MAIN VEHICLE SPECIFICATIONS

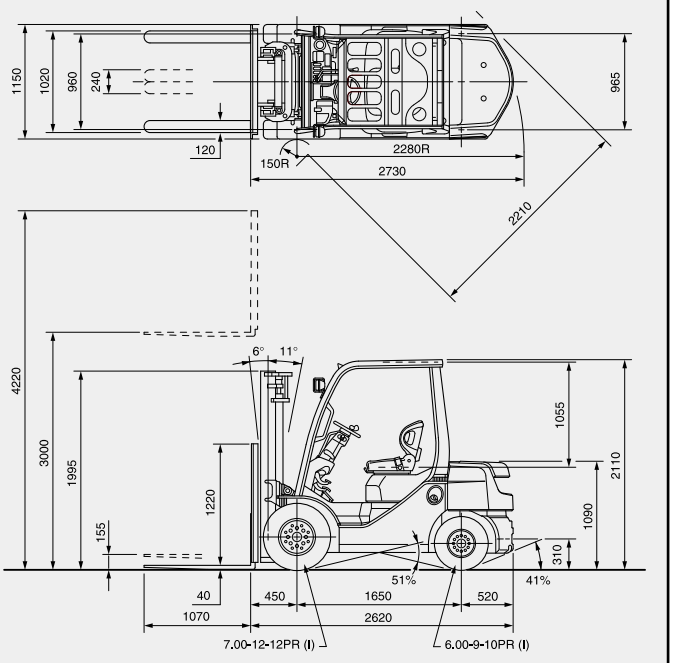
Characteristics	1	Manufacturer				TOYOTA		TOYOTA		TOYOTA		1
	2	Model				30-8FG25	32-8FG25	60-8FD25	62-8FD25	70-8FD25	72-8FD25	2
	3	Load Capacity			kg	2500		2500		2500		3
	4	Load Center			mm	500		500		500		4
	5	Power Type				Gasoline		Diesel		Diesel		5
	6	Operator Position				Rider Seated		Rider Seated		Rider Seated		6
	7	Tire Type		Front/Rear		Pneumatic		Pneumatic		Pneumatic		7
	8	Wheels (x = driven)		Front/Rear		2x/2		2x/2		2x/2		8
Dimensions	9	Maximum Fork Height (MFH)			mm	3000		3000		3000		9
	10	Free Lift			mm	155		155		155		10
	13	Fork Size		T x W x L	mm	40x120x1070		40x120x1070		40x120x1070		13
		Fork Spread (Outside)		MAX./MIN.	mm	1020/240		1020/240		1020/240		
	14	Tilt Range		FWD/BWD	deg	6/11		6/11		6/11		14
	15	Length to Fork Face			mm	2620		2620		2620		15
	16	Overall Width			mm	1150		1150		1150		16
	17	Mast Lowered Height			mm	1995		1995		1995		17
	18	Mast Extended Height			mm	4220		4220		4220		18
	19	Overhead Guard Height			mm	2110		2110		2110		19
	21	Turning Radius (Outside)			mm	2280		2280		2280		21
	22	Load Distance (Centerline of front axle to front face of forks)			mm	450 (455) **		450 (455) **		450 (455) **		22
		Rear Overhang			mm	520		520		520		
	23	Basic Right Angle Stacking Aisle Width (Add load length and clearance)			mm	2730		2730		2730		23
Performance	24	Speeds	Travel, Max. (FWD/RVS)	Full Load	km/h	18.0/18.0	17.5/17.5	19.5/19.5	19.0/19.0	19.0/19.0	19.0/19.0	24
				No Load	km/h	18.5/18.5	18.0/18.0	20.0/20.0	19.5/19.5	19.5/19.5	19.5/19.5	
	25		Lifting	Full Load	mm/sec	600	600	615	615	650	650	25
				No Load	mm/sec	640	640	655	655	675	675	
	26		Lowering	Full Load	mm/sec	500	500	500	500	500	500	26
				No Load	mm/sec	500	500	500	500	500	500	
	28	Max. Drawbar Pull		Full Load	N (kg)	16500 (1680)	18500 (1890)	17500 (1780)	19000 (1940)	19500 (1990)	20000 (2040)	28
				No Load	N (kg)	8600 (880)	8500 (870)	8700 (890)	8700 (890)	8800 (900)	8800 (900)	
		Max. Drawbar Pull at 1.5km/h *		Full Load	N (kg)	—	17000 (1730)	—	17200 (1750)	—	17500 (1780)	
	29	Gradeability at 1.5 km/h *		Full Load	% (tanθ)	—	30	—	31	—	29	29
	30	Max. Gradeability *		Full Load	% (tanθ)	28	34	28	34	33	32	30
				No Load	% (tanθ)	19	19	19	19	19	19	
Weight	32	Total Weight			kg	3560		3600		3650		32
	33	Weight Distribution	Full Load	Front	kg	5280		5300		5320		33
				Rear	kg	780		800		830		
	34		No Load	Front	kg	1300		1320		1340		34
				Rear	kg	2260		2280		2310		
Wheels and Tires	35	Tires	Number	Front/Rear		2/2		2/2		2/2		35
	36		Size	Front		7.00-12-12PR (I)		7.00-12-12PR (I)		7.00-12-12PR (I)		36
	37			Rear		6.00-9-10PR (I)		6.00-9-10PR (I)		6.00-9-10PR (I)		37
	38	Wheelbase			mm	1650		1650		1650		38
	39	Tread		Front	mm	960		960		960		39
				Rear	mm	965		965		965		
		Backrest Height			mm	1220		1220		1220		
		Overhead Guard Clearance			mm	1055		1055		1055		
		Counterweight Height			mm	1090		1090		1090		
		Drawbar Pin Center Height			mm	310		310		310		
		Step Height/Floor Height			mm	435/675		435/675		435/675		
	40	Underclearance (Full Load)	Min. <Mast>		mm	95		95		95		40
	41		Center of Wheelbase		mm	140		140		140		41
		Grade Clearance	Frame/Counterweight		% (tanθ)	51/41		51/41		51/41		
	42	Brake	Service (Foot)			Hydraulic		Hydraulic		Hydraulic		42
	43		Parking			Hand	Foot	Hand	Foot	Hand	Foot	43
Drive Unit and Control	45	Battery	Voltage/Capacity (5HR)		V/AH	12/27		12/55		12/64		45
	49	Internal Combustion Engine	Make/Model			TOYOTA/4Y		TOYOTA/1DZ-II [1DZ-III] ***		TOYOTA/2Z ****		49
	50		Rated Power/r.p.m.		kW (JIS ps)	40/2400 (54/2400)		44 (60) /2600 [41 (55) /2500]		49/2200 (66/2200)		50
	51		Rated Torque/r.p.m.		N-m (JIS kg-m)	162/1800 (16.5/1800)		167 (17.0) /1600 [157 (16.0) /2500]		216/1600 (22.0/1600)		51
	52		Number of Cylinder			4		4		4		52
			Piston Displacement		cc	2237		2486		3469		
			Fuel Tank Capacity		liter	60		60		60		
	55	Transmission	Type			Manual	Powershift	Manual	Powershift	Manual	Powershift	55
			Stage	FWD/RVS		2/2	1/1	2/2	1/1	2/2	1/1	
	57	Operating Pressure	For Attachments		Mpa (kg/cm²)	15.7 (160)		15.7 (160)		15.7 (160)		57

NOTE: * Computed values.
** Number shown in ( ) is when the forkbar width is other than 1020 mm.
*** 1DZ-II: Non-road Mobile Machinery (97/68/EC; Stage II) EPA Non-road Diesel Emissions (40 CFR Part 89; Interim Tier 2).
1DZ-III: Non-road Mobile Machinery (97/68/EC; Stage IIIA) EPA Non-road Diesel Emissions (40 CFR Part 1039; Interim Tier 4).
**** 2Z: Non-road Mobile Machinery (97/68/EC; Stage II).

The data in this publication was determined based on our standard testing condition.
Operating performance may vary depending on the actual specification and condition of the vehicle as well as the condition of the operating area.

DIMENSIONAL DRAWINGS

Unit: mm



RATED CAPACITIES

Unit: kg (**W**)

V, FV Mast (PN)

A (mm)		4000	4500	5000
B (mm)	500	2500	2150 [2450]	1700 [2400]
	600	2260	1940 [2210]	1540 [2170]
	700	2070	1780 [2020]	1400 [1980]
	800	1900	1640 [1860]	1290 [1830]
	900	1760	1510 [1730]	1200 [1690]
	1000	1640	1410 [1610]	1110 [1580]
	1100	1540	1320 [1510]	1040 [1470]
	1200	1440	1240 [1410]	980 [1390]
	1300	1360	1170 [1330]	920 [1310]

[ ] for dual tire models.

V, FV Mast (PSC)

A (mm)		4000	4500	5000
B (mm)	500	2500	2300 [2450]	1850 [2400]
	600	2260	1940 [2210]	1540 [2170]
	700	2070	1780 [2020]	1400 [1980]
	800	1900	1640 [1860]	1290 [1830]
	900	1760	1510 [1730]	1200 [1690]
	1000	1640	1410 [1610]	1110 [1580]
	1100	1540	1320 [1510]	1040 [1470]
	1200	1440	1240 [1410]	980 [1390]
	1300	1360	1170 [1330]	920 [1310]

[ ] for dual tire models.

FSV Mast (PN)

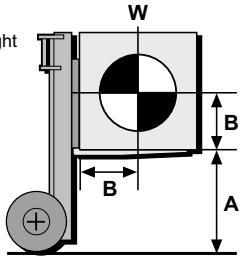
A (mm)		4000	4300	4500	4700	5000	5500	6000	6500	7000
B (mm)	500	2500	2300 [2500]	2000 [2450]	2000 [2450]	1500 [2400]	1250 [2050]	900 [1700]	— [1550]	— [1200]
	600	2260	2080 [2260]	1810 [2220]	1810 [2220]	1360 [2170]	1130 [1860]	810 [1540]	— [1400]	— [1080]
	700	2070	1910 [2070]	1660 [2030]	1660 [2030]	1240 [1990]	1030 [1700]	740 [1410]	— [1280]	— [990]
	800	1910	1760 [1910]	1530 [1870]	1530 [1870]	1140 [1830]	950 [1560]	680 [1300]	— [1180]	— [910]
	900	1770	1630 [1770]	1420 [1730]	1420 [1730]	1060 [1700]	880 [1450]	630 [1200]	— [1100]	— [850]
	1000	1650	1520 [1650]	1320 [1620]	1320 [1620]	990 [1580]	820 [1350]	590 [1120]	— [1020]	— [790]
	1100	1550	1420 [1550]	1240 [1510]	1240 [1510]	930 [1480]	770 [1270]	550 [1050]	— [960]	— [740]
	1200	1450	1340 [1450]	1160 [1420]	1160 [1420]	870 [1400]	720 [1190]	520 [990]	— [900]	— [700]
	1300	1370	1260 [1370]	1100 [1340]	1100 [1340]	820 [1320]	680 [1120]	490 [930]	— [850]	— [660]

[ ] for dual tire models (PN or PSC).

FSV Mast (PSC)

A (mm)		5000	5500	6000
B (mm)	500	1650	1400	1050
	600	1490	1270	950
	700	1370	1160	870
	800	1260	1070	800
	900	1170	990	740
	1000	1090	920	690
	1100	1020	860	650
	1200	960	810	610
	1300	900	770	570

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



SPECIAL TREAD

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	1150	1450	1610
Tread, Front	mm	960	1105	1190

UNDERCLEARANCE mm

Mast (Full Load).....95
Drive Axle (Full Load) 130
Steer Axle (No Load) 160
Center of Wheelbase (Full Load).....140
Counterweight (No Load) 150

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 500 mm LC		Tilt Range		Load Capacity at 500 mm LC	
			Without Load Backrest	With Standard Load Backrest			FWD	BWD	Pneumatic Tire	Pneumatic-Shaped Cushion Tire	FWD	BWD	PneumaticTire/ Pneumatic-Shaped Cushion Tire	
	mm	mm	mm	mm	mm	mm	deg	deg	kg	kg	deg	deg	kg	
Wide Visible Mast (V)	2700	1845	3370*	3920	150	150	6	11	2500	2500	6	11	2500	
	3000	1995	3670*	4220	150	150	6	11	2500	2500	6	11	2500	
	3300	2145	3970*	4520	150	150	6	11	2500	2500	6	11	2500	
	3500	2245	4170*	4720	150	150	6	11	2500	2500	6	11	2500	
	3700	2405	4370*	4920	150	150	6	11	2500	2500	6	11	2500	
	4000	2595	4670*	5220	150	150	6	9	2500	2500	6	11	2500	
	4500	2845	5170*	5720	150	150	6	6	2150	2300	6	11	2450	
	5000	3095	5670*	6220	150	150	6	6	1700	1850	6	6	2400	
Wide Visible Full-Free Lift Two-Stage Mast (FV)	3000	1995	3605	4220	1400	780	6	11	2500	2500	6	11	2500	
	3300	2145	3905	4520	1550	930	6	11	2500	2500	6	11	2500	
	3500	2245	4105	4720	1650	1030	6	11	2500	2500	6	11	2500	
	3700	2405	4305	4920	1810	1190	6	11	2500	2500	6	11	2500	
	4000	2595	4605	5220	2000	1380	6	9	2500	2500	6	11	2500	
Wide Visible Full-Free Lift Three-Stage Mast (FSV)	3700	1795	4265	4920	1235	580	6	6	2500	2500	6	6	2500	
	4000	1895	4565	5220	1335	680	6	6	2500	2500	6	6	2500	
	4300	1995	4865	5520	1435	780	6	6	2300	2300	6	6	2500	
	4500	2065	5065	5720	1505	850	6	6	2000	2000	6	6	2450	
	4700	2145	5265	5920	1585	930	6	6	2000	2000	6	6	2450	
	5000	2245	5565	6220	1685	1030	6	6	1500	1650	6	6	2400	
	5500	2405	6065	6720	1845	1190	6	6	1250	1400	6	6	2050	
	6000	2595	6565	7220	2035	1380	6	6	900	1050	6	6	1700	
	6500	2845	7065	7720	2285	1630	—	—	—	—	6	6	1550	
	7000	3095	7565	8220	2535	1880	—	—	—	—	6	6	1200	

NOTE: Height of standard load backrest is 1220 mm.
* with A4 piping, minus 15 mm.