

# 7FBR20.25.30

## 7FBRS20.25

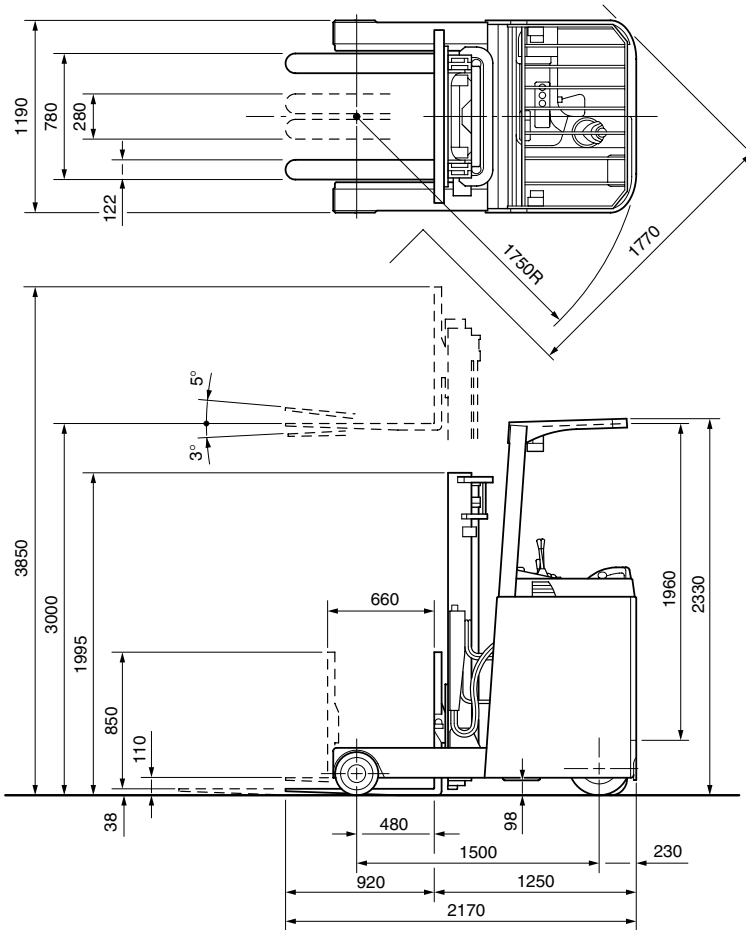
### MAIN VEHICLE SPECIFICATIONS

1	Manufacturer			TOYOTA	TOYOTA	TOYOTA	TOYOTA	TOYOTA	
2	Model			7FBR20	7FBRS20	7FBR25	7FBRS25	7FBR30	
3	Load Capacity		kg	2000	2000	2500	2500	3000	
4	Load Center		mm	500	500	500	500	500	
5	Power Type			Battery	Battery	Battery	Battery	Battery	
6	Operator Position			Stand ON	Stand ON	Stand ON	Stand ON	Stand ON	
7	Tire Type	Front/Rear		Cushion	Cushion	Cushion	Cushion	Cushion	
8	Wheels (x = driven)	Front/Rear		2/1x+2	2/1x+2	2/1x+2	2/1x+2	2/1x+2	
9	Maximum Fork Height (MFH)		mm	3000	4000	3000	4000	3000	
10	Free Lift		mm	110	110	110	110	135	
13	Fork Size	T x W x L	mm	38/122/920	38/122/920	42/122/920	42/122/920	45/122/1070	
	Fork Spread (Outside)	MAX./MIN.	mm	780/280	780/280	780/280	780/280	780/250	
14	Tilt Range	Up/Down	deg	5/3	5/3	5/3	5/3	5/3	
	Overall Length		mm	2170	2170	2190	2190	2390	
15	Length to Fork Face		mm	1250	1250	1270	1270	1320	
	Width Between Reach Legs		mm	815	815	815	815	815	
	Reach Stroke		mm	660	660	840	840	840	
16	Overall Width		mm	1190	1190	1190	1190	1240	
17	Mast Lowered Height		mm	1995	2555	1995	2555	1995	
18	Mast Extended Height		mm	3850	4850	3850	4850	3950	
19	Overhead Guard Height		mm	2330	2330	2330	2330	2330	
21	Turning Radius (Outside)		mm	1750	1750	1950	1950	2000	
22	Load Distance (Centerline of front axle to front face of forks)		mm	480	480	660	660	660	
	Rear Overhang		mm	230	230	230	230	230	
	Right Angle Stacking Aisle Width (With pallets 1100x1100) *		mm	2580	2580	2650	2650	2700	
	Intersecting Aisle Width		mm	1770	1770	1870	1870	1900	
24	Speeds	Travel, Max. (FWD/RVS)	Full Load	km/h	10	10	9.5	9.5	9
			No Load	km/h	11.5	11.5	11.5	11.5	11
		Lifting	Full Load	mm/sec	300	300	280	280	220
			No Load	mm/sec	500	500	500	500	420
26	Lowering	Full Load	mm/sec	500	500	500	500	500	
		No Load	mm/sec	450	450	450	450	450	
27	Traction	Full Load/ No Load	3-Minute Ratings	N	9700/10000	9700/10000	9600/10000	9600/10000	9500/10000
			5-Minute Ratings	N	9700/10000	9700/10000	9600/10000	9600/10000	9500/10000
			60-Minute Ratings	N	2600/3000	2600/2900	2500/2900	2500/2900	2400/2900
29	Gradeability **	Full Load/ No Load	3-Minute Ratings	% (tanθ)	17/30	17/30	15/28	15/28	13/26
			5-Minute Ratings	% (tanθ)	17/30	17/30	15/28	15/28	13/26
			60-Minute Ratings	% (tanθ)	6/12	5/11	5/11	4/10	4/9
32	Total Weight	Without Battery	kg	1880	2310	2270	2335	2540	
33	Weight Distribution (With STD Battery)	Full Load	Front	kg	4120	4220	4710	4800	5600
		Rear	kg	620	680	650	720	650	
34	No Load (No Reach)	Front	kg	930	990	890	950	1060	
		Rear	kg	1810	1910	1970	2070	2190	
35	Tires	Number	Front/Rear	2/1x+2	2/1x+2	2/1x+2	2/1x+2	2/1x+2	
36	Tires	Front, Load		267x127	267x127	267x127	267x127	267x127	
37		Size	Rear, Drive	380x145	380x145	380x145	380x145	380x145	
		Rear, Caster	204x76	204x76	204x76	204x76	204x76		
38	Wheelbase		mm	1500	1500	1700	1700	1750	
39	Tread	Front	mm	1065	1065	1065	1065	1090	
		Rear	mm	690	690	690	690	690	
	Backrest Height		mm	850	850	850	850	950	
	Overhead Guard Clearance		mm	1960	1960	1960	1960	1960	
	Floor Height		mm	325	325	325	325	325	
40	Underclearance ***	Min. <Suspension>	mm	70 (No Load)	70 (No Load)	70 (Full Load)	70 (Full Load)	70 (Full Load)	
41		Center of Wheelbase	mm	98 (No Load)	98 (No Load)	98 (Full Load)	98 (Full Load)	98 (Full Load)	
42	Brake	Front		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	
		Service (Foot)		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	
		Parking		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	
45	Battery	Voltage/Capacity (5-hour ratings)	STD	V/AH	48/320	48/320	48/320	48/390	
		High	V/AH	48/435	48/435	48/435	48/435	—	
46		Weight (STD Capacity Type)	kg	590	590	590	685	710	
47		Drive	kW	5.2	5.2	5.2	5.2	5.2	
48	Electric Motors	Load Handling	kW	11	11	11	11	11	
		Power Steering	kW	0.35	0.35	0.35	0.35	0.35	
54	Control Type	Drive		Transistor inverter	Transistor inverter	Transistor inverter	Transistor inverter	Transistor inverter	
		Load Handling		Transistor chopper	Transistor chopper	Transistor chopper	Transistor chopper	Transistor chopper	
		Power Steering		Transistor chopper	Transistor chopper	Transistor chopper	Transistor chopper	Transistor chopper	
57	Operating Pressure	For Attachments	MPa (psi)	18.1 (2600)	18.1 (2600)	18.1 (2600)	18.1 (2600)	18.1 (2600)	

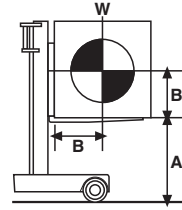
NOTE: \* Safety clearance of 200 mm not included (general application). \*\* Computed values.  
 \*\*\* The underclearance value is valid under the following conditions: no reach, 500 mm load center and the suspension spring in correct adjustment. Underclearance will be increased slightly under the full reach condition.

**DIMENSIONAL DRAWINGS**  
7FBR20

Unit: mm



**RATED CAPACITIES**  
7FBR20



**A:** Max. Fork Height  
**B:** Load Center  
**W:** Capacity

**V, SV, FV Mast** Unit: kg (W)

A (mm)	4000	4500	5000
500	2000	1900	1800
600	1740	1660	1570
700	1550	1470	1390
800	1390	1320	1250
<b>B (mm)</b>			
900	1260	1200	1130
1000	1150	1090	1040
1100	1060	1010	960
1200	990	940	890
1300	920	870	830

**REACH LEGS HEIGHT**

7FBR20 ..... 283

**UNDERCLEARANCE**

Center of Wheelbase (No Load) ..... 98  
Rear Frame (No Load) ..... 90

**SPECIAL MAST**

Wide Visible Mast (SV), Wide Visible Full-Free Lift Two-Stage Mast (FV)

Model				7FBR20	
Type of Mast				SV	FV
<b>PERFORMANCE</b>					
Speeds	Lifting	Full Load	mm/sec	300	280
		No Load	mm/sec	500	450
	Lowering	Full Load	mm/sec	500	480
		No Load	mm/sec	450	400
Reach Stroke		mm	660	545	
<b>DIMENSIONS</b>					
Load Distance (Centerline of front axle to front face of forks)		mm	480	365	
Overall Length (to Top of Forks)		mm	2170	2285	
Overall Width		mm	1190	1190	
Turning Radius (Outside)		mm	1750	1750	
Intersecting Aisle Width		mm	1770	1770	