5)	5	5	5	5	
	Load capacity at 500 mm LC	kg	200	200	200	200	200	195	200	200	200	200	200	200	200	200	200	195	192	190	180	165	155	195	192	190	185	175	155	125	100	80

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



