



TECHNICAL SPECIFICATIONS

Pneumatic and Cushion Tire Forklift Trucks

G35S / G40S / G45S-5 & G50C / G55C-5

GC35S / GC40S / GC45S-5 & GC50C / GC55C-5

7,000lb to 12,000lb Capacity

PRO5
SERIES



8,000/9,000/10,000/11,000/12,000 lb Capacities

Engine Powered Forklift Trucks

Pneumatic Tire

MAIN VEHICLE SPECIFICATIONS

CHARACTERISTICS	1	Manufacture			DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN
	2	Model			G35S-5	G40S-5	G45S-5	G50C-5	G55C-5
	3	Load Capacity	at rated load center	lb(kg)	8,000(3,500)	9,000(4,000)	10,000(4,500)	11,000(5,000)	12,000(5,500)
	4	Load Center		in(mm)	24(600)	24(600)	24(600)	24(600)	24(600)
	5	Power type	Elec, Diesel, LPG, Gasoline		LPG	LPG	LPG	LPG	LPG
	6	Operator type			Driver-seated	Driver-seated	Driver-seated	Driver-seated	Driver-seated
	7	Tire type	P:Pnu, E:Solid Soft, C: Cush		P	P	P	P	P
	8	Wheels (x=Driven)	Front / Rear		x 2 / 2	x 2 / 2	x 2 / 2	x 2 / 2	x 2 / 2
	9	Max. Fork Height	with STD 2-stage mast	in(mm)	118.1 (3,000)	118.1 (3,000)	118.1 (3,000)	120.1 (3,050)	120.1 (3,050)
	10	Free Lift		in(mm)	6.3 (160)	6.3 (160)	6.3 (160)	6.7 (170)	6.7 (170)
	12	Fork Carriage	ISO Class		III	III	IV	IV	IV
	DIMENSIONS	13	Forks	Length x Width x Thickness	in(mm)	41.3x5.9x2.0 (1,050x150x50)	41.3x5.9x2.0 (1,050x150x50)	47.2x5.9x2.0 (1,200x150x50)	47.2x5.9x2.4 (1,200x150x60)
			Fork Spacing(Min x Max)	in(mm)	12.2(310)/46.5(1,182)	12.2(310)/46.5(1,182)	13.4(340)/50.8(1,290)	13.4(340)/50.8(1,290)	13.4(340)/50.8(1,290)
14		Tilt of Mast	Forward / Backward	deg	8 / 10	8 / 10	8 / 10	8 / 10	8 / 10
15			Length to Fork Face	in(mm)	122.0(3,100)	124.0(3,150)	128.5(3,265)	129.9(3,300)	131.9(3,350)
16			Overall Width	in(mm)	54.0(1,372)	57.1(1,451)	57.1(1,451)	57.1(1,451)	57.1(1,451)
17			Mast Lowered Height	in(mm)	87.6(2,225)	87.8(2,230)	87.8(2,230)	93.7(2,380)	93.7(2,380)
18		Overall Dimensions	Mast Extended Height	in(mm)	167.9(4,265)	168.1(4,270)	174.0(4,420)	176.0(4,470)	176.0(4,470)
			Overhead Guard Height	in(mm)	87.6(2,225)	87.8(2,230)	87.8(2,230)	87.8(2,230)	87.8(2,230)
			Seat Height	in(mm)	49.1(1,248)	49.4(1,255)	49.4(1,255)	49.4(1,255)	49.4(1,255)
21			Turning Radius	Minimum outside	in(mm)	109.1(2,770)	111.0(2,820)	112.8(2,865)	115.4(2,930)
22		Load Moment Center		in(mm)	22.1(561)	22.1(561)	22.1(561)	22.5(571)	22.5(571)
23		Aisle 90 degree stacking(add load length & clearance)		in(mm)	131.2(3,331)	133.1(3,381)	134.9(3,426)	137.9(3,501)	140.2(3,561)
PERFORMANCE	24	Travel Speed	Loaded / Unloaded	mph(km/h)	12.4 / 13.0 (20 / 21)	12.1 / 12.7 (19.5 / 20.5)	12.1 / 12.7 (19.5 / 20.5)	12.1 / 12.7 (19.5 / 20.5)	12.1 / 12.7 (19.5 / 20.5)
	25	Lifting Speed	Loaded / Unloaded	fpm(mm/s)	98.4 / 106.3 (500 / 540)	98.4 / 106.3 (500 / 540)	98.4 / 106.3 (500 / 540)	96.5 / 106.3 (490 / 540)	92.5 / 106.3 (470 / 540)
	26	Lowering Speed	Loaded / Unloaded	fpm(mm/s)	94.5 / 88.6 (480 / 450)	94.5 / 88.6 (480 / 450)	94.5 / 88.6 (480 / 450)	96.5 / 88.6 (490 / 450)	96.5 / 88.6 (490 / 450)
	28	Max. drawbar pull	Loaded at 1.0 mph (1.6km / h)	lb(kg)	7,496.5 (3,355)	7,561.8 (3,430)	7,517.7 (3,410)	7,517.7 (3,410)	7,936.6 (3,600)
	30	Max. gradeability	Loaded at 1.0 mph (1.6km / h)	%	36	33.5	30.7	30.7	28
WEIGHT	32	Total Service Weight, Unloaded		lb(kg)	12,765(5,790)	13,625(6,180)	14,440(6,550)	15,543(7,050)	16,292(7,390)
	33	Axle Load	Loaded, Front / Rear	lb(kg)	18,111 / 2,370 (8,215 / 1,075)	19,798 / 2,646 (8,980 / 1,200)	21,606 / 2,756 (9,800 / 1,250)	23,545 / 3,020 (10,680 / 1,370)	25,067 / 3,351 (11,370 / 1,520)
			34	Unloaded, Front / Rear	lb(kg)	5,919 / 6,845 (2,685 / 3,105)	5,864 / 7,760 (2,660 / 3,520)	6,195 / 8,245 (2,810 / 3,740)	6,371 / 9,171 (2,890 / 4,160)
CHASSIS	35		Number of wheels(F / R)		2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
	36	Tires	Size, Front		8.25x15-14	300x15-18	300x15-18	300x15-18	300x15-18
			Size, Rear		7.00x12-12	7.00x12-12	7.00x12-12	7.00x12-14	7.00x12-14
	38	Wheel Base	Distance	in(mm)	78.7(2,000)	78.7(2,000)	82.7(2,100)	82.7(2,100)	82.7(2,100)
	39	Tread Width	Front / Rear	in(mm)	44.8 / 43.9 (1138 / 1115)	45.4 / 43.9 (1,153 / 1,115)	45.4 / 43.9 (1,153 / 1,115)	45.4 / 43.9 (1,153 / 1,115)	45.4 / 43.9 (1,153 / 1,115)
	40	Ground Clearance	Loaded at the lowest point	in(mm)	6.3(160)	6.3(160)	6.3(160)	6.3(160)	6.3(160)
			Loaded at center of wheelbase	in(mm)	8.1(205)	8.1(205)	8.1(205)	8.1(205)	8.1(205)
	42	Brakes	Service		shoe / disc	shoe / disc	shoe / disc	shoe / disc	shoe / disc
Parking				ratchet	ratchet	ratchet	ratchet	ratchet	
POWER TRAIN	45	Battery	Voltage / Ampere	V/AH	12 / 75	12 / 75	12 / 75	12 / 75	12 / 75
	49	Engine	Model		PSI 4.3	PSI 4.3	PSI 4.3	PSI 4.3	PSI 4.3
			Rated Power(DIN)	HP/rpm	133 / 3,000	133 / 3,000	133 / 3,000	133 / 3,000	133 / 3,000
				kW/rpm	99.2 / 3,000	99.2 / 3,000	99.2 / 3,000	99.2 / 3,000	99.2 / 3,000
			Maximum Torque	lb_ft/rpm	245.5 / 1,400	245.5 / 1,400	245.5 / 1,400	245.5 / 1,400	245.5 / 1,400
	N_m/rpm	332.9 / 1,400		332.9 / 1,400	332.9 / 1,400	332.9 / 1,400	332.9 / 1,400		
	52		Cylinders / Displacement	CC	6 / 4,294	6 / 4,294	6 / 4,294	6 / 4,294	6 / 4,294
	55	Transmission	Type		powershift	powershift	powershift	powershift	powershift
			Number of Speeds(Fwd / Rev)		2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
57	Hydraulic Pressure	System	psi(bar)	2,755(190)	2,755(190)	3,045(210)	3,045(210)	3,335(230)	
		Attachment	psi(bar)	2,030(140)	2,030(140)	2,030(140)	2,030(140)	2,030(140)	

Note: Values quoted in this specification sheet has been rounded. Performance may vary due to operation conditions.

Products and specifications are subject to change without prior notices.

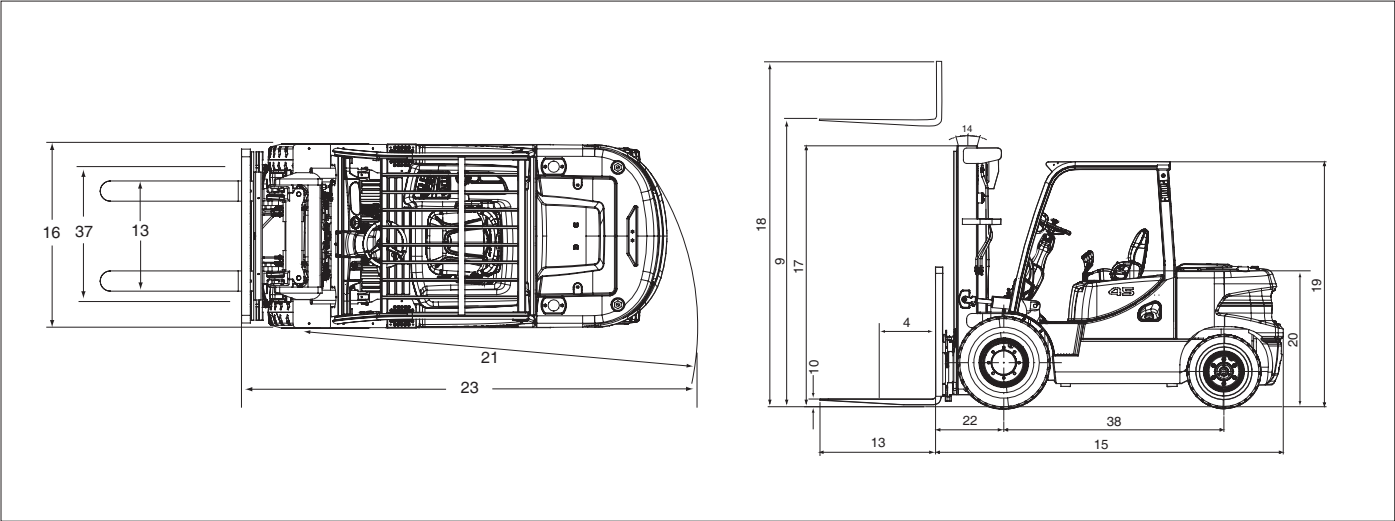
7,000/8,000/10,000/11,000/12,000 lb Capacities

Engine Powered Forklift Trucks Cushion Tire

MAIN VEHICLE SPECIFICATIONS

CHARACTERISTICS	1	Manufacture			DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN
	2	Model			GC35S-5	GC40S-5	GC45S-5	GC50C-5	GC55C-5
	3	Load Capacity	at rated load center	lb(kg)	7,000(3,500)	8,000(4,000)	10,000(4,500)	11 ,000(5,000)	12,000(5,500)
	4	Load Center		in(mm)	24(500)	24(500)	24(600)	24(600)	24(600)
	5	Power type	Elec, Diesel, LPG, Gasoline		LPG	LPG	LPG	LPG	LPG
	6	Operator type			Driver-seated	Driver-seated	Driver-seated	Driver-seated	Driver-seated
	7	Tire type	P:Pnu, E:Solid Soft, C: Cush		C	C	C	C	C
	8	Wheels (x=Driven)	Front / Rear		x 2 / 2	x 2 / 2	x 2 / 2	x 2 / 2	x 2 / 2
	9	Max. Fork Height	with STD 2-stage mast	in(mm)	113.4(2,880)	113.4(2,880)	113.4(2,880)	103.5(2,630)	103.5(2,630)
	10	Free Lift		in(mm)	6.3(160)	6.3(160)	6.3(160)	6.3(160)	6.3(160)
	12	Fork Carriage	ISO Class		III	III	IV	IV	IV
	DIMENSIONS	13	Forks	Length x Width x Thickness	in(mm)	48.0x5.9x2.0 (1,220x150x50)	48.0x5.9x2.0 (1,220x150x50)	48.0x5.9x2.0 (1,220x150x50)	48.0x5.9x2.0 (1,220x150x50)
Fork Spacing(Min x Max)			in(mm)	12.2(310)/42.6(1,082)	12.2(310)/42.6(1,082)	13.4(340)/50.8(1,290)	13.4(340)/50.8(1,290)	13.4(340)/50.8(1,290)	
14		Tilt of Mast	Forward / Backward	deg	5 / 6	5 / 6	5 / 6	5 / 6	5 / 6
15		Overall Dimensions	Length to Fork Face	in(mm)	105.6(2,682)	105.7(2,686)	111.3(2,828)	113.3(2,878)	118.5(3,010)
16			Overall Width	in(mm)	50.0(1,270)	50.0(1,270)	55.9(1,420)	55.9(1,420)	55.9(1,420)
17			Mast Lowered Height	in(mm)	84.1(2,135)	84.1(2,135)	86.0(2,185)	86.0(2,185)	86.0(2,185)
18			Mast Extended Height	in(mm)	162.0(4,115)	162.0(4,115)	169.9(4,315)	160.0(4,065)	160.0(4,065)
19			Overhead Guard Height	in(mm)	84.8(2,155)	84.8(2,155)	84.8(2,155)	84.8(2,155)	84.8(2,155)
20			Seat Height	in(mm)	44.3(1,125)	44.3(1,125)	44.3(1,125)	44.3(1,125)	44.3(1,125)
21		Turning Radius	Minimum outside	in(mm)	92.9(2,360)	94.5(2,400)	99.6(2,530)	101.6(2,580)	103.5(2,630)
22		Load Moment Center		in(mm)	19.9(505)	19.9(505)	19.9(505)	20.3(515)	20.3(515)
23		Aisle 90 degree stacking(add load length & clearance)		in(mm)	112.8(2,865)	114.4(2,905)	119.5(3,035)	121.9(3,095)	123.8(3,145)
PERFORMANCE	24	Travel Speed	Loaded / Unloaded	mph(km/h)	11.2 / 11.8 (18 / 19)	11.2 / 11.8 (18 / 19)	11.2 / 11.8 (18 / 19)	11.2 / 11.8 (18 / 19)	11.2 / 11.8 (18 / 19)
	25	Lifting Speed	Loaded / Unloaded	fpm(mm/s)	98.4 / 108.3 (500 / 550)	94.5 / 108.3 (480 / 550)	94.5 / 98.4 (480 / 500)	88.6 / 98.4 (450 / 500)	88.6 / 98.4 (450 / 500)
	26	Lowering Speed	Loaded / Unloaded	fpm(mm/s)	104.3 / 88.6 (530 / 450)	98.4 / 88.6 (500 / 450)	98.4 / 86.6 (500 / 440)	94.5 / 86.6 (480 / 440)	94.5 / 86.6 (480 / 440)
	28	Max. drawbar pull	Loaded at 1.0 mph (1.6km / h)	lb(kg)	5,340 (2,422)	5,212 (2,346)	5,578 (2,530)	5,816 (2,638)	5,944 (2,696)
	30	Max. gradeability	Loaded at 1.0 mph (1.6km / h)	%	27	24	23	22	21
WEIGHT	32	Total Service Weight, Unloaded		lb(kg)	12,059(5,470)	12,897(5,850)	14,330(6,500)	15,410(6,990)	16,182(7,340)
	33	Axle Load	Loaded, Front / Rear	lb(kg)	17,571 / 2,205 (7,970 / 1,000)	19,158 / 2,557 (8,690 / 1,160)	21,550 / 2,701 (9,775 / 1,225)	23,435 / 2,998 (10,630 / 1,360)	24,998 / 3,329 (11,330 / 1,510)
			Unloaded, Front / Rear	lb(kg)	4,916 / 7,143 (2,230 / 3,240)	4,696 / 8,201 (2,130 / 3,720)	5,501 / 8,830 (2,495 / 4,005)	5,556 / 9,844 (2,520 / 4,470)	5,291 / 10,891 (2,400 / 4,940)
CHASSIS	35		Number of wheels(F / R)		2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
	36	Tires	Size, Front		22x9x16	22x9x16	22X12X16	22X12X16	22X12X16
			Size, Rear		18x6x12-1 / 8	18x7x12-1 / 8	18X8X12.1	18X8X12.1	18X8X12.1
	38	Wheel Base	Distance	in(mm)	64.2(1,630)	64.2(1,630)	70.5(1,790)	70.5(1,790)	70.5(1,790)
	39	Tread Width	Front / Rear	in(mm)	41.0 / 41.1 (1,042 / 1,044)	41.0 / 41.1 (1,042 / 1,044)	43.9 / 41.1 (1,116 / 1,044)	43.9 / 41.1 (1,116 / 1,044)	43.9 / 41.1 (1,116 / 1,044)
	40	Ground Clearance	Loaded at the lowest point	in(mm)	5.1(130)	5.1(130)	5.1(130)	5.1(130)	5.1(130)
			Loaded at center of wheelbase	in(mm)	5.1(130)	5.1(130)	5.1(130)	5.1(130)	5.1(130)
	42	Brakes	Service		foot / hyd	foot / hyd	foot / hyd	foot / hyd	foot / hyd
			Parking		hand / mech	hand / mech	hand / mech	hand / mech	hand / mech
	POWER TRAIN	45	Battery	Voltage / Ampere	V/AH	12 / 75	12 / 75	12 / 75	12 / 75
49		Engine	Model		PSI 4.3	PSI 4.3	PSI 4.3	PSI 4.3	PSI 4.3
			Rated Power(DIN)	HP/rpm	133 / 3,000	133 / 3,000	133 / 3,000	133 / 3,000	133 / 3,000
				kW/rpm	99.2 / 3,000	99.2 / 3,000	99.2 / 3,000	99.2 / 3,000	99.2 / 3,000
			Maximum Torque	lb_ft/rpm	245.5 / 1,400	245.5 / 1,400	245.5 / 1,400	245.5 / 1,400	245.5 / 1,400
				N_m/rpm	332.9 / 1,400	332.9 / 1,400	332.9 / 1,400	332.9 / 1,400	332.9 / 1,400
52			Cylinders / Displacement	CC	6 / 4,294	6 / 4,294	6 / 4,294	6 / 4,294	6 / 4,294
55		Transmission	Type		powershift	powershift	powershift	powershift	powershift
	Number of Speeds(Fwd / Rev)			2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	
57	Hydraulic Pressure	System	psi(bar)	2,755(190)	3,045(210)	3,045(210)	3,045(210)	3,335(230)	
		Attachment	psi(bar)	2,030(140)	2,030(140)	2,030(140)	2,030(140)	2,030(140)	

DIMENSIONAL DRAWING



MAST SPECIFICATIONS AND RATED CAPACITIES

Pneumatic Tire

G35S-5, G40SC-5

Mast type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height		Free Lift		Rated Load Capacities									
									G35S-5, G40SC-5									
									Tilt Angle				Load Capacities					
									Single Pneu.		Double Pneu.		Single Pneu.		Double Pneu.			
									FWD	BWD	FWD	BWD	LC500mm	LC24in	LC500mm		LC24in	
	mm	in	mm	in	mm	in	mm	in	deg	deg	deg	deg	kg	kg	lb	kg	kg	lb
STD	3000	118	2225	88	4265	168	160	6	8	10	8	10	4000	3655	8000	4000	3655	8000
	3300	130	2375	94	4565	180	160	6	8	10	8	10	4000	3655	8000	4000	3655	8000
	3650	144	2550	100	4915	194	160	6	8	10	8	10	4000	3655	8000	4000	3655	8000
	4000	157	2875	113	5265	207	160	6	8	10	8	10	4000	3655	8000	4000	3655	8000
	4250	167	3000	118	5515	217	160	6	8	10	8	10	4000	3655	8000	4000	3655	8000
	4850	191	3450	136	6115	241	160	6	8	8	8	10	3850	3520	7700	3875	3545	7750
FF	3000	118	2205	87	4250	167	1005	40	8	10	8	10	4000	3660	8000	4000	3660	8000
FFT	4000	157	2090	82	5265	207	890	35	8	8	8	8	3975	3645	7950	4000	3670	8000
	4250	167	2175	86	5530	218	975	38	8	8	8	8	3900	3575	7800	3950	3625	7900
	4700	185	2325	92	5980	235	1125	44	8	8	8	8	3775	3465	7550	3800	3485	7600
	5150	203	2475	97	6430	253	1275	50	8	5	8	8	3650	3350	7300	3675	3370	7350
	5600	220	2625	103	6880	271	1425	56	8	3	8	8	3525	3235	7050	3550	3255	7100
	6050	238	2775	109	7330	289	1575	62	8	3	8	5	3075	2820	6150	3450	3165	6900

G40S-5, G45SC-5

Mast type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height		Free Lift		Rated Load Capacities									
									G40S-5, G45SC-5									
									Tilt Angle				Load Capacities					
									Single Pneu.		Double Pneu.		Single Pneu.		Double Pneu.			
									FWD	BWD	FWD	BWD	LC500mm	LC24in	LC500mm		LC24in	
	mm	in	mm	in	mm	in	mm	in	deg	deg	deg	deg	kg	kg	lb	kg	kg	lb
STD	3000	118	2230	88	4270	168	160	6	8	10	8	10	4500	4115	9000	4500	4115	9000
	3300	130	2380	94	4570	180	160	6	8	10	8	10	4500	4115	9000	4500	4115	9000
	3650	144	2555	101	4920	194	160	6	8	10	8	10	4500	4115	9000	4500	4115	9000
	4000	157	2880	113	5270	207	160	6	8	10	8	10	4500	4115	9000	4500	4115	9000
	4250	167	3005	118	5520	217	160	6	8	10	8	10	4500	4115	9000	4500	4115	9000
	4850	191	3455	136	6120	241	160	6	8	8	8	10	4400	4025	8800	4425	4045	8850
FF	3000	118	2210	87	4255	168	1010	40	8	10	8	10	4500	4115	9000	4500	4115	9000
FFT	4000	157	2090	82	5270	207	890	35	8	8	8	8	4500	4125	9000	4500	4125	9000
	4250	167	2180	86	5535	218	980	39	8	8	8	8	4475	4105	8950	4500	4125	9000
	4700	185	2330	92	5985	236	1130	44	8	8	8	8	4325	3965	8650	4350	3990	8700
	5150	203	2480	98	6435	253	1280	50	8	5	8	5	4175	3830	8350	4225	3875	8450
	5600	220	2630	104	6885	271	1430	56	8	3	8	3	4050	3715	8100	4075	3740	8150
	6050	238	2780	109	7335	289	1580	62	8	3	8	3	3800	3485	7600	3750	3440	7500

G45S-5, G50SC-5

Mast type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height		Free Lift		Rated Load Capacities									
									G45S-5, G50SC-5									
									Tilt Angle				Load Capacities					
													Single Pneu.		Double Pneu.		Single Pneu.	
					FWD	BWD	FWD	BWD					LC500mm	LC24in		LC500mm	LC24in	
	mm	in	mm	in	mm	in	mm	in	deg	deg	deg	deg	kg	kg	lb	kg	kg	lb
STD	3000	118	2230	88	4420	174	160	6	8	10	8	10	5000	4570	10000	5000	4570	10000
	3300	130	2380	94	4720	186	160	6	8	10	8	10	5000	4570	10000	5000	4570	10000
	3650	144	2555	101	5070	200	160	6	8	10	8	10	5000	4570	10000	5000	4570	10000
	4000	157	2880	113	5420	213	160	6	8	10	8	10	5000	4570	10000	5000	4570	10000
	4250	167	3005	118	5670	223	160	6	8	10	8	10	5000	4570	10000	5000	4570	10000
	4850	191	3455	136	6270	247	160	6	8	5	8	10	4900	4480	9800	4700	4295	9400
FF	3000	118	2210	87	4400	173	860	34	8	10	8	10	5000	4575	10000	5000	4575	10000
FFT	4000	157	2090	82	5415	213	740	29	8	8	8	8	5000	4585	10000	5000	4585	10000
	4250	167	2180	86	5680	224	830	33	8	8	8	8	4975	4565	9950	5000	4585	10000
	4700	185	2330	92	6130	241	980	39	8	8	8	8	4800	4400	9600	4850	4450	9700
	5150	203	2480	98	6580	259	1130	44	8	3	8	8	4650	4265	9300	4525	4150	9050
	5600	220	2630	104	7030	277	1280	50	8	3	8	5	4500	4125	9000	4125	3785	8250
	6050	238	2780	109	7480	294	1430	56	8	3	8	3	3575	3280	7150	3575	3280	7150

G50S-5, G55SC-5

Mast type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height		Free Lift		Rated Load Capacities															
									G50S-5, G55SC-5															
									With Load Backrest				With Load Backrest				Tilt Angle				Load Capacities			
																	Single Pneu.		Double Pneu.		Single Pneu.		Double Pneu.	
					FWD	BWD	FWD	BWD										LC600mm	LC24in	LC500mm		LC24in		
	mm	in	mm	in	mm	in	mm	in	deg	deg	deg	deg	kg	kg	lb	kg	kg	lb						
STD	2750	108	2230	88	4170	164	170	7	8	10	8	10	5500	5030	11000	5500	5030	11000						
	3050	120	2380	94	4470	176	170	7	8	10	8	10	5500	5030	11000	5500	5030	11000						
	3400	134	2555	101	4820	190	170	7	8	10	8	10	5500	5030	11000	5500	5030	11000						
	3750	148	2880	113	5170	204	170	7	8	10	8	10	5500	5030	11000	5500	5030	11000						
	4000	157	3005	118	5420	213	170	7	8	10	8	10	5500	5030	11000	5500	5030	11000						
	4600	181	3455	136	6020	237	170	7	8	8	8	10	5500	5030	11000	5125	4690	10300						
FF	2875	113	2210	87	4275	168	870	34	8	10	8	10	5500	5035	11000	5500	5035	11000						
FFT	3875	153	2090	82	5290	208	750	30	8	8	8	8	5500	5050	11000	5500	5050	11000						
	4125	162	2180	86	5555	219	840	33	8	8	8	8	5500	5050	11000	5500	5050	11000						
	4575	180	2330	92	6005	236	990	39	8	8	8	8	5375	4935	10850	5425	4980	10950						
	5025	198	2480	98	6455	254	1140	45	8	5	8	8	5200	4775	10500	4600	4220	9300						
	5475	216	2630	104	6905	272	1290	51	8	3	8	5	4650	4270	9400	4200	3855	8500						
	5925	233	2780	109	7355	290	1440	57	8	3	8	5	3625	3330	7300	3275	3005	6600						

G55C-5 (COMPACT)

Mast type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height		Free Lift		Rated Load Capacities							
									G55C-5 (COMPACT)							
									Tilt Angle				Load Capacities			
									Single Pneu.		Double Pneu.		Single Pneu.		Double Pneu.	
					With Load Backrest		With Load Backrest		FWD	BWD	FWD	BWD	LC500mm	LC24in	LC500mm	LC24in
	mm	in	mm	in	mm	in	mm	in	deg	deg	deg	deg	kg	lb	kg	lb
STD	2750	108	2230	88	4170	164	170	7	8	10	8	10	5500	12100	5500	12100
	3050	120	2380	94	4470	176	170	7	8	10	8	10	5500	12100	5500	12100
	3400	134	2555	101	4820	190	170	7	8	10	8	10	5500	12100	5500	12100
	3750	148	2880	113	5170	204	170	7	8	10	8	10	5500	12100	5500	12100
	4000	157	3005	118	5420	213	170	7	8	10	8	10	5500	12100	5500	12100
	4600	181	3455	136	6020	237	170	7	8	8	8	10	5400	11850	4900	10750
FF	2875	113	2210	87	4275	168	870	34	8	10	8	10	5500	12100	5500	12100
FFT	3875	153	2090	82	5290	208	750	30	8	8	8	8	5500	12100	5500	12100
	4125	162	2180	86	5555	219	840	33	8	8	8	8	5500	12100	5500	12100
	4575	180	2330	92	6005	236	990	39	8	8	8	8	5500	12100	5500	12100
	5025	198	2480	98	6455	254	1140	45	8	5	8	8	5150	11350	4425	9750
	5475	216	2630	104	6905	272	1290	51	8	3	8	5	4500	9900	4050	8900
	5925	233	2780	109	7355	290	1440	57	8	3	8	5	3500	7700	3125	6850

MAST SPECIFICATIONS AND RATED CAPACITIES

Cushion Tire

GC35S-5

Mast type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height		Free Lift		Rated Load Capacities			
									GC35S-5			
					With Load Backrest		With Load Backrest		Tilt Angle		Load Capacities	
									Narrow		Narrow	
	mm	in	mm	in	mm	in	mm	in	FWD	BWD	LC500mm	LC24in
STD	3000	118.1	2195	86.4	4265	167.9	160	6.3	5	6	3500	7000
	3300	129.9	2345	92.3	4565	179.7	160	6.3	5	6	3500	7000
	3650	143.7	2520	99.2	4915	193.5	160	6.3	5	6	3500	7000
	4000	157.5	2845	112.0	5265	207.3	160	6.3	5	6	3500	7000
	4250	167.3	2970	116.9	5515	217.1	160	6.3	5	6	3450	7000
	4850	190.9	3420	134.6	6115	240.7	160	6.3	5	6	3275	6650
FF	3000	118.1	2175	85.6	4250	167.3	975	38.4	5	6	3500	7000
FFT	4000	157.5	2060	81.1	5265	207.3	860	33.9	5	6	3375	6850
	4250	167.3	2145	84.4	5530	217.7	945	37.2	5	6	3325	6750
	4700	185.0	2295	90.4	5980	235.4	1095	43.1	5	6	3200	6500
	5150	202.8	2445	96.3	6430	253.1	1245	49.0	5	6	3100	6300
	5600	220.5	2595	102.2	6880	270.9	1395	54.9	5	6	2975	6100
	6050	238.2	2745	108.1	7330	288.6	1545	60.8	5	6	2775	5850

GC40S-5

Mast type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height		Free Lift		Rated Load Capacities			
									GC40S-5			
					With Load Backrest		With Load Backrest		Tilt Angle		Load Capacities	
									Narrow		Narrow	
	mm	in	mm	in	mm	in	mm	in	FWD	BWD	LC500mm	LC24in
STD	3000	118.1	2195	86.4	4265	167.9	160	6.3	5	6	4000	8000
	3300	129.9	2345	92.3	4565	179.7	160	6.3	5	6	4000	8000
	3650	143.7	2520	99.2	4915	193.5	160	6.3	5	6	4000	8000
	4000	157.5	2845	112.0	5265	207.3	160	6.3	5	6	4000	8000
	4250	167.3	2970	116.9	5515	217.1	160	6.3	5	6	3950	8000
	4850	190.9	3420	134.6	6115	240.7	160	6.3	5	6	3700	7550
FF	3000	118.1	2175	85.6	4250	167.3	975	38.4	5	6	4000	8000
FFT	4000	157.5	2060	81.1	5265	207.3	860	33.9	5	6	3900	7900
	4250	167.3	2145	84.4	5530	217.7	945	37.2	5	6	3825	7800
	4700	185.0	2295	90.4	5980	235.4	1095	43.1	5	6	3700	7500
	5150	202.8	2445	96.3	6430	253.1	1245	49.0	5	6	3575	7300
	5600	220.5	2595	102.2	6880	270.9	1395	54.9	5	6	3450	7050
	6050	238.2	2745	108.1	7330	288.6	1545	60.8	5	6	2675	6050

GC45S-5

Mast type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height		Free Lift		Rated Load Capacities			
									GC45S-5			
					With Load Backrest		With Load Backrest		Tilt Angle		Load Capacities	
									Narrow		Narrow	
	mm	in	mm	in	mm	in	mm	in	FWD	BWD	LC600mm	LC24in
STD	3000	118.1	2195	86.4	4415	173.8	160	6.3	5	6	4500	10000
	3300	129.9	2345	92.3	4715	185.6	160	6.3	5	6	4500	10000
	3650	143.7	2520	99.2	5065	199.4	160	6.3	5	6	4500	10000
	4000	157.5	2845	112.0	5415	213.2	160	6.3	5	6	4500	10000
	4250	167.3	2970	116.9	5665	223.0	160	6.3	5	6	4500	10000
	4850	190.9	3420	134.6	6265	246.7	160	6.3	5	6	4375	9550
FF	3000	118.1	2175	85.6	4400	173.2	825	32.5	5	6	4500	10000
FFT	4000	157.5	2055	80.9	5415	213.2	705	27.8	5	6	4500	9850
	4250	167.3	2145	84.4	5680	223.6	795	31.3	5	6	4425	9700
	4700	185.0	2295	90.4	6130	241.3	945	37.2	5	6	4275	9400
	5150	202.8	2445	96.3	6580	259.1	1095	43.1	5	6	4150	9100
	5600	220.5	2595	102.2	7030	276.8	1245	49.0	5	6	4025	8800
	6050	238.2	2745	108.1	7480	294.5	1395	54.9	5	6	3900	8550

GC50C-5

Mast type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height		Free Lift		Rated Load Capacities			
									GC50C-5			
									Tilt Angle		Load Capacities	
									Narrow		Narrow	
	mm	in	mm	in	mm	in	mm	in	FWD	BWD	LC600mm	LC24in
STD	2750	108.3	2195	86.4	4165	164.0	170	6.7	5	6	5000	11000
	3050	120.1	2345	92.3	4465	175.8	170	6.7	5	6	5000	11000
	3400	133.9	2520	99.2	4815	189.6	170	6.7	5	6	5000	11000
	3750	147.6	2845	112.0	5165	203.3	170	6.7	5	6	5000	11000
	4000	157.5	2970	116.9	5415	213.2	170	6.7	5	6	5000	11000
	4600	181.1	3420	134.6	6015	236.8	170	6.7	5	6	4950	10850
FF	2875	113.2	2175	85.6	4275	168.3	835	32.9	5	6	5000	11000
FFT	3875	152.6	2055	80.9	5290	208.3	715	28.1	5	6	5000	11000
	4125	162.4	2145	84.4	5555	218.7	805	31.7	5	6	4975	10900
	4575	180.1	2295	90.4	6005	236.4	955	37.6	5	6	4825	10550
	5025	197.8	2445	96.3	6455	254.1	1105	43.5	5	6	4675	10250
	5475	215.6	2595	102.2	6905	271.8	1255	49.4	5	6	4525	9900
	5925	233.3	2745	108.1	7355	289.6	1405	55.3	5	6	4400	9600

GC55C-5

Mast type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height		Free Lift		Rated Load Capacities			
									GC55C-5			
									Tilt Angle		Load Capacities	
									Narrow		Narrow	
	mm	in	mm	in	mm	in	mm	in	FWD	BWD	LC600mm	LC24in
STD	2750	108.3	2195	86.4	4165	164.0	170	6.7	5	6	5500	12100
	3050	120.1	2345	92.3	4465	175.8	170	6.7	5	6	5500	12100
	3400	133.9	2520	99.2	4815	189.6	170	6.7	5	6	5500	12100
	3750	147.6	2845	112.0	5165	203.3	170	6.7	5	6	5500	12100
	4000	157.5	2970	116.9	5415	213.2	170	6.7	5	6	5500	12100
	4600	181.1	3420	134.6	6015	236.8	170	6.7	5	6	5400	11800
FF	2875	113.2	2175	85.6	4275	168.3	835	32.9	5	6	5500	12100
FFT	3875	152.6	2055	80.9	5290	208.3	715	28.1	5	6	5500	12100
	4125	162.4	2145	84.4	5555	218.7	805	31.7	5	6	5425	11850
	4575	180.1	2295	90.4	6005	236.4	955	37.6	5	6	5250	11500
	5025	197.8	2445	96.3	6455	254.1	1105	43.5	5	6	5100	11150
	5475	215.6	2595	102.2	6905	271.8	1255	49.4	5	6	4950	10850
	5925	233.3	2745	108.1	7355	289.6	1405	55.3	5	6	4800	10500



LARGE IC CUSHION



8000 - 15500 LBS.

SPECIFICATIONS



8FGC35U-70U

CLASS
4

INTERNAL COMBUSTION ENGINE CUSHION TIRE

ToyotaForklift.com

LARGE IC CUSHION

CAPACITY
8000 - 15500 LBS.

WHEELBASE
61.8 - 74.2 IN.

LOAD CENTER
24 IN.

INDUSTRIES



Distribution



Factory



General
Manufacturing



General
Warehousing



Lumber



Paper



Retail

STANDARD FEATURES

DURABILITY

- Control Area Network (CAN-bus) communication
- Fully stamped steel side panels
- Full-floating front axle
- Moisture-resistant electric connectors
- Limited free-lift 2-stage mast (V)²
- 3-stage limited free lift mast (FSV)¹
- High cooling capacity radiator
- Low-maintenance battery
- Large-capacity engine-cooling fan
- 8" cyclone air cleaner
- Plate-iron front fenders
- Anti-restart ignition key switch
- Stamped steel engine hood
- External hydraulic oil cooler
- Radiator screen
- Tilt cylinder boots
- Force-cooled wet disc brakes
- Fully oil charged lift cylinders (FV, FSV mast only)

SUPPORT

- System of Active Stability™ (SAS)
- Operator Presence Sensing System (OPSS)
- Bolt-on overhead guard
- Key lowering interlock
- Electric horn
- Neutral start safety switch
- Asbestos-free components
- Orange forks
- LED headlights
- Key off/headlight off system
- Speed control

PERFORMANCE

- EPA/CARB-certified engine
- UL approved model type "LP"
- Toyota 4-cylinder, 3.7 liter, OHV engine (1FS)
- Distributorless ignition system
- Alternator with built-in regulator (70A)
- Automatic transmission with oil cooler
- Full-floating powertrain
- Electric shift control
- Treaded cushion tires (front & rear)
- Wide tread
- LCD multi-function display – includes:
 - Data log, fuel, and operation information with QR code output
 - Master warning, wheel, direction, and mast tilt indicators
 - Various hours meters
- Engine coolant temperature gauge
- Fuel gauge (excluding LP)
- Check engine light
- Engine oil pressure warning light
- OPSS activation light
- Parking brake indicator
- SAS/OPSS warning light

ERGONOMICS

- 11.8"-dia. two-spoke steering wheel
- Load-sensing power steering
- Cowl-mounted hydraulic control levers with rubber boot covers
- Double-action parking brake (hand)
- 12"-long dual operator assist grips
- Low, wide entry steps
- Oversized cup holder
- Low-profile front cowl
- Vinyl, 4-way adjustable full-suspension seat
- Heavy-duty non-slip floor mat
- Non-cinching seatbelt
- Integrated headlight & turn signal lever

SERVICEABILITY

- Easy-access, no tools required floorboard
- Engine hood assist damper with lock device
- Air cleaner discharge valve
- Easy-lift engine hood with wide 75° opening
- Easy access to common service items such as filter & dipsticks
- Engine protection system

¹ Standard on 8FGC35U and 8FGC45U models only.

² Standard on 8FGC55U, 8FGC60U, and 8FGC70U models only.

OPTIONAL EQUIPMENT

- Hydraulic accumulator
- Intelli-Shift
- Mini-lever controls with ErgoShift
- Synchronized steering
- Combination brake & inching pedal
- EZ Pedal (foot directional control)
- Steering wheel with knob
- Strobe lights
- LED front combination lights
- LED rear combination lights
- LED rear work light
- LED reverse-activated rear work light
- Cloth, 4-way adjustable full-suspension seat
- Swivel seat
- Orange seatbelt
- Box fin radiator
- Fire extinguisher
- 2-stage (FV) & 3-stage (FSV) full free-lift masts
- Hang-on sideshifters
- Polished & tapered forks
- Pre-cleaner for air intake
- Rearview mirrors
- Rear assist grip with horn button
- Back up alarms
- 12-volt power supply
- 5-way hydraulics
- Boxcar Special counterweight
- Paper Roll Special counterweight
- Hydraulic valve for clamping attachments
- Integral sideshifter
- Integral sideshifting fork positioner
- Forward and reverse facing blue light
- Red zone light
- Seatbelt interlock
- Premium ventilation package
- Polycarbonate overhead guard cover

Please contact your local, authorized Toyota Dealer for a complete list of available options.



TRUCK SPECIFICATIONS

				MODEL NUMBERS					
GENERAL DATA				8FGC35U		8FGC45U		8FGC55U	
Load Capacity		lb (kg)		8000 (3500)		10000 (4500)		12000 (5500)	
Power Type				LPG		LPG		LPG	
Operator Position				Seated Rider		Seated Rider		Seated Rider	
Tire Type		Front / Rear		Cushion / Cushion		Cushion / Cushion		Cushion / Cushion	
Wheels (x = driven)		Front / Rear		2x / 2		2x / 2		2x / 2	
EXTERIOR DIMENSIONS				8FGC35U		8FGC45U		8FGC55U	
A	Maximum Fork Height (top of forks)	in (mm)		159.5 (4050)		159.5 (4050)		159.5 (4050)	
B	Free-Lift (top of forks)	in (mm)		33.1 (840)		33.1 (840)		33.1 (840)	
C	Fork Size (T x W x L)	in (mm)		2 x 6 x 42 (50 x 150 x 1070)		2 x 6 x 42 (50 x 150 x 1070)		2.4 x 6 x 48 (60 x 150 x 1220)	
D	Fork Spread Max. / Min. (outer edge to edge)	in (mm)		45.7 / 11.8 (1160 / 300)		45.7 / 11.8 (1160 / 300)		46.1 / 11.8 (1170 / 300)	
E	Tilt Range (forward / backward)	deg		5 / 5		5 / 5		5 / 5	
F	Length to Fork Face	in (mm)		103.9 (2640)		107.7 (2735)		107.7 (2735)	
G	Overall Width	in (mm)		55.9 (1420)		55.9 (1420)		55.9 (1420)	
H	Mast Lowered Height	in (mm)		81.1 (2060)		81.1 (2060)		81.1 (2060)	
I	Mast Extended Height (top of load backrest)	in (mm)		207.5 (5270)		207.5 (5270)		207.5 (5270)	
J	Overhead Guard Height	in (mm)		83.5 (2120)		83.5 (2120)		83.5 (2120)	
K	Turning Radius (inside / outside)	in (mm)		90 (2280)		94 (2390)		99.5 (2530)	
L	Load Distance ¹	in (mm)		17.7 (450)		18.1 (460)		18.5 (470)	
M	Basic Right-Angle Stacking Aisle Width	in (mm)		108 (2750)		113 (2870)		118 (3000)	
PERFORMANCE DATA				8FGC35U		8FGC45U		8FGC55U	
Speeds	Maximum Travel (forward / reverse)	Full Load	mph (km/h)	11.8 (19.0) / 11.8 (19.0)		11.8 (19.0) / 11.8 (19.0)		13.0 (21.0) / 13.0 (21.0)	
		No Load	mph (km/h)	11.8 (19.0) / 11.8 (19.0)		11.8 (19.0) / 11.8 (19.0)		13.0 (21.0) / 13.0 (21.0)	
	Lifting	Full Load	fpm (mm/sec)	100 (510)		98 (500)		91 (460)	
		No Load	fpm (mm/sec)	108 (550)		100 (510)		94 (480)	
	Lowering	Full Load	fpm (mm/sec)	104 (530)		106 (540)		106 (540)	
		No Load	fpm (mm/sec)	94 (480)		96 (490)		96 (490)	
Drawbar Pull	Maximum	Full Load	lb (kg)	9900 (4500)		9900 (4500)		9900 (4500)	
		No Load	lb (kg)	2580 (1170)		2460 (1110)		3160 (1430)	
Gradeability	1 mph (1.5 km/h) ²	Full Load	%	37		30		25	
		Full Load	%	47		37		34	
	Maximum ²	No Load	%	19		15		18	
TRUCK WEIGHTS				8FGC35U		8FGC45U		8FGC55U	
Total Weight		lb (kg)		13730 (6240)		15520 (7040)		16540 (7500)	
Weight Distribution	Full Load (front / rear)	lb (kg)		18600 (8440) / 2850 (1300)		22130 (10040) / 3310 (1500)		25150 (11410) / 3510 (1590)	
	No Load (front / rear)	lb (kg)		5720 (2600) / 8010 (3640)		5510 (2500) / 10010 (4540)		5780 (2620) / 10760 (4880)	
TIRES				8FGC35U		8FGC45U		8FGC55U	
Tires	Number (front / rear)			2 / 2		2 / 2		2 / 2	
	Size	Front		22 x 12 x 16		22 x 12 x 16		22 x 12 x 16	
		Rear		18 x 6 x 12-1 / 8		18 x 7 x 12-1/8		18 x 8 x 12-1 / 8	
Wheelbase		in (mm)		61.8 (1570)		61.8 (1570)		70.5 (1790)	
Tread Width (front / rear)		in (mm)		43.9 (1115) / 41.4 (1050)		43.9 (1115) / 42.4 (1080)		43.9 (1115) / 43.5 (1105)	
Underclearance (full load)	Minimum with Load		in (mm)	3.3 (85)		3.3 (85)		3.3 (85)	
	Center of Wheelbase		in (mm)	5.7 (145)		5.7 (145)		5.7 (145)	
Brake	Service (foot) / Parking			Hydraulic <wet> / Hand		Hydraulic <wet> / Hand		Hydraulic <wet> / Hand	
POWER SYSTEM				8FGC35U		8FGC45U		8FGC55U	
Battery (5-hour rating)		V / Ah		12 / 48		12 / 48		12 / 48	
Internal Combustion Engine	Make / Model			TOYOTA 1FS		TOYOTA 1FS		TOYOTA 1FS	
	Rated Horsepower @ rpm	SAE HP		84 @ 2350		84 @ 2350		89 @ 2550	
		(kW)		(63 @ 2350)		(63 @ 2350)		(66 @ 2550)	
	Rated Torque @ rpm	SAE ft-lb		210 @ 1200 - 1400		210 @ 1200 - 1400		210 @ 1200 - 1400	
		(N-m)		(290 @ 1200 - 1400)		(290 @ 1200 - 1400)		(290 @ 1200 - 1400)	
	Number of Cylinders			4		4		4	
Piston Displacement		cu in (cc)	224 (3685)		224 (3685)		224 (3685)		
Fuel Tank Capacity		US gal (liter)	—		—		—		
Transmission	Type			Automatic		Automatic		Automatic	
	Speeds (forward / reverse)			1 / 1		1 / 1		1 / 1	
Auxiliary Hydraulic Function Specifications (for attachments) ³	Max. Operating Pressure		psi (kg/cm2)	2630 (185)		2630 (185)		2630 (185)	
	Max. Flow Rate		gpm (lpm)	33.8 (128)		33.8 (128)		33.8 (128)	

1 Centerline of front axle to front face of forks.
2 Computed values. Performance of LPG fuel system may be less than performance of standard model shown.
3 Values taken at Hydraulic Control Valve. Does not take in to consideration losses through mast plumbing (hosing, fittings, QDs, etc.).

MODEL NUMBERS

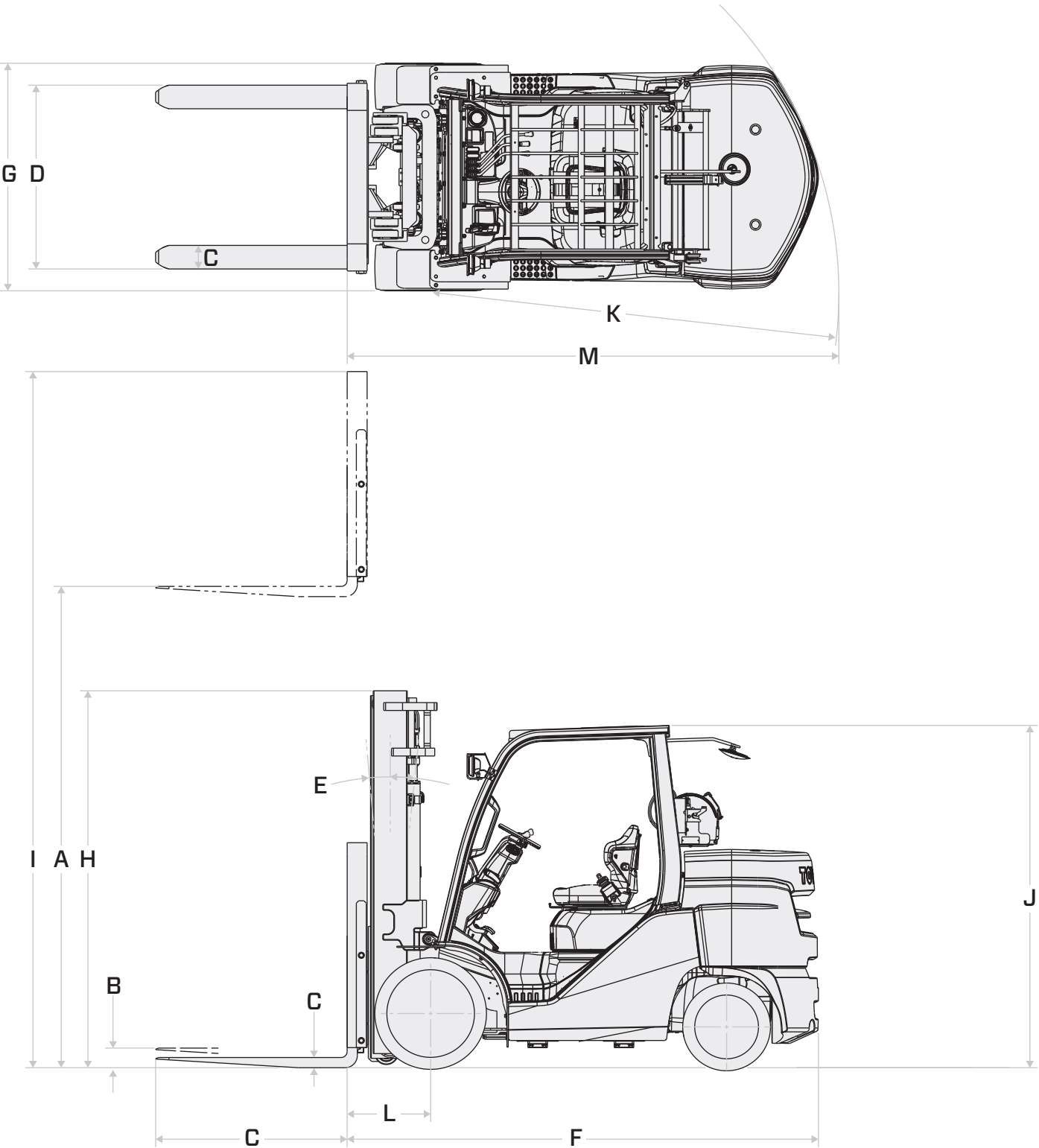
GENERAL DATA				8FGC60U	8FGC70U
Load Capacity			lb (kg)	13500 (6000)	15500 (7000)
Power Type				LPG	LPG
Operator Position				Seated Rider	Seated Rider
Tire Type	Front / Rear			Cushion / Cushion	Cushion / Cushion
Wheels (x = driven)	Front / Rear			2x / 2	2x / 2
EXTERIOR DIMENSIONS				8FGC60U	8FGC70U
A	Maximum Fork Height (top of forks)		in (mm)	120.5 (3060)	120.6 (3065)
B	Free-Lift (top of forks)		in (mm)	4.9 (125)	4.9 (125)
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)
D	Fork Spread Max. / Min. (outer edge to edge)		in (mm)	46.1 / 11.8 (1170 / 300)	46.1 / 11.8 (1170 / 300)
E	Tilt Range (forward / backward)		deg	5 / 6	5 / 6
F	Length to Fork Face		in (mm)	118.1 (3000)	118.1 (3000)
G	Overall Width		in (mm)	57.1 (1450)	57.1 (1450)
H	Mast Lowered Height		in (mm)	94.5 (2400)	94.5 (2400)
I	Mast Extended Height (top of load backrest)		in (mm)	174.6 (4435)	174.6 (4435)
J	Overhead Guard Height		in (mm)	86 (2185)	86 (2185)
K	Turning Radius (inside / outside)		in (mm)	102 (2590)	102 (2590)
L	Load Distance ¹		in (mm)	20.9 (530)	20.9 (530)
M	Basic Right-Angle Stacking Aisle Width		in (mm)	123 (3120)	123 (3120)
PERFORMANCE DATA				8FGC60U	8FGC70U
Speeds	Maximum Travel (forward / reverse)	Full Load	mph (km/h)	13.0 (21.0) / 13.0 (21.0)	13.0 (21.0) / 13.0 (21.0)
		No Load	mph (km/h)	13.0 (21.0) / 13.0 (21.0)	13.0 (21.0) / 13.0 (21.0)
	Lifting	Full Load	fpm (mm/sec)	81 (410)	81 (410)
		No Load	fpm (mm/sec)	87 (440)	87 (440)
	Lowering	Full Load	fpm (mm/sec)	104 (530)	104 (530)
		No Load	fpm (mm/sec)	94 (480)	94 (480)
Drawbar Pull	Maximum	Full Load	lb (kg)	9900 (4500)	9900 (4500)
		No Load	lb (kg)	4160 (1890)	4100 (1860)
Gradeability	1 mph (1.5km/h) ²	Full Load	%	23	20
		Full Load	%	31	28
	Maximum ²	No Load	%	20	18
TRUCK WEIGHTS				8FGC60U	8FGC70U
Total Weight			lb (kg)	19470 (8840)	20870 (9480)
Weight Distribution	Full Load (front / rear)		lb (kg)	28800 (13070) / 3890 (1770)	32310 (14660) / 4000 (1820)
	No Load (front / rear)		lb (kg)	7640 (3470) / 11830 (5370)	7590 (3450) / 13280 (6030)
TIRES				8FGC60U	8FGC70U
Tires	Number (front / rear)			36193	36193
	Size	Front		28 x 12 x 22	28 x 12 x 22
		Rear		22 x 8 x 16	22 x 8 x 16
Wheelbase			in (mm)	74.2 (1885)	74.2 (1885)
Tread Width (front / rear)		in (mm)	45.1 (1145) / 42.9 (1090)	45.1 (1145) / 42.9 (1090)	
Underclearance (full load)	Minimum with Load		in (mm)	3.3 (85)	3.3 (85)
	Center of Wheelbase		in (mm)	7.1 (180)	7.1 (180)
Brake	Service (foot) / Parking			Hydraulic <wet> / Hand	Hydraulic <wet> / Hand
POWER SYSTEM				8FGC60U	8FGC70U
Battery (5-hour rating)			V / Ah	12 / 48	12 / 48
Internal Combustion Engine	Make / Model			TOYOTA 1FS	TOYOTA 1FS
	Rated Horsepower @ rpm	SAE HP		89 @ 2550	89 @ 2550
		(kW)		(66 @ 2550)	(66 @ 2550)
	Rated Torque @ rpm	SAE ft-lb		210 @ 1200 - 1400	210 @ 1200 - 1400
		(N-m)		(290 @ 1200 - 1400)	(290 @ 1200 - 1400)
	Number of Cylinders			4	4
	Piston Displacement		cu in (cc)	224 (3685)	224 (3685)
Fuel Tank Capacity		US gal (liter)	—	—	
Transmission	Type			Automatic	Automatic
	Speeds (forward / reverse)			1 / 1	1 / 1
Auxiliary Hydraulic Function Specifications (for attachments) ³	Max. Operating Pressure		psi (kg/cm2)	2990 (210)	2990 (210)
	Max. Flow Rate		gpm (lpm)	33.8 (128)	33.8 (128)

¹ Centerline of front axle to front face of forks.

² Computed values. Performance of LPG fuel system may be less than performance of standard model shown.

³ Values taken at Hydraulic Control Valve. Does not take in to consideration losses through mast plumbing (hosing, fittings, QDs, etc.).

EXTERIOR DIMENSIONS





MAST SPECIFICATIONS

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT			FREE-LIFT		TILT RANGE		LOAD CAPACITY AT 24 IN. (610 MM) LOAD CENTER	
		LOWERED	EXTENDED		WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST	FWD	BWD	STANDARD TREAD	WIDE TREAD
			WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST¹						
	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)	lb (kg)
8FGC35U										
Wide Visible (V)	120 (3050)	81.1 (2060)	149.6 (3800)	168.1 (4270)	4.3 (110)	4.3 (110)	5	6	8000 (3500)	8000 (3500)
	132 (3350)	88.2 (2240)	161.4 (4100)	179.9 (4570)	4.3 (110)	4.3 (110)	5	6	8000 (3500)	8000 (3500)
	147.5 (3750)	96.1 (2440)	177.2 (4500)	195.7 (4970)	4.3 (110)	4.3 (110)	5	6	8000 (3500)	8000 (3500)
Full Free-Lift 2-Stage (FV)	120 (3050)	81.1 (2060)	150.8 (3830)	168.1 (4270)	50.4 (1280)	33.1 (840)	5	6	8000 (3500)	8000 (3500)
	132 (3350)	88.2 (2240)	162.6 (4130)	179.9 (4570)	57.5 (1460)	40.2 (1020)	5	6	8000 (3500)	8000 (3500)
Full Free-Lift 3-Stage (FSV)²	159.5 (4050)	81.1 (2060)	190.9 (4850)	207.5 (5270)	49.6 (1260)	33.1 (840)	5	5	8000 (3500)	8000 (3500)
	171.5 (4350)	83.1 (2110)	202.8 (5150)	219.3 (5570)	51.6 (1310)	35.0 (890)	5	5	8000 (3500)	8000 (3500)
	187 (4750)	88.2 (2240)	218.5 (5550)	235.0 (5970)	56.7 (1440)	40.2 (1020)	5	5	8000 (3500)	8000 (3500)
	199 (5050)	92.1 (2340)	230.3 (5850)	246.9 (6270)	60.6 (1540)	44.1 (1120)	5	5	7730 (3500)	7730 (3500)
	218.5 (5550)	98.0 (2490)	250.0 (6350)	266.5 (6770)	66.5 (1690)	50.0 (1270)	5	5	7470 (3400)	7470 (3400)
	238 (6050)	105.9 (2690)	269.7 (6850)	286.2 (7270)	74.4 (1890)	57.9 (1470)	5	5	N/A	6500 (2950)

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT			FREE-LIFT		TILT RANGE		LOAD CAPACITY AT 24 IN. (610 MM) LOAD CENTER
		LOWERED	EXTENDED		WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST	FWD	BWD	WIDE TREAD
			WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST¹					
	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)
8FGC45U									
Wide Visible (V)	120 (3050)	83.1 (2110)	152.0 (3860)	168.1 (4270)	4.3 (110)	4.3 (110)	5	6	10000 (4500)
	132 (3350)	92.1 (2340)	163.8 (4160)	179.9 (4570)	4.3 (110)	4.3 (110)	5	6	10000 (4500)
	147.5 (3750)	100.0 (2540)	179.5 (4560)	195.7 (4970)	4.3 (110)	4.3 (110)	5	6	10000 (4500)
Full Free-Lift 2-Stage (FV)	120 (3050)	83.1 (2110)	152.2 (3865)	168.1 (4270)	51.0 (1295)	35.0 (890)	5	6	10000 (4500)
	132 (3350)	92.1 (2340)	164.0 (4165)	179.9 (4570)	60.0 (1525)	44.1 (1120)	5	6	10000 (4500)
Full Free-Lift 3-Stage (FSV)	159.5 (4050)	81.1 (2060)	191.5 (4865)	207.5 (5270)	49.0 (1245)	33.1 (840)	5	5	10000 (4500)
	171.5 (4350)	85.6 (2175)	203.4 (5165)	219.3 (5570)	53.5 (1360)	37.6 (955)	5	5	10000 (4500)
	187 (4750)	92.1 (2340)	219.1 (5565)	235.0 (5970)	60.0 (1525)	44.1 (1120)	5	5	10000 (4500)
	199 (5050)	98.0 (2490)	230.9 (5865)	246.9 (6270)	65.9 (1675)	50.0 (1270)	5	5	10000 (4500)
	218.5 (5550)	105.9 (2690)	250.6 (6365)	266.5 (6770)	73.8 (1875)	57.9 (1470)	5	5	9650 (4370)
	238 (6050)	115.8 (2940)	270.3 (6865)	286.2 (7270)	83.7 (2125)	67.7 (1720)	5	5	8820 (4000)

1 Height of standard load backrest is 48" (1220 mm).
2 238 FSV requires wide tread.

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT			FREE-LIFT		TILT RANGE		LOAD CAPACITY AT 24 IN. (610 MM) LOAD CENTER
		LOWERED	EXTENDED		WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST	FWD	BWD	WIDE TREAD
			WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST ¹					
	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)
8FGC55U									
Wide Visible (V)	120.5 (3060)	86.6 (2200)	152.8 (3880)	174.6 (4435)	4.7 (120)	4.7 (120)	5	6	12000 (5500)
	132.5 (3360)	92.5 (2350)	164.6 (4180)	186.4 (4735)	4.7 (120)	4.7 (120)	5	6	12000 (5500)
	148 (3760)	102.4 (2600)	180.3 (4580)	202.2 (5135)	4.7 (120)	4.7 (120)	5	6	12000 (5500)
Full Free-Lift 3-Stage (FSV)	160 (4060)	81.1 (2060)	191.9 (4875)	214.0 (5435)	45.7 (1160)	27.2 (690)	5	6	12000 (5500)
	171.5 (4360)	85.6 (2175)	203.7 (5175)	225.8 (5735)	50.2 (1275)	31.7 (805)	5	6	12000 (5500)
	187.5 (4760)	92.1 (2340)	219.4 (5573)	241.5 (6135)	56.7 (1440)	38.2 (970)	5	6	12000 (5500)
	199 (5060)	98.0 (2490)	231.3 (5875)	253.4 (6435)	62.6 (1590)	44.1 (1120)	5	6	11800 (5350)
	211 (5360)	99.6 (2530)	243.1 (6175)	265.2 (6735)	64.2 (1630)	45.7 (1160)	5	6	11500 (5200)
	219 (5560)	102.4 (2600)	251.0 (6375)	273.0 (6935)	66.9 (1700)	48.4 (1230)	5	6	11500 (5200)
	238.5 (6060)	115.8 (2940)	270.7 (6875)	292.7 (7435)	80.3 (2040)	61.8 (1570)	5	6	11150 (5050)

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT			FREE-LIFT		TILT RANGE		LOAD CAPACITY AT 24 IN. (610 MM) LOAD CENTER
		LOWERED	EXTENDED		WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST	FWD	BWD	WIDE TREAD
			WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST ¹					
	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)
8FGC60U									
Wide Visible (V)	120.5 (3065)	94.5 (2400)	154.3 (3920)	174.6 (4435)	4.9 (125)	4.9 (125)	5	6	13500 (6000)
	132.5 (3365)	100.4 (2550)	166.1 (4220)	186.4 (4735)	4.9 (125)	4.9 (125)	5	6	13500 (6000)
	148 (3765)	108.3 (2750)	181.9 (4620)	202.2 (5135)	4.9 (125)	4.9 (125)	5	6	13500 (6000)
Full Free-Lift 3-Stage (FSV)	160 (4065)	90.6 (2300)	194.5 (4940)	214.0 (5435)	56.1 (1425)	36.6 (930)	5	6	13500 (6000)
	172 (4365)	94.5 (2400)	206.3 (5240)	225.8 (5735)	60.0 (1525)	40.6 (1030)	5	6	13500 (6000)
	187.5 (4765)	98.0 (2490)	222.1 (5640)	241.5 (6135)	63.6 (1615)	44.1 (1120)	5	6	13300 (6000)
	199.5 (5065)	108.3 (2750)	233.9 (5940)	253.4 (6435)	73.8 (1875)	54.3 (1380)	5	6	13100 (5940)
	219 (5565)	118.1 (3000)	253.5 (6440)	273.0 (6935)	83.7 (2125)	64.2 (1630)	5	6	12750 (5780)
	239 (6065)	120.1 (3050)	273.2 (6940)	292.7 (7435)	85.6 (2175)	66.1 (1680)	5	6	12350 (5600)

¹ Height of standard load backrest is 54" (1370 mm).

MAST SPECIFICATIONS

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT			FREE-LIFT		TILT RANGE		LOAD CAPACITY AT 24 IN. (610 MM) LOAD CENTER
		LOWERED	EXTENDED		WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST	FWD	BWD	WIDE TREAD
			WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST¹					
			in (mm)	in (mm)					
8FGC70U									
Wide Visible (V)	120.6 (3065)	94.5 (2400)	154.3 (3920)	174.6 (4435)	4.9 (125)	4.9 (125)	5	6	15500 (7000)
	132.5 (3365)	100.4 (2550)	166.1 (4220)	186.4 (4735)	4.9 (125)	4.9 (125)	5	6	15500 (7000)
	148 (3765)	108.3 (2750)	181.9 (4620)	202.2 (5135)	4.9 (125)	4.9 (125)	5	6	15500 (7000)
Full Free-Lift 3-Stage (FSV)	160 (4065)	90.6 (2300)	194.5 (4940)	214.0 (5435)	56.1 (1425)	36.6 (930)	5	6	15350 (6960)
	172 (4365)	94.5 (2400)	206.3 (5240)	225.8 (5735)	60.0 (1525)	40.6 (1030)	5	6	15350 (6960)
	187.5 (4765)	98.0 (2490)	222.1 (5640)	241.5 (6135)	63.6 (1615)	44.1 (1120)	5	6	15000 (6800)
	199.5 (5065)	108.3 (2750)	233.9 (5940)	253.4 (6435)	73.8 (1875)	54.3 (1380)	5	6	14700 (6660)
	219 (5565)	118.1 (3000)	253.5 (6440)	273.0 (6935)	83.7 (2125)	64.2 (1630)	5	6	14300 (6480)
	239 (6065)	120.1 (3050)	273.2 (6940)	292.7 (7435)	85.6 (2175)	66.1 (1680)	5	6	13900 (6300)

¹ Height of standard load backrest is 54" (1370 mm).