

7-SERIES CUSHION

3,000 – 6,500 LBS



SPECIFICATIONS



6,000 – 6,500 lbs. Mast Specifications

7FGCU30

Mast Type	Maximum Fork Height (top of forks)	Overall Height			Free Lift		Tilt Range		Load Capacity at 24" Load Center	
		Lowered	Extended		Without LBR	With Standard LBR	FWD	BWD	Standard Tread	Optional Wide Tread
			Without LBR	With Standard LBR						
	in.	in.	in.	in.	in.	deg.	deg.	lbs.	lbs.	
V	80.5	57.5	106.1	128.5	5.3	5.3	6	8	6000	6000
	100	67.3	125.8	148.2	5.3	5.3	6	10	6000	6000
	108	71.3	133.7	156.1	5.3	5.3	6	10	6000	6000
	119.5	77.2	145.5	167.9	5.3	5.3	6	10	6000	6000
	131.5	83.1	157.3	179.7	5.3	5.3	6	10	6000	6000
	139.5	87	165.2	187.6	5.3	5.3	6	10	6000	6000
	147	93.3	173	195.5	5.3	5.3	6	10	6000	6000
	159	100.8	184.8	207.3	5.3	5.3	6	10	6000	6000
	178.5	110.6	204.5	227	5.3	5.3	6	5	6000	6000
FV	80.5	57.5	100.8	128.5	33.3	9.5	6	8	6000	6000
	100	67.3	120.5	148.2	43.1	19.3	6	10	6000	6000
	108	71.3	128.3	156.1	47	23.3	6	10	6000	6000
	119.5	77.2	140.2	167.9	53	29.2	6	10	6000	6000
	131.5	83.1	152	179.7	58.9	35.1	6	10	6000	6000
	139.5	87	159.8	187.6	62.8	39	6	10	6000	6000
	147	93.3	167.7	195.5	69.1	45.3	6	10	6000	6000
	159	100.8	179.5	207.3	76.6	52.8	6	10	6000	6000
	178.5	110.6	199.3	227	84.1	60.3	6	5	6000	6000
FSV	147	73.2	167.7	195.5	49	25.2	6	5	6000	6000
	159	77.2	179.5	207.3	53	29.1	6	5	6000	6000
	171	83.1	191.3	219.1	58.9	35.1	6	5	6000	6000
	187	87	207.7	235	62.8	39	6	5	5900	5900
	198.5	93.3	218.9	246.7	69.1	45.3	6	5	5850	5850
	218	100.8	238.6	266.3	76.6	52.8	6	5	5300	5600
	237.5	110.6	258.3	286	86.4	62.6	6	5	4000	5150
	276	120.5	278	305.8	96.2	72.6	6	5	3500	4650
QFV	240	83	261	288	62	35	6	5	3850	4450
	258	89	279	306	66	39	6	5	2650	3250
	276	95	297	324	72	45	6	5	1650	1900

Note: Height of standard load backrest is 48 in.

7FGCU32

Mast Type	Maximum Fork Height (top of forks)	Overall Height			Free Lift		Tilt Range		Load Capacity at 24" Load Center	
		Lowered	Extended		Without LBR	With Standard LBR	FWD	BWD	Standard Tread	Optional Wide Tread
			Without LBR	With Standard LBR						
	in.	in.	in.	in.	in.	deg.	deg.	lbs.	lbs.	
V	80.5	57.5	106.1	128.5	5.3	5.3	6	8	6500	6500
	100	67.3	125.8	148.2	5.3	5.3	6	10	6500	6500
	108	71.3	133.7	156.1	5.3	5.3	6	10	6500	6500
	119.5	77.2	145.5	167.9	5.3	5.3	6	10	6500	6500
	131.5	83.1	157.3	179.7	5.3	5.3	6	10	6500	6500
	139.5	87	165.2	187.6	5.3	5.3	6	10	6500	6500
	147	93.3	173	195.5	5.3	5.3	6	10	6500	6500
	159	100.8	184.8	207.3	5.3	5.3	6	10	6500	6500
	178.5	110.6	204.5	227	5.3	5.3	6	5	6500	6500
FV	80.5	57.5	105.9	128.5	28.1	9.5	6	8	6500	6500
	100	67.3	125.6	148.2	38	19.3	6	10	6500	6500
	108	71.3	133.5	156.1	41.9	23.3	6	10	6500	6500
	119.5	77.2	145.3	167.9	47.8	29.2	6	10	6500	6500
	131.5	83.1	157.1	179.7	53.7	35.1	6	10	6500	6500
	139.5	87	165	187.6	57.7	39	6	10	6500	6500
	147	93.3	172.8	195.5	64	45.3	6	10	6500	6500
	159	100.8	184.6	207.3	71.5	52.8	6	10	6500	6500
	178.5	110.6	199.4	227	79	60.3	6	5	6500	6500
FSV	147	73.2	172.8	195.5	43.9	25.2	6	5	6500	6500
	159	77.2	184.6	207.3	47.8	29.2	6	5	6500	6500
	171	83.1	196.5	219.1	53.7	35.1	6	5	6500	6500
	187	87	212.8	235	57.7	39	6	5	6500	6500
	198.5	93.3	224	246.7	64	45.3	6	5	6500	6500
	218	100.8	243.7	266.3	71.5	52.8	6	5	5050	6150
	237.5	110.6	263.4	286	81.3	62.6	6	5	3500	4850
	276	120.5	283	305.8	91.1	72.6	6	5	3000	3950
QFV	240	83	261	288	62	35	6	5	3750	4200
	258	89	279	306	66	39	6	5	2500	3150
	276	95	297	324	72	45	6	5	1400	1800

Note: Height of standard load backrest is 48 in.

Some product features described herein are optional. Please consult your dealer for specifications. Details and specifications of equipment are based on information available at the time of printing and may change without notice.

3,000 – 6,500 lbs. Standard Features

SAFETY

- CARB/EPA certified engine with 3-way closed loop catalytic muffler system
- System of Active Stability (SAS)
 - Active control rear stabilizer
 - Active mast control function
 - SAS operation monitor
- Key lowering interlock
- Drift control system
- Double action parking brake
- Electric horn
- Neutral engine start safety switch
- Asbestos free components

PERFORMANCE

- Toyota 136 cu. in., 4-cylinder, OHV gasoline engine (4Y)
- Automatic choke (gasoline engines only)
- UL "G" gasoline engine
- Alternator with built-in IC regulator
- Transistorized ignition assembly
- Anti-restart ignition key switch
- Automatic transmission with oil cooler
- Full floating powertrain
- Unified differential housing and differential carrier
- Hydraulic valve lifters
- High cooling capacity radiator with fan shroud
- Large capacity engine cooling fan
- 7-inch cyclone air cleaner with high positioned external air intake (6-inch diameter on 7FGCU15.18.S20)
- Low maintenance battery
- Welded, steel mudguards

OPERABILITY AND ERGONOMICS

- Ergonomically designed instrument display
- Integrated monitoring system - includes
 - Digital hour meter
 - Battery charge warning lamp
 - Engine coolant temperature gauge
 - Engine oil pressure warning lamp
 - Clogged air filter warning lamp
 - Fuel gauge (gasoline only)
 - SAS warning lamp
 - Swing lock cylinder activation lamp
- 2-stage limited free lift mast (V)
- Wide-view carriage bars
- Electric shift control
- Integrated head light and turn signal lever
- Automatic fork leveling
- Memory-tilt steering column
- Two-spoke steering wheel
- Hydrostatic power steering
- Heavy-duty non-slip floor mat
- Rubber mounting of hydraulic control valve
- Cowl-mount hydraulic control levers with rubber boot covers
- Non-slip hand pad on engine hood
- Dual operator assist grips
- Low wide entry steps
- Large hood mounted clipboard
- Dash integrated pen/pencil/cup holder
- Draw bar pin
- Load backrest extension
- Adjustable front headlights and guards
- Pendant-mounted pedals
- Independent brake & inching pedals
- 4-Way adjustable semi-suspension seat
 - Fore/aft adjustment
 - Weight adjustment
 - Back tilt adjustment
 - Lumbar support adjustment

SERVICEABILITY

- Easy access no-tools floorboard
- Fully opening and sealed-closure steel engine hood
- Easy access radiator cover
- Engine hood assist damper with lock device
- At-a-glance coolant recovery system and brake fluid reservoir
- Air cleaner discharge valve

3,000 – 6,500 lbs. Optional Equipment

- Travel Speed Control System
- High mount rear combination lights
 - brakes
 - clearance back-up lights
 - turn signals
- EZ-Pedal foot directional control
- Engine shutdown device
- OK monitor
- Plate fin radiator (Box fin pattern)
- Radiator screen
- Fire extinguisher
- Wide-view full free lift 2-stage mast (FV)
- Wide-view full free lift 3-stage mast (FSV)
- Wide-view full free lift 4-stage mast (OFV) (7FGCU20.25.30.32)
- Keyless ignition switch
- Front combination lights
 - clearance lights
 - turn signal
- Tilt cylinder boots
- Polished and tapered forks
- Side-shifter attachment
- Bottler's tilt
- LPG low-fuel warning light and alarm
- Catalytic muffler
- High capacity alternator with built-in regulator
- Strobe lights
 - yellow
 - red
 - blue
 - clear
- Step mounted tool box with cover
- Back-up alarms
- 4-way cloth semi-suspension seat
- 3-way full-suspension seat
- Combination brake/inching pedal
- Pre-cleaner for air intake
- Left- and right-hand rear-view mirrors
- Wide tread tires
- UL "GS" gasoline model
- 4Y-ECS gasoline engine (option on 7FGCU20.25.30.32)
- LPG fuel system configurations with swing out tank bracket and one touch latch system
 - UL-LP
 - UL-LPS
 - UL-LP/G dual fuel
- Optional swing down feature for LPG tank bracket

3,000 – 6,500 lbs. Truck Specifications

Models		7FGCU15	7FGCU18	7FGCSU20	7FGCU20	7FGCU25	7FGCU30	7FGCU32
Load Capacity (at 24" Load Center)	lbs.	3000	3500	4000	4000	5000	6000	6500
Body/Frame Construction		Welded steel body and frame						
Steering Type		Hydrostatic power steering						
Brakes		Hydraulic (foot)						
Transmission	Type	Powershift						
	Speeds (fwd/rev)	1/1						
Engine	Make/Model	TOYOTA 4Y						
	Type	4 cylinder gasoline						
Piston Displacement	cu. in.	136	136	136	136	136	136	136
Rated Horsepower - Net rpm	SAE HP	43 @ 2100 rpm	43 @ 2100 rpm	44 @ 2100 rpm	47 @ 2300 rpm	47 @ 2300 rpm	47 @ 2300 rpm	47 @ 2300 rpm
Rated Torque - Net rpm	SAE ft.-lb.	118 @ 1600 rpm	118 @ 1600 rpm	119 @ 1800 rpm	118 @ 1800 rpm	118 @ 1800 rpm	118 @ 1800 rpm	118 @ 1800 rpm

EXTERIOR DIMENSIONS

Models		7FGCU15	7FGCU18	7FGCSU20	7FGCU20	7FGCU25	7FGCU30	7FGCU32
A	Maximum Fork Height (MFH)	in.	131	131	131.5	131.5	131.5	131.5
B	Mast Lowered Height	in.	83.1	83.1	83.1	83.3	83.1	83.1
C	Free Lift	in.	5.7	5.7	5.9	6.1	5.3	5.3
D	Load Distance*	in.	15.7	15.7	16.3	16.7	17.7	17.7
E	Wheelbase	in.	48.2	48.2	48.2	55.5	55.5	55.5
F	Fork Size (TxWxL)	in.	1.4x4x42	1.4x4x42	1.6x5x42	1.6x5x42	1.6x5x42	1.8x5x42
G	Length to Fork Face	in.	82.3	84.6	86.4	91.2	93.7	98.6
H	Overhead Guard Height	in.	80.1	80.1	80.1	80.7	80.7	80.7
I	Tilt Range (Fwd/Bwd)	deg	6/10	6/10	6/10	6/10	6/10	6/10
J	Outside Turning Radius	in.	67.5	70	71.3	75.6	77.6	81.1
K	Rt Angle Stacking Aisle Width**	in.	83.5	86	87.6	92.3	94.3	98.8
L	Overall Width	in.	37.2	37.2	37.2	41.9	41.9	43.7
M	Carriage Width	in.	32	32	32	36	36	38
N	Std Tread Width (Front/Rear)	in.	31.3/32.7	31.3/32.7	31.3/32.7	35.0/36.0	35.0/36.0	35.8/36.0
O	Underclearance	Minimum w/ load	in.	2.8	2.9	2.9	2.9	2.8
		Center of W.B.	in.	4.3	4.3	4.3	4.3	4.3

PERFORMANCE DATA

Maximum Travel Speed	Full Load	Forward	mph	10.9	10.9	10.9	10.6	10.6	10.6	10.6
		Reverse	mph	10.9	10.9	10.9	10.6	10.6	10.6	10.6
	No Load	Forward	mph	10.9	10.9	10.9	10.6	10.6	10.6	10.6
		Reverse	mph	10.9	10.9	10.9	10.6	10.6	10.6	10.6
Lifting Speeds (V mast)	Full Load	fpm	108	108	108	118	118	100	100	
	No Load	fpm	114	114	114	126	126	108	108	
Lowering Speeds (V mast)	Full Load	fpm	98	98	98	98	98	98	98	
	No Load	fpm	108	108	108	98	98	98	98	
Maximum Drawbar Pull	Full Load	lbs	3750	3750	3750	4200	4200	4200	4200	
	No Load	lbs	1550	1450	1450	1850	1750	1750	1750	
Maximum Gradeability	Full Load	%	43	40	35	36	31	25	25	
	No Load	%	20	18	18	21	17	16	16	

TRUCK WEIGHTS

Gross Weight (empty)		lbs	5890	6410	6900	7320	8210	9500	9910
Weight Distribution	Full Load	Front	lbs	7810	8560	9575	9930	11430	13440
		Rear	lbs	1080	1350	1325	1390	1780	2060
	No Load	Front	lbs	2340	2180	2200	3000	2760	2930
		Rear	lbs	3550	4230	4700	4320	5450	6570

FUEL CAPACITY

Gasoline Fuel Tank	US gal	7.1	7.1	7.1	11.9	11.9	11.9	11.9
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ATTACHMENT

Auxiliary Function Pressure Relief	psi	2275	2275	2275	2275	2275	2275	2275
Auxiliary Function Flow Rate (max)	gpm	16	16	16	20	20	20	20

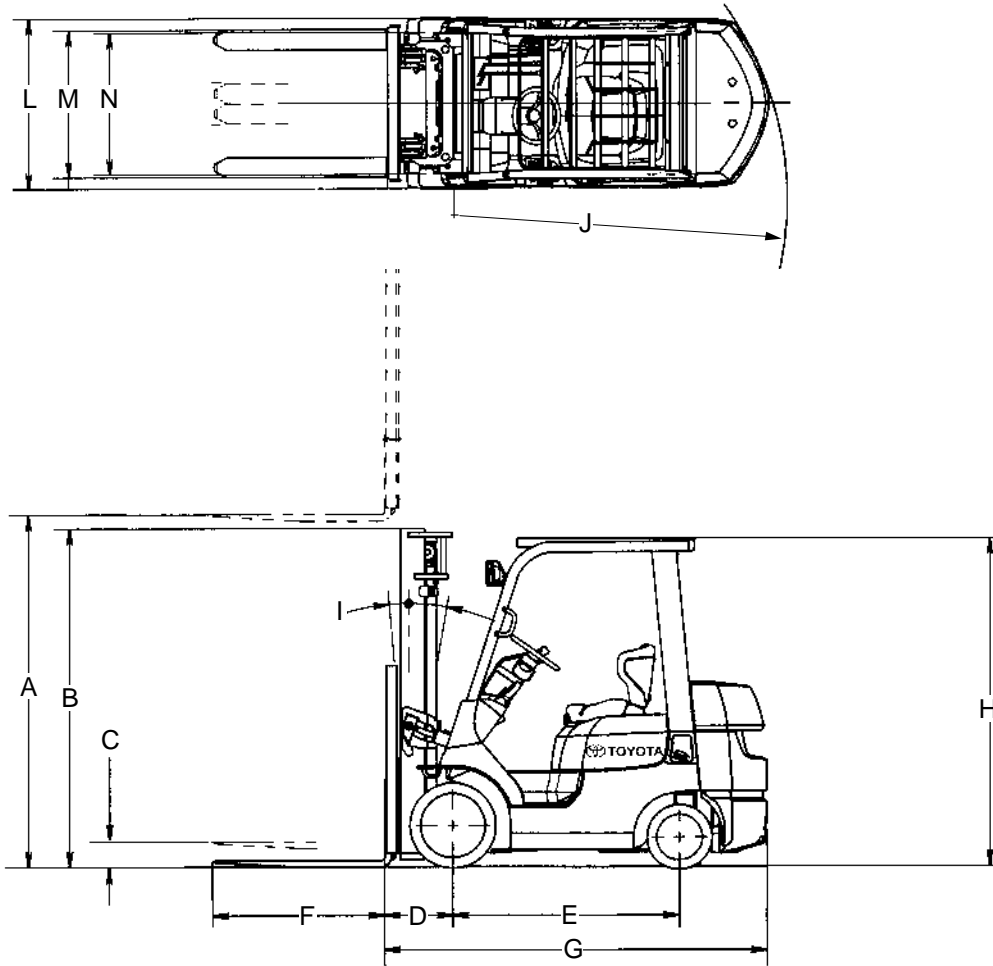
TIRES

Type (front/rear)		Cushion/Cushion						
Size	Drive (Front)	18x6x12-1/8			21x7x15		21x8x15	
	Steer (Rear)	14x4-1/2x8		14x5x10	16x5x10-1/2		16x6x10-1/2	

* Centerline of front axle to front face of forks

** Add load length and clearance

3,000 – 6,500 lbs. Truck Dimensions



7FGCU25 model shown above

3,000 – 3,500 lbs. Mast Specifications

7FGCU15 & 7FGCU18

Mast Type	Maximum Fork Height (top of forks)	Overall Height			Free Lift		Tilt Range		7FGCU15		7FGCU18		
		Lowered	Extended		Without Load Backrest	With Std. Load Backrest	FWD	BWD	Load Capacity at 24" Load Center		Tilt Range		Load Capacity at 24" Load Center
			Without Load Backrest	With Std. Load Backrest					Standard Tread	Optional Wide Tread	FWD	BWD	
	in.	in.	in.	in.	in.	deg.	deg.	lbs.	lbs.	deg.	deg.	lbs.	
V	80	57.5	101.2	128.1	5.7	5.7	6	5	3000	3000	6	5	3500
	99.5	67.3	120.9	147.8	5.7	5.7	6	10	3000	3000	6	10	3500
	107.5	71.3	128.7	155.7	5.7	5.7	6	10	3000	3000	6	10	3500
	119	77.2	140.6	167.5	5.7	5.7	6	10	3000	3000	6	10	3500
	131	83.1	152.4	179.3	5.7	5.7	6	10	3000	3000	6	10	3500
	139	87	164.2	187.2	5.7	5.7	6	10	3000	3000	6	10	3500
	147	93.3	168.1	195.1	5.7	5.7	6	10	3000	3000	6	10	3500
	158.5	100.8	179.9	206.9	5.7	5.7	6	10	3000	3000	6	10	3500
	178.5	110.6	199.6	226.6	5.7	5.7	6	5	3000	3000	6	5	3500
198	120.5	219.3	246.3	5.7	5.7	6	5	2800	3000	6	5	3450	
FV	80	57.5	99.4	128.1	36.8	9.5	6	5	3000	3000	6	5	3500
	99.5	67.3	119.1	147.8	46.7	19.3	6	10	3000	3000	6	10	3500
	107.5	71.3	127	155.7	50.6	23.3	6	10	3000	3000	6	10	3500
	119	77.2	138.8	167.5	56.5	29.2	6	10	3000	3000	6	10	3500
	131	83.1	150.6	179.3	62.4	35.1	6	10	3000	3000	6	10	3500
	139	87	158.5	187.2	66.4	39	6	10	3000	3000	6	10	3500
	147	93.3	166.3	195.1	72.6	45.3	6	10	3000	3000	6	10	3500
	158.5	100.8	178.1	206.9	80.1	52.8	6	10	3000	3000	6	10	3500
	178.5	110.6	199.3	226.6	87.6	60.3	6	5	3000	3000	6	5	3500
FSV	147	69.3	167.9	195.1	47	21.3	6	5	3000	3000	6	5	3500
	158.5	73.2	179.7	206.9	51	25.2	6	5	3000	3000	6	5	3500
	170.5	77.2	191.5	218.7	54.9	29.2	6	5	3000	3000	6	5	3500
	189	83.1	209.4	237	60.8	35.1	6	5	2950	2950	6	5	3250
	198	87	219.1	246.3	64.8	39	6	5	2850	2850	6	5	3200
	217.5	93.3	238.8	265.9	71.1	45.3	6	5	2300	2750	6	5	2800
	237.5	100.8	258.5	285.6	78.5	52.8	6	5	1550	2200	6	5	1700

Note: Height of standard load backrest is 48 in.

4,000 – 5,000 lbs. Mast Specifications

7FGCSU20

Mast Type	Maximum Fork Height (top of forks)	Overall Height			Free Lift		Tilt Range		Load Capacity at 24" Load Center
		Lowered	Extended		Without Load Backrest	With Std. Load Backrest	FWD	BWD	
			Without Load Backrest	With Std. Load Backrest					
in.	in.	in.	in.	in.	in.	deg.	deg.	lbs.	
V	80	57.5	101.2	128.3	5.7	5.7	6	5	4000
	100	67.3	120.9	148	5.7	5.7	6	10	4000
	107.5	71.3	128.7	155.9	5.7	5.7	6	10	4000
	119.5	77.2	140.6	167.7	5.7	5.7	6	10	4000
	131.5	83.1	152.4	179.5	5.7	5.7	6	10	4000
	139	87	164.2	187.4	5.7	5.7	6	10	4000
	147	93.3	168.1	195.3	5.7	5.7	6	10	4000
	159	100.8	179.9	207.1	5.7	5.7	6	10	4000
	178.5	110.6	199.6	226.8	5.7	5.7	6	5	3850
FV	80	57.5	99.4	128.4	36.8	9.5	6	5	4000
	100	67.3	119.1	148	46.7	19.3	6	10	4000
	107.5	71.3	127	155.9	50.6	23.3	6	10	4000
	119.5	77.2	138.8	167.7	56.5	29.2	6	10	4000
	131.5	83.1	150.6	179.5	62.4	35.1	6	10	4000
	139	87	158.5	187.4	66.4	39	6	10	4000
	147	93.3	166.3	195.3	72.6	45.3	6	10	4000
FSV	147	69.3	167.9	195.3	47	21.3	6	5	4000
	159	73.2	179.7	207.1	51	25.2	6	5	4000
	170.5	77.2	191.5	218.9	54.9	29.2	6	5	4000
	189	83.1	209.4	237.2	60.8	35.1	6	5	3750
	198	87	219.1	246.5	64.8	39	6	5	3400
	218	93.3	238.8	266.1	71.1	45.3	6	5	2400
237.5	100.8	258.5	285.8	78.5	52.8	6	5	1650	

Note: Height of standard load backrest is 48 in.

7FGCU20 & 7FGCU25

Mast Type	Maximum Fork Height (top of forks)	Overall Height			Free Lift		7FGCU20				7FGCU25			
		Lowered	Extended		Without Load Backrest	With Std. Load Backrest	Tilt Range		Load Capacity at 24" Load Center		Tilt Range		Load Capacity at 24" Load Center	
			Without Load Backrest	With Std. Load Backrest			FWD	BWD	Standard Tread	Optional Wide Tread	FWD	BWD	Standard Tread	Optional Wide Tread
in.	in.	in.	in.	in.	in.	deg.	deg.	lbs.	lbs.	deg.	deg.	lbs.	lbs.	
V	80	57.7	104.3	128.3	6.1	6.1	6	8	4000	4000	6	8	5000	5000
	100	67.5	124	148	6.1	6.1	6	8	4000	4000	6	8	5000	5000
	107.5	71.5	131.9	155.9	6.1	6.1	6	10	4000	4000	6	10	5000	5000
	119.5	77.4	143.7	167.7	6.1	6.1	6	10	4000	4000	6	10	5000	5000
	131.5	83.3	155.5	179.5	6.1	6.1	6	10	4000	4000	6	10	5000	5000
	139	87.2	163.4	187.4	6.1	6.1	6	10	4000	4000	6	10	5000	5000
	147	93.5	171.3	195.3	6.1	6.1	6	10	4000	4000	6	10	5000	5000
	159	101	183.1	207.1	6.1	6.1	6	10	4000	4000	6	10	5000	5000
	178.5	110.8	202.8	226.8	6.1	6.1	6	5	4000	4000	6	5	5000	5000
FV	80	57.7	99.8	126.3	36.4	9.7	6	8	4000	4000	6	8	5000	5000
	100	67.5	119.5	148	46.3	19.5	6	8	4000	4000	6	8	5000	5000
	107.5	71.5	127.4	155.9	50.2	23.5	6	10	4000	4000	6	10	5000	5000
	119.5	77.4	139.2	167.7	56.1	29.4	6	10	4000	4000	6	10	5000	5000
	131.5	83.3	151	179.5	62	35.3	6	10	4000	4000	6	10	5000	5000
	139	87.2	158.9	187.4	65.9	39.2	6	10	4000	4000	6	10	5000	5000
	147	93.5	166.7	195.3	72.2	45.5	6	10	4000	4000	6	10	5000	5000
FSV	147	69.5	170.9	195.3	44.1	21.5	6	5	4000	4000	6	5	5000	5000
	159	73.4	182.7	207.1	48	25.4	6	5	4000	4000	6	5	5000	5000
	170.5	77.4	194.5	218.9	52	29.4	6	5	4000	4000	6	5	5000	5000
	189	83.3	212.8	237	57.9	35.3	6	5	3950	3950	6	5	5000	5000
	198	87.2	222	246.5	61.8	39.2	6	5	3900	3900	6	5	4600	4600
	218	93.5	241.7	266.1	68.1	45.5	6	5	3550	3800	6	5	3850	4550
QFV	237.5	101	261.4	285.8	75.6	53	6	5	2800	3350	6	5	2400	3200
	240	83	261	288	62	35	6	5	2500	2900	6	5	2900	3800
	258	89	279	306	66	39	6	5	1750	2500	6	5	1950	2900
276	95	297	324	72	45	6	5	950	1850	6	5	1300	1950	

Note: Height of standard load backrest is 48 in.