

40-8FB15

MAIN VEHICLE SPECIFICATIONS

(September 2016)

1	Manufacturer			TOYOTA	
2	Model			40-8FB15	
3	Load Capacity	kg		1500	
4	Load Center	mm		500	
5	Power Type			Battery	
6	Operator Position			Rider Seated	
7	Tire Type	Front/Rear		Pneumatic	
8	Wheels (x = driven)	Front/Rear		2x/2	
9	Maximum Fork Height (MFH)	mm		3000	
10	Free Lift	mm		125	
13	Fork Size	L x W x T	mm	1070/100/35	
	Fork Spread (Outside)	MAX./MIN.	mm	920/200	
14	Tilt Range	FWD/BWD	deg	7/11	
15	Length to Fork Face		mm	2215	
16	Overall Width		mm	1160	
17	Mast Lowered Height		mm	1975	
18	Mast Extended Height		mm	4220	
19	Overhead Guard Height		mm	2105	
21	Turning Radius (Outside)		mm	1980	
22	Load Distance (Centerline of front axle to front face of forks)		mm	415	
	Rear Overhang		mm	300	
23	Basic Right Angle Stacking Aisle Width (Add load length and clearance)		mm	2395	
	Intersecting Aisle Width		mm	1825	
24	Speeds *	Travel, Max. (FWD/RVS)	Full Load	km/h	14.0/14.0
			No Load	km/h	16.0/16.0
		Lifting	Full Load	mm/sec	380
			No Load	mm/sec	600
26	Lowering	Full Load	mm/sec	500	
		No Load	mm/sec	500	
27	Drawbar Pull *	Full Load/ No Load	3-Minute Ratings	N (kg)	11330/10640 (1150/1080)
			5-Minute Ratings	N (kg)	11330/10640 (1150/1080)
			60-Minute Ratings	N (kg)	4710/4900 (480/500)
29	Gradeability *	Full Load/ No Load	3-Minute Ratings	% (tanθ)	24/25
			5-Minute Ratings	% (tanθ)	24/25
			30-Minute Ratings	% (tanθ)	17/25
32	Total Weight	Without Battery	kg	2465	
33	Weight Distribution (With STD Battery)	Full Load	Front	kg	4060
			Rear	kg	860
34		No Load	Front	kg	1650
			Rear	kg	1770
35	Number	Front/Rear		2/2	
36	Tires	Front		21X8-9-14PR (I)	
37		Size	Rear		18X7-8-14PR (I)
38	Wheelbase		mm	1500	
39	Tread	Front	mm	970	
		Rear	mm	940	
	Backrest Height			1220	
	Overhead Guard Clearance			1035	
	Counterweight Height			1135	
	Drawbar Height			280	
	Step Height/Floor Height			435/700	
40	Underclearance	Mast (Full Load)	mm	75	
41		Center of Wheelbase (Full Load)	mm	90	
		Drive Axle (Full Load)	mm	75	
		Steer Axle (No Load)	mm	120	
		Counterweight (No Load)	mm	115	
		Minimum Under Clearance (Full Load)	mm	75(Mast)	
	Grade Clearance	Frame	% (tanθ)	25	
		Counterweight	% (tanθ)	63	
42	Brake	Service (Foot)		Hydraulic	
43		Parking		Hand	
45	Battery	Voltage/Capacity (5-hour rating)	STD	V/AH	48/600
		High	V/AH	48/730	
46	Weight (STD Capacity Type)		kg	955	
47	Drive		kW	10.7	
48	Electric Motors	Load Handling	kW	12.2	
		Energy Consumption According to VDI Cycle **	kWh/h	4.3	
54	Control Type	Drive		Transistor inverter	
		Load Handling		Transistor inverter	
57	Operating Pressure	For Attachments	Mpa (psi)	14.7 (2100)	
	Sound level at the driver's ear according to EN12053 Uncertainty 4dB(A)		dB (A)	-	

Vibration in accordance with in EN13059

m/s²

-

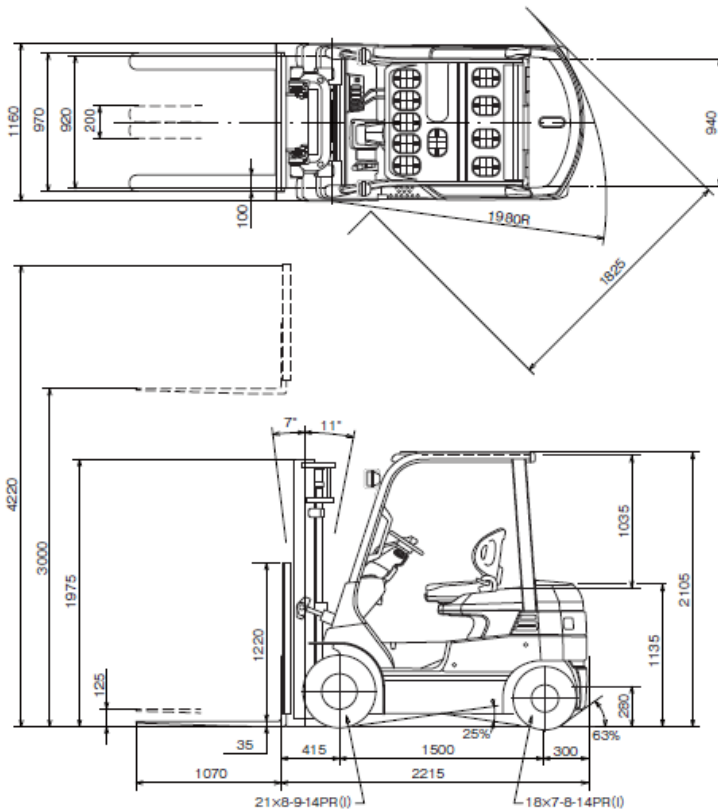
NOTE: * Computed values.

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

DIMENSIONAL DRAWINGS

(September 2016)

Unit: mm

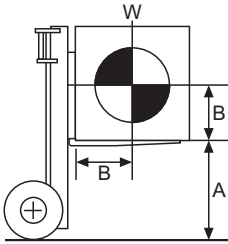
40-8FB15**UNDERCLEARANCE**

Mast (Full Load)-----	75
Center of Wheelbase (Full Load)-----	90
Drive Axle (Full Load)-----	75
Steer Axle (No Load)-----	120
Counterweight (No Load)-----	115
Minimum Underclearance (Full Load)---	75(Mast)

RATED CAPACITIES

(September 2016)

40-8FB15



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	1350 <1400>
	600	1350	1350	1350	1350	1350	1300	1210 <1260>
	700	1230	1230	1230	1230	1230	1190	1100 <1140>
	800	1120	1120	1120	1120	1120	1090	1010 <1050>
	900	1040	1040	1040	1040	1040	1000	930 <970>
	1000	970	970	970	970	970	930	870 <900>
	1100	900	900	900	900	900	870	810 <840>
	1200	850	850	850	850	850	820	760 <790>

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	1220	1220	1080 <1170>	990 <1130>	810 <990>
	700	1150	1150	1150	1110	1110	990 <1070>	900 <1030>	740 <900>
	800	1060	1060	1060	1020	1020	910 <980>	830 <940>	680 <830>
	900	980	980	980	940	940	840 <910>	770 <870>	630 <770>
	1000	910	910	910	880	880	780 <840>	710 <810>	580 <710>
	1100	850	850	850	820	820	730 <790>	670 <760>	550 <670>
	1200	800	800	800	770	770	680 <740>	630 <710>	510 <630>

NOTE: <> for dual tire models.

SPECIAL TREAD

(September 2016)

Model		40-8FB15		
Front Tire	Single/Dual	Single	Single	Dual
Front Tire Size		21x8-9-14PR (I)	23x9-10-16PR (I)	6.00-9-10PR (I)
Overall Width	mm	1160	1220	1480
Tread, Front	mm	970	990	1130

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		40-8FB15																
Type of Mast		V				FV				FSV								
PERFORMANCE																		
Power Mode		H	P	S	E	H	P	S	E	H	P	S	E	H	P	S	E	
Speeds	Lifting	Full Load	mm/sec	380	280	280	255	390	280	280	270	390	280	280	280	280	280	270
		No Load	mm/sec	600	500	500	465	570	480	480	440	570	480	480	440	480	480	440
	Lowering	Full Load	mm/sec	500	500	500	500	480	480	480	480	480	480	480	480	480	480	480
		No Load	mm/sec	500	500	500	500	420	420	420	420	450	450	450	450	450	450	450
DIMENSIONS																		
Load Distance (Centerline of front axle to front face of forks)		mm	415				415				445							

NOTE: H High power mode / P Power mode / S Standard mode / E Eco mode

MAST SPECIFICATIONS & RATED CAPACITIES

(September 2016)

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

40-8FB15

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	1725	3170	3720	125	125	7	11	1500	7	11	1500	
	2700	1825	3370	3920	125	125	7	11	1500	7	11	1500	
	3000	1975	3670	4220	125	125	7	11	1500	7	11	1500	
	3300	2125	3970	4520	125	125	7	11	1500	7	11	1500	
	3500	2225	4170	4720	125	125	7	11	1500	7	11	1500	
	3700	2385	4370	4920	125	125	7	11	1500	7	11	1500	
	4000	2575	4670	5220	125	125	7	11	1500	7	11	1500	
	4500	2825	5170	5720	125	125	7	5	1450	7	5	1450	
	5000	3075	5670	6220	125	125	7	5	1350	7	5	1400	
FV	3000	1975	3605	4220	1370*	755*	7	11	1500	7	11	1500	
	3300	2125	3905	4520	1520*	905*	7	11	1500	7	11	1500	
	3500	2225	4105	4720	1620*	1005*	7	11	1500	7	11	1500	
	3700	2385	4305	4920	1780*	1165*	7	11	1500	7	11	1500	
	4000	2575	4605	5220	1970*	1355*	7	11	1500	7	11	1500	
FSV	3700	1775	4345	4920	1130*	555*	7	5	1400	7	5	1400	
	4000	1875	4645	5220	1230*	655*	7	5	1400	7	5	1400	
	4300	1975	4945	5520	1330*	755*	7	5	1400	7	5	1400	
	4500	2045	5145	5720	1400*	825*	7	5	1350	7	5	1350	
	4700	2125	5345	5920	1480*	905*	7	5	1350	7	5	1350	
	5000	2225	5645	6220	1580*	1005*	7	5	1200	7	5	1300	
	5500	2385	6145	6720	1740*	1165*	7	5	1100	7	5	1250	
	6000	2575	6645	7220	1930*	1355*	7	5	900	7	5	1100	

NOTE: Height of standard load backrest is 1220 mm.

* with optional tire size ; 23x9-10-16PR (I), plus 20 mm.