

7FGCU25

MAIN VEHICLE SPECIFICATIONS

1	Manufacturer				TOYOTA	
2	Model				7FGCU25	
3	Load Capacity			lb (kg)	5000 (2250)	
4	Load Center			in (mm)	24 (600)	
5	Power Type				Gasoline	
6	Operator Position				Rider Seated	
7	Tire Type			Front/Rear	Cushion	
8	Wheels (x = driven)			Front/Rear	2x / 2	
9	Maximum Fork Height (MFH) (Top of Forks)			in (mm)	131.5 (3340)	
10	Free Lift (Top of Forks)			in (mm)	6.1 (155)	
13	Fork Size			T x W x L	1.6 x 5 x 42 (40 x 125 x 1070)	
	Fork Spread (Outer Edge to Edge)			MAX/MIN	36 (920) / 10 (250)	
14	Tilt Range			FWD/BWD	deg	6° / 10°
15	Length to Fork Face			in (mm)	93.7 (2380)	
16	Overall Width			in (mm)	41.9 (1065)	
17	Mast Lowered Height			in (mm)	83.3 (2115)	
18	Mast Extended Height (Top of Load Backrest)			in (mm)	179.5 (4560)	
19	Overhead Guard Height			in (mm)	80.7 (2050)	
21	Turning Radius (Outside)			in (mm)	77.6 (1970)	
22	Load Distance (Centerline of front axle to front face of forks)			in (mm)	16.7 (425)	
	Rear Overhang				21.5 (545)	
23	Basic Right Angle Stacking Aisle Width (Add load length and clearance)			in (mm)	94.3 (2395)	
24	Speeds	Travel, Max. (Fwd/Rvs)	Full Load	mph (km/h)	10.6 (17.0) / 10.6 (17.0)	
No Load			mph (km/h)	10.6 (17.0) / 10.6 (17.0)		
Lifting		Full Load	fpm (mm/sec)	118 (600)		
		No Load	fpm (mm/sec)	126 (640)		
		Full Load	fpm (mm/sec)	98 (500)		
		No Load	fpm (mm/sec)	98 (500)		
28	Max. Drawbar Pull	Full Load	lb (kg) <N>	4200 (1900) <18500>		
No Load		lb (kg) <N>	1750 (800) <7800>			
29	Gradeability at 1 mph (1.5 km/h) ¹	Full Load	%	25		
30	Max. Gradeability ¹	Full Load	%	31		
		No Load	%	17		
32	Total Weight			lb (kg)	8210 (3720)	
33	Weight Distribution	Full Load	Front	lb (kg)	11430 (5140)	
Rear			lb (kg)	1780 (830)		
No Load		Front	lb (kg)	2760 (1250)		
		Rear	lb (kg)	5450 (2470)		
35		Number	Front/Rear		2 / 2	
36	Tires	Front			21 x 7 x 15	
37		Size	Rear		16 x 5 x 10-1/2	
38	Wheelbase			in (mm)	55.5 (1410)	
39	Tread	Front	in (mm)	35.0 (890)		
		Rear	in (mm)	36.0 (915)		
40	Underclearance	Min. with Load	in (mm)	2.8 (75)		
41		Center of Wheelbase	in (mm)	4.3 (110)		
42	Brake	Service (Foot)		Hydraulic		
43		Parking (Hand)		Hand		
45	Battery	Voltage/Capacity (5HR)		V/AH	12 / 48	
49		Make/Model			TOYOTA 4Y	
50	Internal Combustion Engine	Rated Horsepower @ r.p.m. ¹		SAE HP (kW)	47 @ 2300 Net (35 @ 2300)	
51		Rated Torque @ r.p.m. ¹		SAE ft-lb (N-m)	118 @ 1800 Net (160 @ 1800)	
52		Number of Cylinders			4	
		Piston Displacement		cu in. (cc)	136 (2237)	
		Fuel Tank Capacity		US gal (liter)	11.9 (45)	
55	Transmission	Type			Powershift	
		Speeds		fwd/rvs	1 / 1	
57	Auxilliary Hydraulic Function (For Attachments) ²	Max. Operating Pressure		psi (kg/cm2) <MPs>	2275 (160) <15.7>	
		Max. Flow Rate		gpm	20	

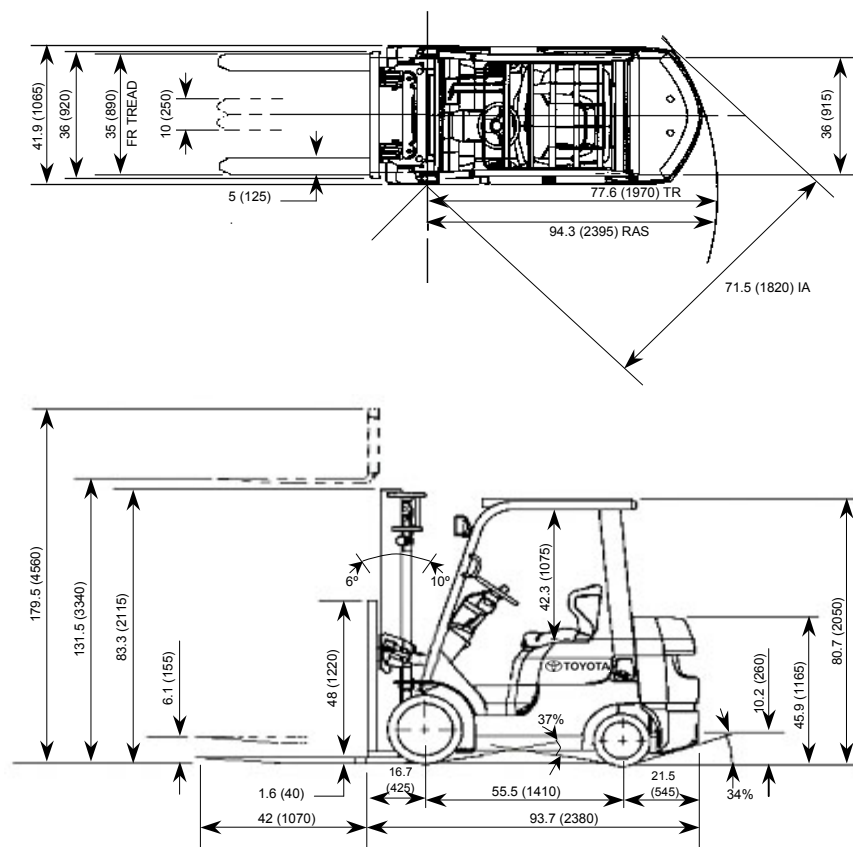
NOTE: ¹ Computed Values. Performance of LPG fuel system may be less than that of standard model shown

² Values taken at Hydraulic Control Valve. Does not take into consideration losses through mast plumbing (hosing, fittings, QDs, etc.)

DIMENSIONAL DRAWING

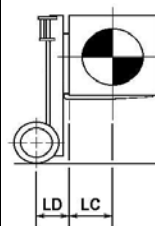
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Unit: in (mm)



RATED CAPACITY

7FGCU25



PC = Published Maximum Fork Height (MFH)
Capacity @ 24" Load Center (lbs.)
LC = Desired Load Center (in.)
LD = Load Distance (in.) (Reference Chart Below)
W = Capacity at LC (lbs.)

	Load Distance (LD)
V	16.7 in.
FV	16.7 in.
FSV	16.9 in.
QFV	18.1 in.

$$W^* = PC \times \left(\frac{LD + 24}{LD + LC} \right)$$

**Should W calculate to a value greater than 5,000 lbs., then maximum capacity at the desired load center is no greater than 5,000 lbs. This calculation has been provided for estimation purposes ONLY. For official rated capacity values, please submit capacity requests through the Toyota DCS. (All capacities based on standard forks)*

* Contact Factory for Tilt Limit Specifications

I.T.A. CARRIAGE CLASS II
UNDERCLEARANCE

Mast	3.3 (85)
Drive Axle	3.3 (85)
Steer Axle	3.9 (100)
Center of Wheelbase	4.3 (110)
Counterweight	3.3 (85)

TIRES

Model		7FGCU25	
Front Tire		Standard	Wide
Front Axle		Standard	Wide
Front Tire Size		21 x 7 x 15	21 x 7 x 15
Overall Width	in (mm)	41.9 (1065)	46.5 (1180)
Tread, Front	in (mm)	35 (890)	39.4 (1000)

OPTIONAL MASTS

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

Model				7FGCU25		
Type of Mast				FV	FSV	QFV
PERFORMANCE						
Speeds	Lifting	Full Load	fpm (mm/sec)	110 (560)	110 (560)	110 (560)
		No Load	fpm (mm/sec)	118 (600)	118 (600)	113 (580)
	Lowering	Full Load	fpm (mm/sec)	94 (480)	94 (480)	100 (510)
		No Load	fpm (mm/sec)	83 (420)	89 (450)	79 (400)
DIMENSIONS						
Load Distance			in (mm)	16.7 (425)	16.9 (430)	18.1 (460)

MAST SPECIFICATIONS & RATED CAPACITIES

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

Wide Visible Full-Free Lift Four-Stage Mast (QFV)

Mast Type	Maximum Fork Height (top of forks)	Overall Height			Free Lift		Tilt Range		Load Capacity at 24 in. (600mm) Load Center	
		Lowered	Extended		Without Load Backrest	With Standard Load Backrest	FWD	BWD	Standard Tread	Wide Tread
			Without Load Backrest	With Standard Load Backrest						
			in (mm)	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)	lb (kg)
V	80 (2040)	57.7 (1465)	104.3 (2650)	128.3 (3260)	6.1 (155)	6.1 (155)	6	8	5000 (2250)	5000 (2250)
	100 (2540)	67.5 (1715)	124 (3150)	148 (3760)	6.1 (155)	6.1 (155)	6	8	5000 (2250)	5000 (2250)
	107.5 (2740)	71.5 (1815)	131.9 (3350)	155.9 (3960)	6.1 (155)	6.1 (155)	6	10	5000 (2250)	5000 (2250)
	119.5 (3040)	77.4 (1965)	143.7 (3650)	167.7 (4260)	6.1 (155)	6.1 (155)	6	10	5000 (2250)	5000 (2250)
	131.5 (3340)	83.3 (2115)	155.5 (3950)	179.5 (4560)	6.1 (155)	6.1 (155)	6	10	5000 (2250)	5000 (2250)
	139 (3540)	87.2 (2215)	163.4 (4150)	187.4 (4760)	6.1 (155)	6.1 (155)	6	10	5000 (2250)	5000 (2250)
	147 (3740)	93.5 (2375)	171.3 (4350)	195.3 (4960)	6.1 (155)	6.1 (155)	6	10	5000 (2250)	5000 (2250)
	159 (4040)	101 (2565)	183.1 (4650)	207.1 (5260)	6.1 (155)	6.1 (155)	6	10	5000 (2250)	5000 (2250)
	178.5 (4540)	110.8 (2815)	202.8 (5150)	226.8 (5760)	6.1 (155)	6.1 (155)	6	5	5000 (2250)	5000 (2250)
FV	198 (5040)	120.7 (3065)	222.4 (5650)	246.5 (6260)	6.1 (155)	6.1 (155)	6	5	4850 (2200)	5000 (2250)
	80 (2040)	57.7 (1465)	99.8 (2535)	128.3 (3260)	36.4 (925)	9.6 (245)	6	8	5000 (2250)	5000 (2250)
	100 (2540)	67.5 (1715)	119.5 (3035)	148 (3760)	46.3 (1175)	19.5 (495)	6	8	5000 (2250)	5000 (2250)
	107.5 (2740)	71.5 (1815)	127.4 (3235)	155.9 (3960)	50.2 (1275)	23.4 (595)	6	10	5000 (2250)	5000 (2250)
	119.5 (3040)	77.4 (1965)	139.2 (3535)	167.7 (4260)	56.1 (1425)	29.3 (745)	6	10	5000 (2250)	5000 (2250)
	131.5 (3340)	83.3 (2115)	151 (3835)	179.5 (4560)	62 (1575)	35.2 (895)	6	10	5000 (2250)	5000 (2250)
	139 (3540)	87.2 (2215)	158.9 (4035)	187.4 (4760)	65.9 (1675)	39.2 (995)	6	10	5000 (2250)	5000 (2250)
	147 (3740)	93.5 (2375)	166.7 (4235)	195.3 (4960)	72.2 (1835)	45.5 (1155)	6	10	5000 (2250)	5000 (2250)
	159 (4040)	101 (2565)	178.5 (4535)	207.1 (5260)	79.7 (2025)	53 (1345)	6	10	5000 (2250)	5000 (2250)
FSV	147(3740)	69.5 (1765)	170.9 (4340)	195.3 (4960)	44.1 (1120)	21.5 (545)	6	5	5000 (2250)	5000 (2250)
	159 (4040)	73.4 (1865)	182.7 (4640)	207.1 (5260)	48 (1220)	25.4 (645)	6	5	5000 (2250)	5000 (2250)
	170.5 (4340)	77.4 (1965)	194.5 (4940)	218.9 (5560)	52 (1320)	29.3 (745)	6	5	5000 (2250)	5000 (2250)
	189 (4800)	83.3 (2115)	212.8 (5405)	237 (6020)	57.9 (1470)	35.2 (895)	6	5	5000 (2250)	5000 (2250)
	198 (5040)	87.2 (2215)	222 (5640)	246.5 (6260)	61.8 (1570)	39.2 (995)	6	5	4600 (2100)	4600 (2100)
	218 (5540)	93.5 (2375)	241.7 (6140)	266.1 (6760)	68.1 (1730)	45.5 (1155)	6	5	3850 (1750)	4550 (2050)
QFV	237.5 (6040)	101 (2565)	261.4 (6640)	285.8 (7260)	75.6 (1920)	53 (1345)	6	5	2400 (1100)	3200 (1450)
	240 (6100)	83.1 (2110)	260.6 (6620)	288.2 (7320)	62.2 (1580)	35 (890)	6	5	-	3800 (1700)
	258 (6600)	89 (2260)	279.1 (7090)	305.9 (7770)	66.1 (1680)	39 (990)	6	5	-	2900 (1300)
	276 (7000)	95.3 (2420)	296.5 (7530)	324 (8230)	72.4 (1840)	45.3 (1150)	6	5	-	1950 (900)

Note: Height of standard load backrest is 48 in. (1220 mm)

Attachment capacities (including sideshifters) located in *Section 6.1 - Lifting Capacities For Options*.