

40-8FB25

MAIN VEHICLE SPECIFICATIONS

(September 2016)

1	Manufacturer				TOYOTA
2	Model				40-8FB25
3	Load Capacity			kg	2500
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	155
13	Fork Size	L x W x T		mm	1070/120/40
	Fork Spread (Outside)	MAX./MIN.		mm	1020/240
14	Tilt Range	FWD/BWD		deg	6/11
15	Length to Fork Face			mm	2435
16	Overall Width			mm	1230
17	Mast Lowered Height			mm	1995
18	Mast Extended Height			mm	4220
19	Overhead Guard Height			mm	2160
21	Turning Radius (Outside)			mm	2170
22	Load Distance (Centerline of front axle to front face of forks)			mm	475
	Rear Overhang			mm	310
23	Basic Right Angle Stacking Aisle Width (Add load length and clearance)			mm	2640
	Intersecting Aisle Width			mm	1915
24	Speeds *	Travel, Max. (FWD/RVS)	Full Load	km/h	14.5/14.5
No Load			km/h	15.5/15.5	
25		Lifting	Full Load	mm/sec	340
			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)	12890/12010 (1310/1220)
			5-Minute Ratings	N (kg)	12890/12010 (1310/1220)
			60-Minute Ratings	N (kg)	5200/5300 (530/540)
29	Gradeability *	Full Load/ No Load	3-Minute Ratings	% (tanθ)	20/24
			5-Minute Ratings	% (tanθ)	20/24
			30-Minute Ratings	% (tanθ)	13/20
32	Total Weight	Without Battery		kg	3000
33	Weight Distribution (With STD Battery)	Full Load	Front	kg	6020
			Rear	kg	800
34		No Load	Front	kg	2040
			Rear	kg	2280
35	Tires	Number	Front/Rear		2/2
36		Size	Front		7.00-12-12PR (I)
37			Rear		6.00-9-10PR (I)
38	Wheelbase		mm		1650
39	Tread	Front	mm		960
		Rear	mm		965
	Backrest Height				1220
	Overhead Guard Clearance				1035
	Counterweight Height				1195
	Drawbar Height				505
	Step Height/Floor Height				490/755
40	Underclearance	Mast (Full Load)		mm	75
41		Center of Wheelbase (Full Load)		mm	110
		Drive Axle (Full Load)		mm	115
		Steer Axle (No Load)		mm	150
		Counterweight (No Load)		mm	160
		Minimum Under Clearance (Full Load)		mm	75(Mast)
	Grade Clearance	Frame	% (tanθ)		29
		Counterweight	% (tanθ)		96
42	Brake	Service (Foot)			Hydraulic
43		Parking			Hand
45	Battery	Voltage/Capacity (5-hour rating)	STD	V/AH	48/845
			High	V/AH	-
46	Electric Motors	Weight (STD Capacity Type)		kg	1320
47		Drive		kW	10.7
48		Load Handling		kW	12.2
		Energy Consumption According to VDI Cycle **		kWh/h	4.6
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

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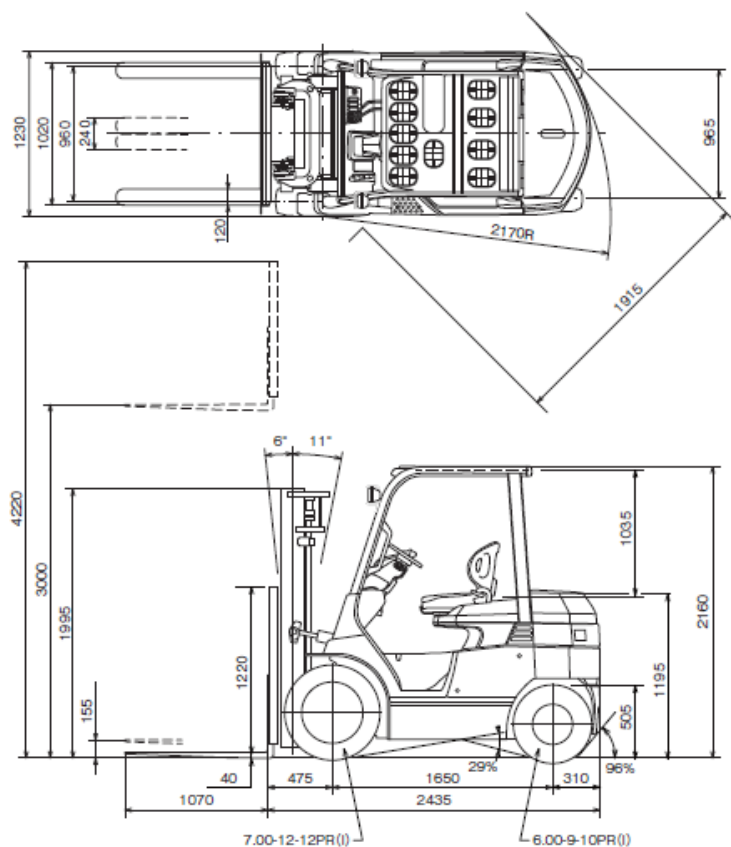
NOTE: * Computed values.

** 60 VDI circles/h with Tested Load of 2500 kg.

DIMENSIONAL DRAWINGS

(September 2016)

Unit: mm

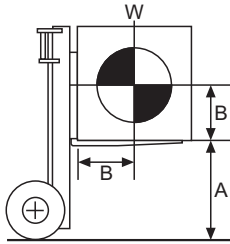
40-8FB25**UNDERCLEARANCE**

Mast (Full Load)-----	75
Center of Wheelbase (Full Load)-----	110
Drive Axle (Full Load)-----	115
Steer Axle (No Load)-----	150
Counterweight (No Load)-----	160
Minimum Underclearance (Full Load)---	75(Mast)

RATED CAPACITIES

(September 2016)

40-8FB25



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	2500	2500	2500	2500	2500	2300 <2450>	1800 <2350>
	600	2260	2260	2260	2260	2260	2080 <2220>	1630 <2130>
	700	2070	2070	2070	2070	2070	1900 <2030>	1490 <1940>
	800	1910	1910	1910	1910	1910	1750 <1870>	1370 <1790>
	900	1770	1770	1770	1770	1770	1620 <1730>	1270 <1660>
	1000	1650	1650	1650	1650	1650	1510 <1610>	1180 <1550>
	1100	1540	1540	1540	1540	1540	1420 <1510>	1110 <1450>
	1200	1450	1450	1450	1450	1450	1330 <1420>	1040 <1360>
	1300	1370	1370	1370	1370	1370	1260 <1340>	980 <1280>

FSV Mast

Unit: kg (W)

A (mm)		3700	4000	4300	4500	4700	5000	5500	6000
B (mm)	500	2400	2400	2300 <2400>	2050 <2300>	2050 <2300>	1650 <2200>	1250 <2000>	1000 <1550>
	600	2170	2170	2080 <2170>	1860 <2080>	1860 <2080>	1490 <1990>	1130 <1810>	900 <1400>
	700	1990	1990	1910 <1990>	1700 <1910>	1700 <1910>	1370 <1830>	1030 <1660>	830 <1280>
	800	1840	1840	1760 <1840>	1570 <1760>	1570 <1760>	1260 <1680>	950 <1530>	760 <1180>
	900	1700	1700	1630 <1700>	1460 <1630>	1460 <1630>	1170 <1560>	890 <1420>	710 <1100>
	1000	1590	1590	1520 <1590>	1360 <1520>	1360 <1520>	1090 <1460>	830 <1320>	660 <1020>
	1100	1490	1490	1430 <1490>	1270 <1430>	1270 <1430>	1020 <1360>	770 <1240>	620 <960>
	1200	1400	1400	1340 <1400>	1200 <1340>	1200 <1340>	960 <1280>	730 <1170>	580 <900>
	1300	1320	1320	1270 <1320>	1130 <1270>	1130 <1270>	910 <1210>	690 <1100>	550 <850>

NOTE: <> for dual tire models.

SPECIAL TREAD

(September 2016)

Model		40-8FB25		
Front Tire	Single/Dual	Single	Dual	Dual
Front Tire Size		7.00-12-12PR (I)	5.50-15-8PR (I)	7.00-12-12PR (I)
Overall Width	mm	1230	1455	1610
Tread, Front	mm	960	1105	1190

SPECIAL MAST

(March 2018)

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

Model				40-8FB25											
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	340	260	260	220	320	240	240	220	320	240	240	220
		No Load	mm/sec	600	500	500	465	570	480	480	440	570	480	480	440
	Lowering	Full Load	mm/sec	500	500	500	500	480	480	480	480	480	480	480	480
		No Load	mm/sec	500	500	500	500	420	420	420	420	450	450	450	450
DIMENSIONS															

Load Distance (Centerline of front axle to front face of forks)	mm	475	470	490
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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)

40-8FB25

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	1745	3150	3720	155	155	6	11	2500	6	11	2500
	2700	1845	3350	3920	155	155	6	11	2500	6	11	2500
	3000	1995	3650	4220	155	155	6	11	2500	6	11	2500
	3300	2145	3950	4520	155	155	6	11	2500	6	11	2500
	3500	2245	4150	4720	155	155	6	11	2500	6	11	2500
	3700	2405	4350	4920	155	155	6	11	2500	6	11	2500
	4000	2595	4650	5220	155	155	6	6	2500	6	11	2500
	4500	2845	5150	5720	155	155	6	6	2300	6	6	2450
FV	5000	3095	5650	6220	155	155	6	6	1800	6	6	2350
	3000	1995	3595	4220	1400	775	6	11	2500	6	11	2500
	3300	2145	3895	4520	1550	925	6	11	2500	6	11	2500
	3500	2245	4095	4720	1650	1025	6	11	2500	6	11	2500
	3700	2405	4295	4920	1810	1185	6	11	2500	6	11	2500
FSV	4000	2595	4595	5220	2000	1375	6	6	2500	6	11	2500
	3700	1795	4265	4920	1230	575	6	6	2400	6	6	2400
	4000	1895	4565	5220	1330	675	6	6	2400	6	6	2400
	4300	1995	4865	5520	1430	775	6	6	2300	6	6	2400
	4500	2065	5065	5720	1500	845	6	6	2050	6	6	2300
	4700	2145	5265	5920	1580	925	6	6	2050	6	6	2300
	5000	2245	5565	6220	1680	1025	6	6	1650	6	6	2200
	5500	2405	6065	6720	1840	1185	6	6	1250	6	6	2000
	6000	2595	6565	7220	2030	1375	6	6	1000	6	6	1550

NOTE: Height of standard load backrest is 1220 mm.