

5,000 kg

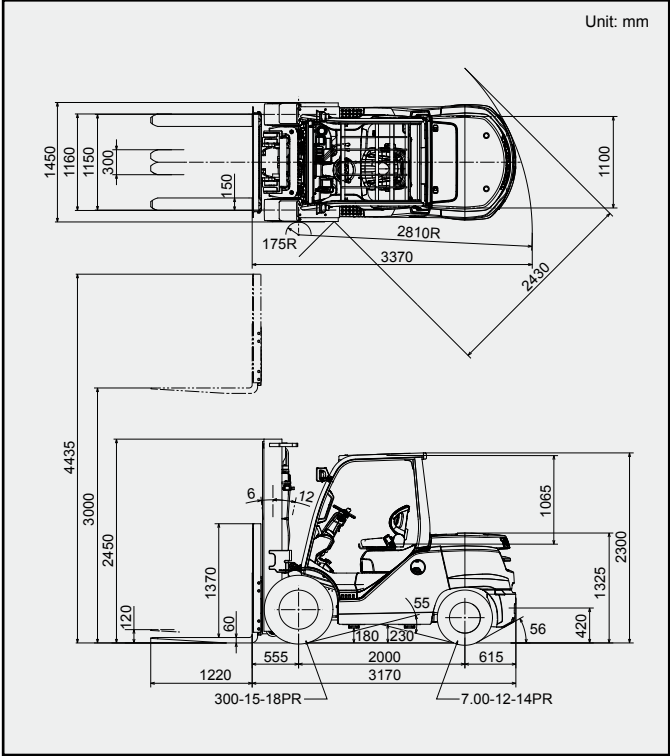
8FG/8FD50N

MAIN VEHICLE SPECIFICATIONS

Characteristics	Manufacturer				TOYOTA	TOYOTA
	Model				8FG50N	8FD50N
	Load Capacity			kg	5000	5000
	Load Center			mm	600	600
	Power Type				Gasoline	Diesel
	Operator Position				Rider Seated	Rider Seated
	Tire Type		Front/Rear		Pneumatic	Pneumatic
Wheels (x = driven)		Front/Rear		2x/2	2x/2	
Dimensions	Maximum Fork Height (MFH)		mm	3000	3000	
	Free Lift		mm	120	120	
	Fork Size	T x W x L	mm	60/150/1220	60/150/1220	
	Fork Spread (Outside)	MAX./MIN.	mm	1160/300	1160/300	
	Tilt Range	FWD/BWD	deg	6/12	6/12	
	Length to Fork Face		mm	3170	3170	
	Overall Width		mm	1450	1450	
	Mast Lowered Height		mm	2450	2450	
	Mast Extended Height		mm	4435	4435	
	Overhead Guard Height		mm	2300	2300	
	Turning Radius (Outside)		mm	2810	2810	
	Load Distance (Centerline of front axle to front face of forks)		mm	555	555	
	Rear Overhang		mm	615	615	
Basic Right Angle Stacking Aisle Width (Add load length and clearance)		mm	3370	3370		
Performance	Speeds	Travel, Max. (FWD/RVS)	Full Load	km/h	23.5/23.5	22.5/22.5
			No Load	km/h	24.0/24.0	23.5/23.5
		Lifting	Full Load	mm/sec	490	480
			No Load	mm/sec	520	520
		Lowering	Full Load	mm/sec	540	540
			No Load	mm/sec	490	490
	Max. Drawbar Pull		Full Load	N <kg>	36000<3670>	35400<3600>
			No Load	N <kg>	16000<1630>	16000<1630>
	Gradeability at 1.5 km/h *		Full Load	% (tanθ)	23	22
	Max. Gradeability *		Full Load	% (tanθ)	31	30
		No Load	% (tanθ)	22	22	
Weight	Total Weight		kg	7140	7240	
	Weight Distribution	Full Load	Front	kg	10880	10930
			Rear	kg	1260	1310
		No Load	Front	kg	3000	3045
			Rear	kg	4140	4195
Wheels and Tires	Tires	Number	Front/Rear		2/2	2/2
		Size	Front		300-15-18PR	300-15-18PR
			Rear		7.00-12-14PR	7.00-12-14PR
	Wheelbase		mm	2000	2000	
	Tread	Front	mm	1150	1150	
		Rear	mm	1100	1100	
	Backrest Height		mm	1370	1370	
	Overhead Guard Clearance		mm	1065	1065	
	Counterweight Height		mm	1325	1325	
	Drawbar Pin Center Height		mm	420	420	
	Step Height		mm	540	540	
	Floor Height		mm	855	855	
	Underclearance (Full load)	Min. <Mast>	mm	120	120	
		Center of Wheelbase	mm	230	230	
	Grade Clearance		Frame/Counterweight	% (tanθ)	55/66	55/66
	Brake	Service (Foot)			Hydraulic	Hydraulic
		Parking			Hand	Hand
Drive Unit and Control	Battery	Voltage/Capacity (5HR)		V/AH	12/48	12/64
	Internal Combustion Engine	Make/Model			TOYOTA 1FS	TOYOTA 14Z- II
		Rated Power/r.p.m.		kW (JIS ps)	65/2350 (88/2350)	56/2100 (76/2100)
		Rated Torque/r.p.m.		N-m (JIS kg-m)	276/1600 (28.1/1600)	269/1600 (27.4/1600)
		Number of Cylinder			4	6
		Piston Displacement		cc	3685	5204
		Fuel Tank Capacity		liter	120	120
	Transmission	Type			Powershift	Powershift
Stage		FWD/RVS		1/1	1/1	
Operating Pressure		For Attachments	Mpa (kg/cm ²)	18.1(185)	18.1(185)	

NOTE: * Computed values.

DIMENSIONAL DRAWINGS



SPECIAL TREAD

Front Tire Single/Dual	Single	Single	Dual	Dual
Front Tire Size	300-15-18PR	300-15	8.25-15-14PR	8.25-15
Overall Width	mm 1450	1450	1890	1890
Tread, Front	mm 1150	1150	1385	1385

UNDERCLEARANCE mm

Mast (Full Load).....	120
Drive Axle (Full Load).....	210
Steer Axle (No Load).....	210
Center of Wheelbase (Full Load).....	230
Counterweight (No Load).....	200

MAST SPECIFICATIONS & RATED CAPACITIES

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 600 mm LC	Tilt Range		Load Capacity at 600 mm LC		
			Without Load Backrest	With Standard Load Backrest										
							Pneumatic Tire/ Pneumatic-Shaped Cushion Tire			FWD	BWD		Pneumatic Tire/ Pneumatic-Shaped Cushion Tire	
							deg	deg					kg	deg
mm	mm	mm	mm	mm	mm	deg	deg	kg	deg			deg	kg	
Wide Visible Mast (V)	2500	2200	3405	3935	125	125	6	12	5000	6	12	5000		
	2700	2350	3605	4135	125	125	6	12	5000	6	12	5000		
	3000	2450	3905	4435	125	125	6	12	5000	6	12	5000		
	3300	2600	4205	4735	125	125	6	12	5000	6	12	5000		
	3500	2800	4405	4935	125	125	6	12	5000	6	12	5000		
	3700	2800	4605	5135	125	125	6	12	5000	6	12	5000		
	4000	3050	4905	5435	125	125	6	12	5000	6	12	5000		
	4500	3300	5405	5935	125	125	6	6	5000	6	12	5000		
5000	3550	5905	6435	125	125	6	6	4000	6	12	4800			
Wide Visible Full-Free Lift Three-Stage Mast (FSV)	3700	2200	4635	5135	1330	830	6	6	5000	6	6	5000		
	4000	2270	4935	5435	1400	900	6	6	4900	6	6	4900		
	4300	2350	5235	5735	1480	980	6	6	4800	6	6	4800		
	4700	2450	5635	6135	1580	1080	6	6	4300	6	6	4600		
	5000	2600	5935	6435	1730	1230	6	6	4100	6	6	4500		
	5500	2800	6435	6935	1930	1430	6	6	3100	6	6	4300		
	6000	3050	6935	7435	2180	1680	6	6	2400	6	6	4100		

NOTE: Height of standard load backrest is 1370 mm.

RATED CAPACITIES

Unit: kg (W)

V Mast (PN or PSC)											
A (mm)	2500	2700	3000	3300	3500	3700	4000	4500	5000		
600	5000	5000	5000	5000	5000	5000	5000	5000	4000	<4800>	
700	4600	4600	4600	4600	4600	4600	4600	4600	3680	<4420>	
800	4260	4260	4260	4260	4260	4260	4260	4260	3410	<4090>	
900	3970	3970	3970	3970	3970	3970	3970	3970	3180	<3810>	
1000	3710	3710	3710	3710	3710	3710	3710	3710	2970	<3570>	
1100	3490	3490	3490	3490	3490	3490	3490	3490	2790	<3350>	
1200	3290	3290	3290	3290	3290	3290	3290	3290	2630	<3160>	
1300	3110	3110	3110	3110	3110	3110	3110	3110	2490	<2990>	
1400	2950	2950	2950	2950	2950	2950	2950	2950	2360	<2840>	
1500	2810	2810	2810	2810	2810	2810	2810	2810	2250	<2700>	

< > for dual tire models (PN or PSC)

FSV Mast (PN or PSC)											
A (mm)	3700	4000	4300	4700	5000	5500	6000				
600	5000	4900	4800	4300 <4600>	4100 <4500>	3100 <4300>	2400 <4100>				
700	4610	4520	4430	3970 <4240>	3780 <4150>	2860 <3970>	2210 <3780>				
800	4280	4190	4110	3680 <3940>	3510 <3850>	2650 <3680>	2050 <3510>				
900	3990	3910	3830	3430 <3670>	3270 <3590>	2470 <3430>	1920 <3270>				
1000	3740	3660	3590	3210 <3440>	3070 <3360>	2320 <3210>	1790 <3070>				
1100	3520	3450	3380	3020 <3240>	2880 <3160>	2180 <3020>	1690 <2880>				
1200	3320	3250	3190	2850 <3050>	2720 <2990>	2060 <2850>	1590 <2720>				
1300	3140	3080	3020	2700 <2890>	2580 <2830>	1950 <2700>	1510 <2580>				
1400	2980	2930	2870	2570 <2750>	2450 <2690>	1850 <2570>	1430 <2450>				
1500	2840	2780	2730	2440 <2610>	2330 <2560>	1760 <2440>	1360 <2330>				

< > for dual tire models (PN or PSC)

