

8FB10

8FBH10

MAIN VEHICLE SPECIFICATIONS

(September 2016)

1	Manufacturer			TOYOTA	TOYOTA
2	Model			8FB10	8FBH10
3	Load Capacity		kg	1000	1000
4	Load Center		mm	500	500
5	Power Type			Battery	Battery
6	Operator Position			Rider Seated	Rider Seated
7	Tire Type		Front/Rear	Pneumatic	Pneumatic
8	Wheels (x = driven)		Front/Rear	2x/2	2x/2
9	Maximum Fork Height (MFH)		mm	3000	3000
10	Free Lift		mm	140	140
13	Fork Size		L x W x T	1070/100/30	1070/100/30
	Lateral Fork Adjustment		MAX./MIN.	920/200	920/200
14	Tilt Range		FWD/BWD	7/11	7/11
15	Length to Fork Face		mm	2075	2075
16	Overall Width		mm	1060	1060
17	Mast Lowered Height		mm	1970	1970
18	Mast Extended Height		mm	4220	4220
19	Overhead Guard Height		mm	2025	2105
21	Turning Radius (Outside)		mm	1750	1750
22	Load Distance (Centerline of front axle to front face of forks)		mm	400	400
	Rear Overhang		mm	265	265
23	Basic Right Angle Stacking Aisle Width (Add load length and clearance)		mm	2150	2150
	Intersecting Aisle Width		mm	1705	1705
24	Travel, Max. (FWD/RVS)	Full Load	km/h	14.5/14.5	14.5/14.5
		No Load	km/h	17.0/17.0	17.0/17.0
25	Speeds *	Lifting	Full Load	mm/sec	470
		No Load	mm/sec	650	650
26	Lowering	Full Load	mm/sec	500	500
		No Load	mm/sec	550	550
27	Drawbar Pull *	Full Load/ No Load	3-Minute Ratings	N (kg)	9260/8650 (940/880)
			5-Minute Ratings	N (kg)	9260/8650(940/880)
			60-Minute Ratings	N (kg)	2750/2750(280/280)
29	Gradeability *	Full Load/ No Load	3-Minute Ratings	% (tanθ)	26/26
			5-Minute Ratings	% (tanθ)	26/26
			30-Minute Ratings	% (tanθ)	14/19
32	Total Weight		Without Battery	kg	1940
33	Weight Distribution (With STD Battery)	Full Load	Front	kg	2950
			Rear	kg	570
34		No Load	Front	kg	1310
			Rear	kg	1210
35	Number		Front/Rear		2/2
36	Tires	Front			6.00-9-10-PR (I)
37		Size			5.00-8-8PR (I)
38	Wheelbase		mm	1410	1410
39	Tread		Front	mm	885
			Rear	mm	895
	Backrest Height		mm	1220	1220
	Overhead Guard Clearance		mm	1035	1035
	Counterweight Height		mm	1105	1140
	Drawbar Height		mm	430	430
	Step Height/Floor Height		mm	430/615	430/695
40	Underclearance	Mast (Full Load)		mm	75
41		Center of Wheelbase (Full Load)		mm	85
		Drive Axle (Full Load)		mm	75
		Steer Axle (No Load)		mm	125
		Counterweight (No Load)		mm	120
		Minimum Under Clearance (Full Load)		mm	75(Mast)
	Grade Clearance		Frame	% (tanθ)	27
			Counterweight	% (tanθ)	65
42	Brake		Service (Foot)		Hydraulic
43			Parking		Hand
45	Battery	Voltage/Capacity	STD	V/AH	48/330
		(5-hour rating)	High	V/AH	48/485
46	Weight (STD Capacity Type)		kg	580	845
47	Drive		kW	7.6	7.6
48	Electric Motors	Load Handling		kW	9.5
		Energy Consumption According to VDI Cycle **		kWh/h	3.6
54	Control Type		Drive		Trasistor inverter
			Load Handling		Trasistor inverter
57	Operating Pressure		For Attachments	Mpa (psi)	11.8 (1700)

Sound level at the driver's ear according to EN12053 Uncertainty 4dB(A)	dB(A)	-	-
Vibration in accordance with in EN13059	m/s ²	-	-

NOTE: * Computed values.

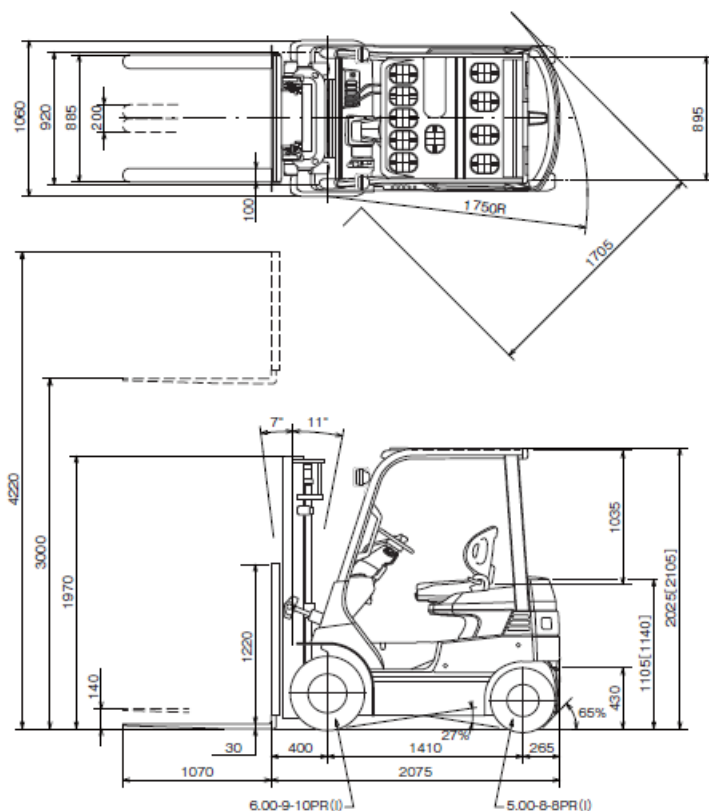
** 60 VDI Work Cycles/h with Tested Load of 1000 kg.

DIMENSIONAL DRAWINGS

(September 2016)

Unit: mm

8FB10/8FBH10



UNDERCLEARANCE

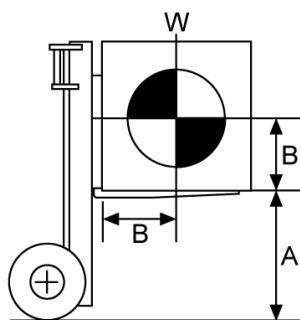
Mast (Full Load)-----	75
Center of Wheelbase (Full Load)-----	85
Drive Axle (Full Load)-----	75
Steer Axle (No Load)-----	125
Counterweight (No Load)-----	120
Minimum Underclearance (Full Load)---	75(Mast)

Note: [] for 8FBH10

RATED CAPACITIES

(September 2016)

8FB10/8FBH10



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

V, FV Mast

Unit: kg (W)

A (mm)	3000	3300	3500	3700	4000	4500	5000
B (mm)	500	1000	1000	1000	1000	1000	950 <1000>
	600	900	900	900	900	900	850 <900>
	700	810	810	810	810	810	770 <810>
	800	750	750	750	750	750	710 <750>
	900	690	690	690	690	690	650 <690>
	1000	640	640	640	640	640	610 <640>
	1100	600	600	600	600	600	570 <600>
	1200	560	560	560	560	560	530 <560>

FSV Mast

Unit: kg (W)

A (mm)	3700	4000	4300	4500	4700	5000	5500	6000
B (mm)	500	950	900	900	900	900	850	750 <850> 600 <800>
	600	850	810	810	810	810	760	670 <760> 540 <720>
	700	780	730	730	730	730	690	610 <690> 490 <650>
	800	710	670	670	670	670	640	560 <640> 450 <600>
	900	660	620	620	620	620	590	520 <590> 410 <550>
	1000	610	580	580	580	580	550	480 <550> 380 <510>
	1100	570	540	540	540	540	510	450 <510> 360 <480>
	1200	530	510	510	510	510	480	420 <480> 340 <450>

NOTE: <> for dual tire models.

SPECIAL TREAD

(September 2016)

Model		8FB10/8FBH10			
Front Tire	Single/Dual	Single	Single	Dual	Dual
Front Tire Size		6.00-9-10PR (I)	6.50-10-12PR (I)	4.50-12-8PR (I)	6.00-9-10PR (I)
Overall Width	mm	1060	1070	1295	1435
Tread, Front	mm	885	895	1010	1085

SPECIAL MAST

(September 2016)

Wide Visible Mast (V), Wide Visible Full-Free Lift Two-Stage Mast (FV), Wide Visible Full-Free Lift Three-Stage Mast (FSV)

Model		8FB10/8FBH10													
Type of Mast		V				FV				FSV					
PERFORMANCE															
Power Mode		H	P	S	E	H	P	S	E	H	P	S	E		
Speeds	Lifting	Full Load	mm/sec	470	360	360	325	430	330	330	310	430	330	330	310
		No Load	mm/sec	650	560	560	535	590	510	510	485	590	510	510	485
	Lowering	Full Load	mm/sec	500	500	500	500	480	480	480	480	480	480	480	480
		No Load	mm/sec	550	550	550	550	420	420	420	420	450	450	450	450

DIMENSIONS

Load Distance (Centerline of front axle to front face of forks)	mm	400	400	420
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NOTE: H High power mode / P Power mode / S Standard mode / E Eco mode

MAST SPECIFICATIONS & RATED CAPACITIES

(November 2017)

Wide Visible Mast (V), Wide Visible Full-Free Lift Two-Stage Mast (FV), Wide Visible Full-Free Lift Three-Stage Mast (FSV)

8FB10/8FBH10

Mast Type	Maximum Fork Height	Overall Height			Free Lift		Single Tire			Dual Tire		
		* Lowered	Extended		Without Load Backrest	With Standard Load Backrest	Tilt Range		Load Capacity at 500 mm LC	Tilt Range		Load Capacity at 500 mm LC
			Without Load Backrest	With Standard Load Backrest			FWD	BWD		FWD	BWD	
mm	mm	mm	mm	mm	mm	deg	deg	kg	deg	deg	kg	
V	2500	1720	3110	3720	140	140	7	11	1000	7	11	1000
	2700	1820	3310	3920	140	140	7	11	1000	7	11	1000
	3000	1970	3610	4220	140	140	7	11	1000	7	11	1000
	3300	2120	3910	4520	140	140	7	11	1000	7	11	1000
	3500	2220	4110	4720	140	140	7	11	1000	7	11	1000
	3700	2380	4310	4920	140	140	7	11	1000	7	11	1000
	4000	2570	4610	5220	140	140	7	11	1000	7	11	1000
	4500	2820	5110	5720	140	140	7	5	1000	7	5	1000
	5000	3070	5610	6220	140	140	7	5	950	7	5	1000
FV	3000	1970	3570	4220	1400*	750*	7	11	1000	7	11	1000
	3300	2120	3870	4520	1550*	900*	7	11	1000	7	11	1000
	3500	2220	4070	4720	1650*	1000*	7	11	1000	7	11	1000
	3700	2380	4270	4920	1810*	1160*	7	11	1000	7	11	1000
	4000	2570	4570	5220	2000*	1350*	7	11	1000	7	11	1000
FSV	3700	1770	4245	4920	1230*	550*	7	5	950	7	5	950
	4000	1870	4545	5220	1330*	650*	7	5	900	7	5	900
	4300	1970	4845	5520	1430*	750*	7	5	900	7	5	900
	4500	2040	5045	5720	1500*	820*	7	5	900	7	5	900
	4700	2120	5245	5920	1580*	900*	7	5	900	7	5	900
	5000	2220	5545	6220	1680*	1000*	7	5	850	7	5	850
	5500	2380	6045	6720	1840*	1160*	7	5	750	7	5	850
	6000	2570	6545	7220	2030*	1350*	7	5	600	7	5	800

NOTE: Height of standard load backrest is 1220 mm.

* with optional tire size ; 6.50-10-12PR (I), plus 25 mm.