

LARGE IC CUSHION



8000 - 15500 LBS.

SPECIFICATIONS



50-8FGC35U-70U

CLASS
4

INTERNAL COMBUSTION ENGINE CUSHION TIRE

[ToyotaForklift.com](https://www.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
- SEaS
- EZ Fingertip Controls®

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



TRUCK SPECIFICATIONS

				MODEL NUMBERS					
GENERAL DATA				50-8FGC35U		50-8FGC45U		50-8FGC55U	
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				50-8FGC35U		50-8FGC45U		50-8FGC55U	
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)		118 (2870)		118 (3000)	
PERFORMANCE DATA				50-8FGC35U		50-8FGC45U		50-8FGC55U	
Speeds ⁴	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				50-8FGC35U		50-8FGC45U		50-8FGC55U	
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				50-8FGC35U		50-8FGC45U		50-8FGC55U	
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				50-8FGC35U		50-8FGC45U		50-8FGC55U	
Battery (5-hour rating)		V / Ah		12 / 35		12 / 35		12 / 35	
Internal Combustion Engine ⁴	Make / Model			IFS-US		IFS-US		IFS-US	
	Rated Horsepower @ rpm	SAE HP		87 @ 2330		87 @ 2330		88 @ 2530	
		(kW)		(65 @ 2330)		(65 @ 2330)		(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)		—		—		—	
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.).
4 Estimated based on preliminary performance test data

MODEL NUMBERS

GENERAL DATA				50-8FGC60U	50-8FGC70U
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				50-8FGC60U	50-8FGC70U
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				50-8FGC60U	50-8FGC70U
Speeds ⁴	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				50-8FGC60U	50-8FGC70U
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				50-8FGC60U	50-8FGC70U
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				50-8FGC60U	50-8FGC70U
Battery (5-hour rating)		V / Ah		12 / 35	12 / 35
Internal Combustion Engine ⁴	Make / Model			1FS-US	1FS-US
	Rated Horsepower @ rpm	SAE HP		88 @ 2530	88 @ 2530
		(kW)		(66 @ 2530)	(66 @ 2530)
	Rated Torque @ rpm	SAE ft-lb		212 @ 1500	212 @ 1500
		(N-m)		(288 @ 1500)	(288 @ 1500)
	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)

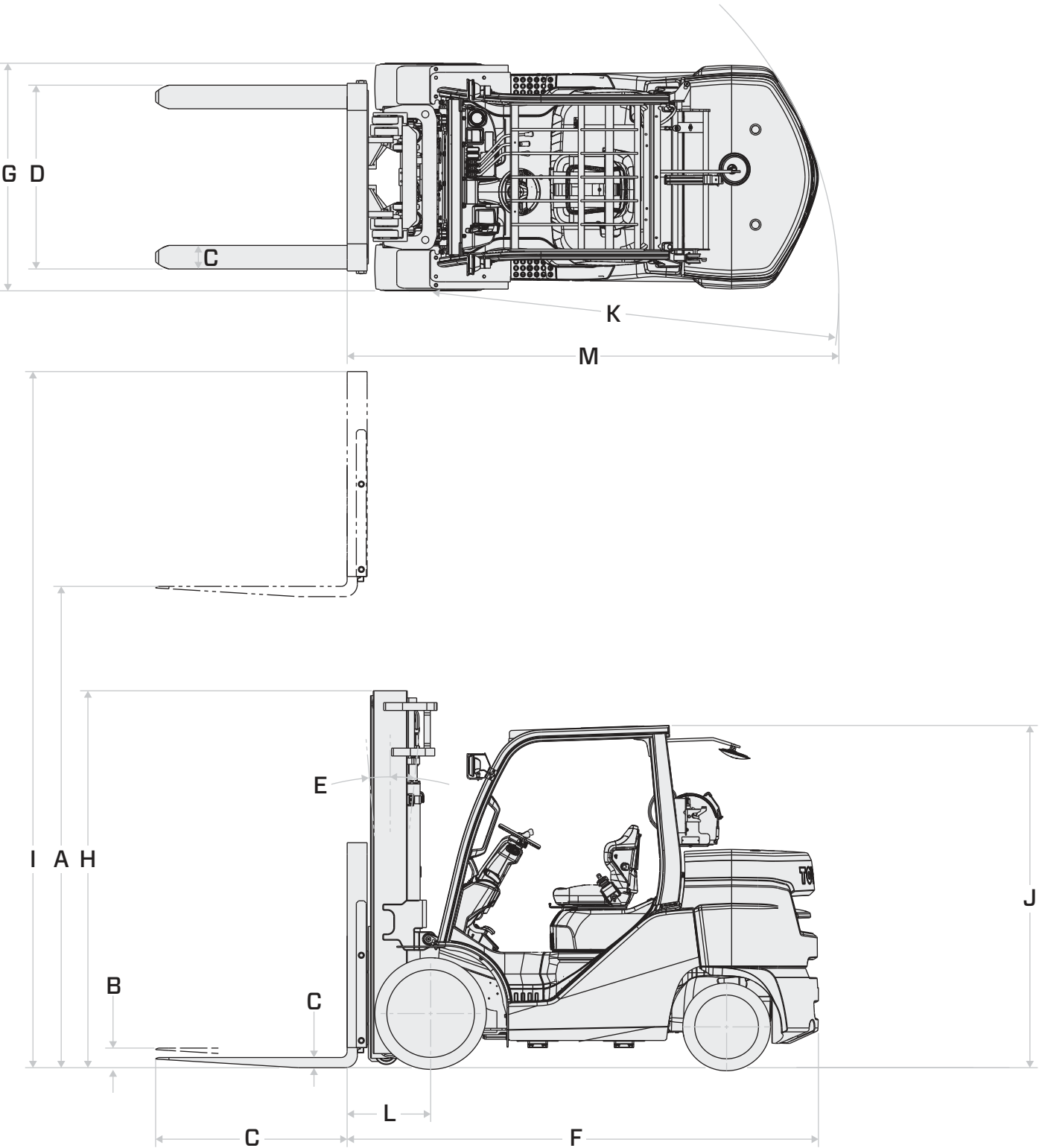
1 Centerline of front axle to front face of forks.

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.).

4 Estimated based on preliminary performance test data

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)
50-8FGC35U										
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)
50-8FGC45U									
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)
50-8FGC55U									
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)
50-8FGC60U									
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 BACKREST ¹					
	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)
50-8FGC70U									
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).





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