

LARGE IC PNEUMATIC



13500 - 17500 LBS.

SPECIFICATIONS



50-8FG60U-80U

CLASS
5

INTERNAL COMBUSTION ENGINE PNEUMATIC TIRE

ToyotaForklift.com

TRUCK SPECIFICATIONS

				MODEL NUMBERS					
GENERAL DATA				50-8FG60U		50-8FG70U		50-8FG80U	
Load Capacity		lb (kg)		13500 (6000)		15500 (7000)		17500 (8000)	
Power Type				LP		LP		LP	
Operator Position				Seated Rider		Seated Rider		Seated Rider	
Tire Type		Front / Rear		Pneumatic / Pneumatic		Pneumatic / Pneumatic		Pneumatic / Pneumatic	
Wheels (x = driven)		Front / Rear		4x / 2		4x / 2		4x / 2	
EXTERIOR DIMENSIONS				50-8FG60U		50-8FG70U		50-8FG80U	
A Maximum Fork Height (top of forks)		in (mm)		120.5 (3060)		120.6 (3065)		120.8 (3070)	
B Free-Lift (top of forks)		in (mm)		4.9 (125)		4.9 (125)		5.1 (130)	
C Fork Size (T x W x L)		in (mm)		2.4 x 6 x 48 (60 x 150 x 1220)		2.6 x 6 x 48 (65 x 150 x 1220)		2.8 x 6 x 48 (70 x 150 x 1220)	
D Fork Spread Max. / Min. (outer edge to edge)		in (mm)		66.9 / 11.8 (1700 / 300)		66.9 / 11.8 (1700 / 300)		66.9 / 11.8 (1700 / 300)	
E Tilt Range (forward / backward)		deg		6 / 12		6 / 12		6 / 12	
F Length to Fork Face		in (mm)		137.4 (3490)		139.6 (3545)		141.3 (3590)	
G Overall Width		in (mm)		78.5 (1995)		78.5 (1995)		78.5 (1995)	
H Mast Lowered Height		in (mm)		96.8 (2460)		96.8 (2460)		102.8 (2610)	
I Mast Extended Height (top of load backrest)		in (mm)		174.6 (4435)		174.6 (4435)		174.8 (4440)	
J Overhead Guard Height ³		in (mm)		90.9 (2310)		90.9 (2310)		90.9 (2310)	
K Turning Radius (inside / outside)		in (mm)		127 (3230)		129 (3280)		130.5 (3320)	
L Load Distance ¹		in (mm)		22.8 (580)		23 (585)		23.2 (590)	
M Basic Right-Angle Stacking Aisle Width		in (mm)		151 (3830)		153.0 (3890)		155.0 (3940)	
PERFORMANCE DATA				50-8FG60U		50-8FG70U		50-8FG80U	
Speeds	Maximum Travel (forward / reverse)	Full Load	mph (km/h)	11.8 (19.0) / 11.8 (19.0)		11.5 (18.5) / 11.5 (18.5)		11.5 (18.5) / 11.5 (18.5)	
		No Load	mph (km/h)	12 (19.5) / 12 (19.5)		12 (19.5) / 12 (19.5)		12 (19.5) / 12 (19.5)	
	Lifting	Full Load	fpm (mm/sec)	83 (420)		83 (420)		69 (350)	
		No Load	fpm (mm/sec)	85 (430)		85 (430)		85 (430)	
	Lowering	Full Load	fpm (mm/sec)	104 (530)		104 (530)		104 (530)	
		No Load	fpm (mm/sec)	94 (480)		94 (480)		94 (480)	
Drawbar Pull	Maximum	Full Load	lb (kg)	9900 (4500)		9700 (4400)		9700 (4400)	
		No Load	lb (kg)	4700 (2130)		4480 (2030)		4440 (2010)	
Gradeability	1 mph (1.5 km/h) ¹	Full Load	%	25		22		19	
		Full Load	%	32		28		25	
	Maximum ¹	No Load	%	24		21		19	
TRUCK WEIGHTS				50-8FG60U		50-8FG70U		50-8FG80U	
Total Weight		lb (kg)		18720 (8500)		20170 (9160)		22040 (10010)	
Weight Distribution	Full Load (front / rear)	lb (kg)		28650 (13000) / 3300 (1500)		31740 (14400) / 3870 (1760)		35110 (15930) / 4570 (2080)	
	No Load (front / rear)	lb (kg)		8480 (3850) / 10240 (4650)		8170 (3710) / 12000 (5450)		8120 (3690) / 13920 (6320)	
TIRES				50-8FG60U		50-8FG70U		50-8FG80U	
Tires	Number (front / rear)		4 / 2		4 / 2		4 / 2		
	Size	Front	8.25-15-12PR		8.25-15-14PR		8.25-15-14PR		
		Rear	8.25-15-12PR		8.25-15-14PR		8.25-15-14PR		
Wheelbase		in (mm)		88.6 (2250)		88.6 (2250)		88.6 (2250)	
Tread Width (front / rear)		in (mm)		57.9 (1470) / 57.5 (1460)		57.9 (1470) / 57.5 (1460)		57.9 (1470) / 57.5 (1460)	
Underclearance (full load)	Minimum with Load		in (mm)		4.9 (125)		4.9 (125)		
	Center of Wheelbase		in (mm)		9.8 (250)		9.8 (250)		
Brake	Service (foot) / Parking		Hydraulic <wet> / Hand		Hydraulic <wet> / Hand		Hydraulic <wet> / Hand		
POWER SYSTEM				50-8FG60U		50-8FG70U		50-8FG80U	
Battery (5-hour rating)		V / Ah		12 / 35		12 / 35		12 / 35	
Internal Combustion Engine ⁴	Model		1FS-US		1FS-US		1FS-US		
	Rated Horsepower @ rpm	SAE HP	88 @ 2530		88 @ 2530		88 @ 2530		
		(kW)	(66 @ 2530)		(66 @ 2530)		(66 @ 2530)		
	Rated Torque @ rpm	SAE ft-lb	212 @ 1500		212 @ 1500		212 @ 1500		
		(N-m)	(288 @ 1500)		(288 @ 1500)		(288 @ 1500)		
	Number of Cylinders		4		4		4		
Piston Displacement		cu in (cc)		224 (3685)		224 (3685)		224 (3685)	
Fuel Tank Capacity		US gal (liter)		34 (130)		34 (130)		34 (130)	
Transmission	Type		Powershift		Powershift		Powershift		
	Speeds (forward / reverse)		2 / 2		2 / 2		2 / 2		
Auxiliary Hydraulic Function Specifications (for attachments) ²	Max. Operating Pressure		psi (kg/cm2)		2990 (210)		2990 (210)		
	Max. Flow Rate		gpm (lpm)		33.8 (128)		33.8 (128)		

1 Computed values.
2 Values taken at Hydraulic Control Valve. Does not take in to consideration losses through mast plumbing (hosing, fittings, QDs, etc.).
3 Overhead guard height tolerance is +/- 1.57" (measured from the ground to the top of the overhead guard)
4 Estimated based on preliminary performance test data

EXTERIOR DIMENSIONS

