

8FB15

8FBH15

MAIN VEHICLE SPECIFICATIONS

(September 2016)

1	Manufacturer			TOYOTA	TOYOTA
2	Model			8FB15	8FBH15
3	Load Capacity		kg	1500	1500
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	145	145
13	Fork Size		L x W x T	1070/100/35	1070/100/35
	Lateral Fork Adjustment		MAX./MIN.	920/200	920/200
14	Tilt Range		FWD/BWD	7/11	7/11
15	Length to Fork Face		mm	2080	2080
16	Overall Width		mm	1115	1115
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	1770	1770
22	Load Distance (Centerline of front axle to front face of forks)		mm	405	405
	Rear Overhang		mm	265	265
23	Basic Right Angle Stacking Aisle Width (Add load length and clearance)		mm	2175	2175
	Intersecting Aisle Width		mm	1760	1760
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	420
		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)	9150/8620 (930/870)
			5-Minute Ratings	N (kg)	9150/8620 (930/870)
			60-Minute Ratings	N (kg)	2750/2750 (280/280)
29	Gradeability *	Full Load/ No Load	3-Minute Ratings	% (tan θ)	20/25
			5-Minute Ratings	% (tan θ)	20/25
			30-Minute Ratings	% (tan θ)	12/19
32	Total Weight		Without Battery	kg	2060
33	Weight Distribution (With STD Battery)	Full Load	Front	kg	3790
			Rear	kg	450
34		No Load	Front	kg	1330
			Rear	kg	1410
35	Number		Front/Rear	2/2	2/2
36	Tires	Front		6.00-9-10-PR (I)	6.00-9-10-PR (I)
37		Size	Rear		5.00-8-8PR (I)
38	Wheelbase		mm	1410	1410
39	Tread		Front	mm	960
			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	65
41		Center of Wheelbase (Full Load)		mm	85
		Drive Axle (Full Load)		mm	65
		Steer Axle (No Load)		mm	125
		Counterweight (No Load)		mm	120
		Minimum Under Clearance (Full Load)		mm	65(Mast)
	Grade Clearance		Frame	% (tan θ)	27
			Counterweight	% (tan θ)	65
42	Brake		Service (Foot)		Hydraulic
43			Parking		Hand
45	Battery	Voltage/Capacity	STD	V/AH	48/400
		(5-hour rating)	High	V/AH	48/485
46	Weight (STD Capacity Type)		kg	680	845
47	Drive		kW	7.6	7.6
48	Electric Motors	Load Handling		kW	9.5
		Energy Consumption According to VDI Cycle **		kWh/h	3.9
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)	68	68
Vibration in accordance with in EN13059	m/s ²	1.5	1.5

NOTE: * Computed values.

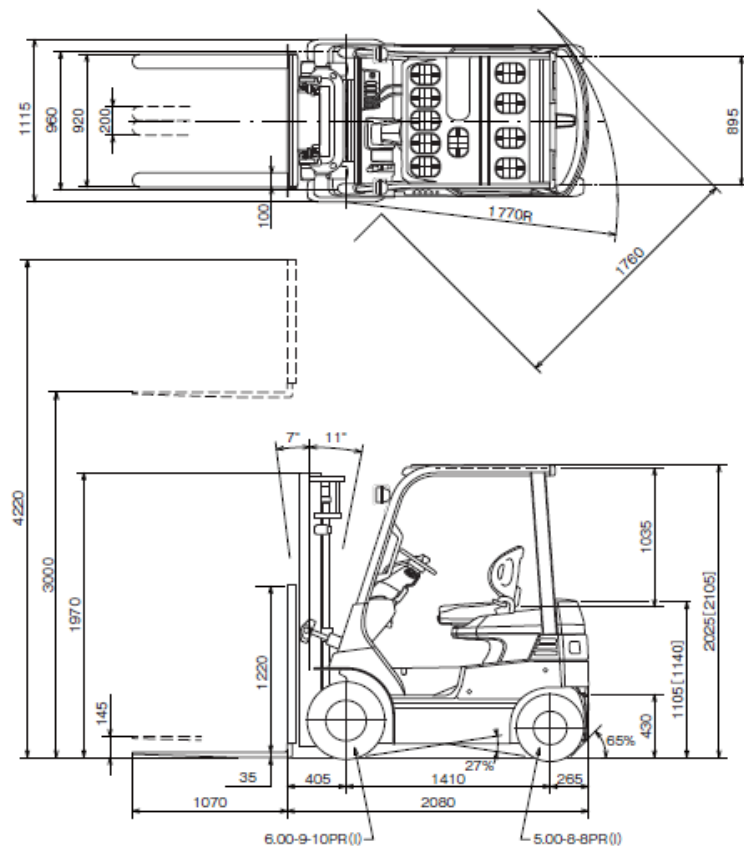
** 60 VDI circles/h with Tested Load of 1500 kg.

DIMENSIONAL DRAWINGS

(September 2016)

Unit: mm

8FB15/8FBH15



UNDERCLEARANCE

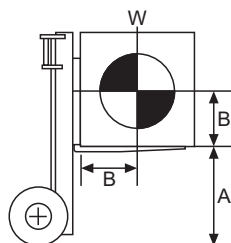
Mast (Full Load)-----	65
Center of Wheelbase (Full Load)-----	85
Drive Axle (Full Load)-----	65
Steer Axle (No Load)-----	125
Counterweight (No Load)-----	120
Minimum Underclearance (Full Load)---	65(Mast)

NOTE: [] for 8FBH15

RATED CAPACITIES

(September 2016)

8FB15/8FBH15



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	1500	1500	1500	1500	1500	1450
	600	1350	1350	1350	1350	1350	1300
	700	1220	1220	1220	1220	1220	1180
	800	1120	1120	1120	1120	1120	1080
	900	1040	1040	1040	1040	1040	1000
	1000	960	960	960	960	960	930
	1100	900	900	900	900	900	870
	1200	840	840	840	840	840	810

FSV Mast

Unit: kg (W)

A (mm)	3700	4000	4300	4500	4700	5000	5500	6000	
B (mm)	500	1400	1400	1400	1350	1350	1200 <1300>	1100 <1250>	900 <1100>
	600	1260	1260	1260	1210	1210	1080 <1170>	990 <1120>	810 <990>
	700	1150	1150	1150	1100	1100	980 <1060>	900 <1020>	730 <900>
	800	1050	1050	1050	1010	1010	900 <980>	830 <940>	670 <830>
	900	970	970	970	940	940	830 <900>	760 <870>	620 <760>
	1000	900	900	900	870	870	770 <840>	710 <810>	580 <710>
	1100	840	840	840	810	810	720 <780>	660 <750>	540 <660>
	1200	790	790	790	760	760	680 <730>	620 <710>	510 <620>

NOTE: <> for dual tire models.

SPECIAL TREAD

(September 2016)

Model		8FB15/8FBH15				
Front Tire	Single/Dual	Single	Single	Single	Dual	Dual
Front Tire Size		6.00-9-10PR (I)	21x8-9-10PR (I)	6.50-10-12PR (I)	4.50-12-8PR (I)	6.00-9-10PR (I)
Overall Width	mm	1115	1115	1115	1295	1435
Tread, Front	mm	960	920	940	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		8FB15/8FBH15													
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	420	320	320	300	390	300	300	260	390	300	300	260
		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	405				405				425				

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)

8FB15/8FBH15

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	3105	3720	145	145	7	11	1500	7	11	1500
	2700	1820	3305	3920	145	145	7	11	1500	7	11	1500
	3000	1970	3605	4220	145	145	7	11	1500	7	11	1500
	3300	2120	3905	4520	145	145	7	11	1500	7	11	1500
	3500	2220	4105	4720	145	145	7	11	1500	7	11	1500
	3700	2380	4305	4920	145	145	7	11	1500	7	11	1500
	4000	2570	4605	5220	145	145	7	11	1500	7	11	1500
	4500	2820	5105	5720	145	145	7	5	1450	7	5	1450
	5000	3070	5605	6220	145	145	7	5	1350	7	5	1400
FV	3000	1970	3565	4220	1405*	750*	7	11	1500	7	11	1500
	3300	2120	3865	4520	1555*	900*	7	11	1500	7	11	1500
	3500	2220	4065	4720	1655*	1000*	7	11	1500	7	11	1500
	3700	2380	4265	4920	1815*	1160*	7	11	1500	7	11	1500
	4000	2570	4565	5220	2005*	1350*	7	11	1500	7	11	1500
FSV	3700	1770	4240	4920	1235*	550*	7	5	1400	7	5	1400
	4000	1870	4540	5220	1335*	650*	7	5	1400	7	5	1400
	4300	1970	4840	5520	1435*	750*	7	5	1400	7	5	1400
	4500	2040	5040	5720	1505*	820*	7	5	1350	7	5	1350
	4700	2120	5240	5920	1585*	900*	7	5	1350	7	5	1350
	5000	2220	5540	6220	1685*	1000*	7	5	1200	7	5	1300
	5500	2380	6040	6720	1845*	1160*	7	5	1100	7	5	1250
	6000	2570	6540	7220	2035*	1350*	7	5	900	7	5	1100

NOTE: Height of standard load backrest is 1220 mm.

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