

4,000 – 5,000 lbs • Mast Specifications

8FG(D)U20

Mast Type	Maximum Fork Height (top of forks)	Overall Height			Free Lift		Single Drive Tire				Optional Dual Drive Tires		
		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	Narrow Tread	Wide Tread	FWD	BWD	Opt Dual Drive
			in.	in.			deg.	deg.	lbs.	lbs.	deg.	deg.	lbs.
V	80	58.9	104.7	128.3	6.1	6.1	6	11	4000	4000	6	11	4000
	119.5	78.5	144.1	167.7	6.1	6.1	6	11	4000	4000	6	11	4000
	131.5	84.5	155.9	179.5	6.1	6.1	6	11	4000	4000	6	11	4000
	139	88.4	163.8	187.4	6.1	6.1	6	11	4000	4000	6	11	4000
	147	94.7	171.7	195.3	6.1	6.1	6	11	4000	4000	6	11	4000
	159	102.2	183.5	207.1	6.1	6.1	6	11	4000	4000	6	11	4000
FV	119.5	78.5	143.5	167.7	55.1	30.5	6	11	4000	4000	6	11	4000
	131.5	84.5	151.4	179.5	61	36.4	6	11	4000	4000	6	11	4000
	139	88.4	163.2	187.4	65	40.4	6	11	4000	4000	6	11	4000
FSV	159	74.6	181.5	206.7	52.4	26.6	6	6	4000	4000	6	6	4000
	170.5	78.5	193.3	218.5	56.3	30.5	6	6	4000	4000	6	6	4000
	189	84.5	211.4	236.6	62.2	36.4	6	6	3900	4000	6	6	4000
	198	88.4	220.9	246.1	66.1	40.4	6	6	3550	4000	6	6	4000
	218	94.7	240.6	265.7	72.4	46.7	6	6	2800	3500	6	6	3750
	237.5	102.2	260.2	285.4	79.9	54.2	6	6	2000	2550	6	6	3300
	257.5	112	279.9	305.1	89.8	64	—	—	—	—	6	6	3200
	277	121.9	299.6	324.8	99.6	73.9	—	—	—	—	6	6	2600

Note: Height of standard load backrest is 48 in.

8FG(D)U25

Mast Type	Maximum Fork Height (top of forks)	Overall Height			Free Lift		Single Drive Tire				Optional Dual Drive Tires		
		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	Narrow Tread	Wide Tread	FWD	BWD	Dual Drive
			in.	in.			deg.	deg.	lbs.	lbs.	deg.	deg.	lbs.
V	80	58.9	104.7	128.3	6.1	6.1	6	11	5000	5000	6	11	5000
	119.5	78.5	144.1	167.7	6.1	6.1	6	11	5000	5000	6	11	5000
	131.5	84.5	155.9	179.5	6.1	6.1	6	11	5000	5000	6	11	5000
	139	88.4	163.8	187.4	6.1	6.1	6	11	5000	5000	6	11	5000
	147	94.7	171.7	195.3	6.1	6.1	6	11	5000	5000	6	11	5000
	159	102.2	183.5	207.1	6.1	6.1	6	11	5000	5000	6	11	5000
FV	119.5	78.5	143.5	167.7	55.1	30.5	6	11	5000	5000	6	11	5000
	131.5	84.5	151.4	179.5	61	36.4	6	11	5000	5000	6	11	5000
	139	88.4	163.2	187.4	65	40.4	6	11	5000	5000	6	11	5000
FSV	159	74.6	181.5	206.7	52.4	26.6	6	6	5000	5000	6	6	5000
	170.5	78.5	193.3	218.5	56.3	30.5	6	6	5000	5000	6	6	5000
	189	84.5	211.4	236.6	62.2	36.4	6	6	3950	4850	6	6	4950
	198	88.4	220.9	246.1	66.1	40.4	6	6	3550	4500	6	6	4850
	218	94.7	240.6	265.7	72.4	46.7	6	6	2850	3850	6	6	4500
	237.5	102.2	260.2	285.4	79.9	54.2	6	6	2000	2550	6	6	3500
	257.5	112	279.9	305.1	89.8	64	—	—	—	—	6	6	3200
	277	121.9	299.6	324.8	99.6	73.9	—	—	—	—	6	6	2500

Note: Height of standard load backrest is 48 in.

6,000 – 6,500 lbs • Mast Specifications

8FG(D)U30

Mast Type	Maximum Fork Height (top of forks)	Overall Height			Free Lift		Single Drive Tire				Dual Drive Tires		
		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	Narrow Tread	Wide Tread	FWD	BWD	Dual Drive
			in.	in.			deg.	deg.	lbs.	lbs.	deg.	deg.	lbs.
V	80.5	59.6	108.3	128.5	5.3	5.3	6	11	6000	6000	6	11	6000
	119.5	79.3	147.6	167.9	5.3	5.3	6	11	6000	6000	6	11	6000
	131.5	85	159.4	179.7	5.3	5.3	6	11	6000	6000	6	11	6000
	139.5	89.2	167.3	187.6	5.3	5.3	6	11	6000	6000	6	11	6000
	147	95.5	175.2	195.5	5.3	5.3	6	11	6000	6000	6	11	6000
	159	103	187	207.3	5.3	5.3	6	11	6000	6000	6	11	6000
FV	119.5	79.3	144.1	167.9	55.1	31.3	6	11	6000	6000	6	11	6000
	131.5	85	155.9	179.7	61	37.2	6	11	6000	6000	6	11	6000
	139.5	89.2	163.8	187.6	65	41.2	6	11	6000	6000	6	11	6000
FSV	159	79.3	183.5	207.3	55.1	31.3	6	6	6000	6000	6	6	6000
	171	85.2	195.3	219.1	61	37.2	6	6	6000	6000	6	6	6000
	187	89.2	211.0	235	65	41.2	6	6	6000	6000	6	6	6000
	198.5	95.5	222.8	246.7	71.3	47.5	6	6	5600	5800	6	6	6000
	218	103	242.5	266.3	78.7	55	6	6	4200	5300	6	6	5600
	237.5	112.8	262.2	286	88.6	64.8	6	6	3100	3500	6	6	4300
	257.5	122.6	281.9	305.7	98.4	74.6	—	—	—	—	6	6	3500
	277	132.5	301.6	325.4	108.3	84.5	—	—	—	—	6	6	2600

Note: Height of standard load backrest is 48 in.

8FG(D)U32

Mast Type	Maximum Fork Height (top of forks)	Overall Height			Free Lift		Single Drive Tire				Dual Drive Tires		
		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	Narrow Tread	Wide Tread	FWD	BWD	Dual Drive
			in.	in.			deg.	deg.	lbs.	lbs.	deg.	deg.	lbs.
V	80.5	59.6	108.3	128.5	5.3	5.3	6	11	6500	6500	6	11	6500
	119.5	79.3	147.6	167.9	5.3	5.3	6	11	6500	6500	6	11	6500
	131.5	85	159.4	179.7	5.3	5.3	6	11	6500	6500	6	11	6500
	139.5	89.2	167.3	187.6	5.3	5.3	6	11	6500	6500	6	11	6500
	147	95.5	175.2	195.5	5.3	5.3	6	11	6500	6500	6	11	6500
	159	103	187	207.3	5.3	5.3	6	11	6500	6500	6	11	6500
FV	119.5	79.3	149.2	167.9	50	31.3	6	11	6500	6500	6	11	6500
	131.5	85	161.0	179.7	55.9	37.2	6	11	6500	6500	6	11	6500
	139.5	89.2	168.9	187.6	59.8	41.2	6	11	6500	6500	6	11	6500
FSV	159	79.3	188.6	207.3	50	31.3	6	6	6500	6500	6	6	6500
	171	85.2	200.4	219.1	55.9	37.2	6	6	6500	6500	6	6	6500
	187	89.2	216.1	235	59.8	41.2	6	6	6500	6500	6	6	6500
	198.5	95.5	228.0	246.7	66.1	47.5	6	6	5750	6400	6	6	6500
	218	103	247.6	266.3	73.6	55	6	6	4200	5500	6	6	5800
	237.5	112.8	267.3	286	83.5	64.8	6	6	3300	4000	6	6	4500
	257.5	122.6	287.0	305.7	93.3	74.6	—	—	—	—	6	6	3500
	277	132.5	306.7	325.4	103.1	84.5	—	—	—	—	6	6	2300

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.

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Litho in U.S.A. (5M)

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3,000 - 6,500 lbs

PNEUMATIC
GAS LPG DIESEL CNG

SPECIFICATIONS



3,000 – 6,500 lbs • Standard Features

DURABILITY

- Control Area Network (CAN-bus) communication
- Fully-stamped steel side panels
- Moisture resistant electric connectors
- High cooling capacity radiator with fan shroud
- Tilt cylinder boots
- Low maintenance battery
- Large capacity engine cooling fan
- 7" cyclone air cleaner with high positioned external air-intake
- Plate iron front fenders
- Anti-restart ignition key switch
- Stamped steel engine hood
- Fully-sealed air-intake system
- Self-adjusting brakes

SAFETY

- System of Active Stability™ (SAS)
- Operator Presence Sensing System (OPSS)
- Bolt-on overhead guard
- Key lowering interlock
- Electric horn
- Neutral engine start safety switch
- Asbestos free components
- Speed control-technician programmable (diesel only)

PERFORMANCE

- EPA/CARB certified engine
- Toyota 2.2 liter, 4-cylinder, OHV gasoline engine (4Y-ECS)
- Toyota 1.8 liter, 3-cylinder, diesel engine (1ZS) [Tier IV final]
- Electronic fuel injection
- UL "G" gasoline engine
- UL "D" diesel engine
- One-way automatic fork leveling
- Independent brake & inching pedals
- Integrated monitoring system - includes:
 - *Digital hour meter display*
 - *Engine coolant temperature gauge*
 - *Fuel gauge (gasoline only)*
 - *Check engine light*
 - *Sedimentor warning light (diesel only)*
 - *Glow indicator light (diesel only)*
 - *Engine oil pressure warning light*
 - *Battery charge warning light*
 - *OPSS activation light*
 - *SAS/OPSS warning light*
- 2-stage limited free lift mast (V)
- Adjustable headlights with guards
- Foot-activated parking brake
- Alternator with built-in regulator
- Transistorized ignition assembly
- Automatic transmission with oil cooler
- Full floating powertrain
- Hydraulic valve lifters
- Integrated head light and turn signal lever
- Electric shift control

ERGONOMICS

- Dash mounted instrument display
- 11.8" diameter two-spoke steering wheel
- Load sensing hydrostatic power steering (diesel only)
- Hydrostatic power steering (gas/LPG only)
- Heavy-duty non-slip rubber floor mat
- 12" long dual operator assist grips
- Cowl-mount hydraulic control levers with rubber boot covers
- Low wide entry steps
- Low profile front cowl
- Non-cinching seat belt
- Dash integrated amenity tray and oversized cup holder
- 4-way adjustable vinyl full-suspension seat
- Slim profile, tilt steer column

SERVICEABILITY

- Easy access no-tools floorboard
- Engine hood assist damper with lock device
- Air cleaner discharge valve
- Externally mounted hydraulic oil return filter
- Dash mounted brake fluid level check
- Easy lift engine hood with wide 75 degree opening

3,000 – 6,500 lbs • Optional Equipment

- Travel Speed/Acceleration Control System
- Multifunction digital display with self-diagnostics and engine protection system
- Hydraulic accumulator
- Intelli-Shift
- Orange seat belt
- Rear assist grip with horn button
- Rust-proof spec
- Mini-lever controls with Ergo-Shift
- Joystick controls with Ergo-Shift
- Swivel seat
- Synchronized steering
- High mount rear combination lights
- LED front headlights
- LED rear combination lights
- Deluxe steel cab
- Standard steel cab
- 12 Volt power supply
- EZ-Pedal foot directional control
- Plate fin radiator
- Radiator screen
- Fire extinguisher
- Front combination lights
- Steering wheel with knob
- Polished and tapered forks
- Integral and hang-on sidershifters
- Integral sideshifting fork positioner
- Bottler's tilt
- LPG low-fuel warning light and alarm
- High capacity 70 amp alternator (4Y-ECS models)
- Strobe lights
- Step mounted tool box with cover
- Back-up alarms
- 4-way adjustable cloth full-suspension seat
- Combination brake and inching pedal
- Pre-cleaner for air intake
- Rear-view mirrors
- Wide tread tires
- UL "GS" gasoline model
- UL "DS" diesel model
- 4Y-ECS Hi-Power engine
- Fuel system configurations with swing out tank bracket and one touch latch system
 - *UL-LP*
 - *UL-LPS*
 - *UL-LP/G dual fuel*
 - *UL-CNG/G dual fuel*
- Swing-down LPG tank bracket

3,000 – 6,500 lbs • Truck Specifications

Models		8FGU15	8FDU15	8FGU18	8FDU18	8FGU20	8FDU20	8FGU25	8FDU25	8FGU30	8FDU30	8FGU32	8FDU32
Load Capacity (at 24" Load Center)	lbs.	3000		3500		4000		5000		6000		6500	
Body/Frame Construction		Welded steel body and frame											
Steering Type		Load sensing hydrostatic power steering											
Brakes		Hydraulic (foot)											
Transmission	Type	Powershift											
	Speeds (fwd/rev)	1/1											
Toyota Engine	Model	4Y-ECS	1ZS	4Y-ECS	1ZS	4Y-ECS	1ZS	4Y-ECS	1ZS	4Y-ECS	1ZS	4Y-ECS	1ZS
	Type	4 cyl. gasoline	3 cyl. diesel	4 cyl. gasoline	3 cyl. diesel	4 cyl. gasoline	3 cyl. diesel	4 cyl. gasoline	3 cyl. diesel	4 cyl. gasoline	3 cyl. diesel	4 cyl. gasoline	3 cyl. diesel
Piston Displacement	liter	2.2	1.8	2.2	1.8	2.2	1.8	2.2	1.8	2.2	1.8	2.2	1.8
Rated Horsepower - Net rpm	SAE HP	51 @ 2570	53 @ 2200	51 @ 2570	53 @ 2200	51 @ 2570	55 @ 2200	51 @ 2570	55 @ 2200	57 @ 2570	55 @ 2200	57 @ 2570	55 @ 2200
Rated Torque - Net rpm	SAE ft.-lb.	118 @ 2100	128 @ 1800	118 @ 2100	128 @ 1800	118 @ 2100	148 @ 1600	118 @ 2100	148 @ 1600	118 @ 2200	148 @ 1600	118 @ 2200	148 @ 1600

EXTERIOR DIMENSIONS

Models		8FGU15	8FDU15	8FGU18	8FDU18	8FGU20	8FDU20	8FGU25	8FDU25	8FGU30	8FDU30	8FGU32	8FDU32
A Maximum Fork Height (MFH)	in.	131	131	131	131	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5
B Mast Lowered Height	in.	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	85.3	85.3	85.3	85.3
C Free Lift	in.	5.7	5.7	5.7	5.7	6.1	6.1	6.1	6.1	5.3	5.3	5.3	5.3
D Load Distance*	in.	15.9	15.9	15.9	15.9	18.5	18.5	18.5	18.5	19.1	19.1	19.1	191
E Wheelbase	in.	58.5	58.5	58.5	58.5	65	65	65	65	66.9	66.9	66.9	66.9
F Fork Size (TxWxL)	in.	1.4x4x42	1.4x4x42	1.4x4x42	1.4x4x42	1.6x5x42	1.6x5x42	1.6x5x42	1.6x5x42	1.8x5x42	1.8x5x42	1.8x5x42	1.8x5x42
G Length to Fork Face	in.	89.6	89.6	90.7	90.7	101.4	101.4	103.9	103.9	109.4	109.4	110.2	110.2
H Overhead Guard Height	in.	81.9	81.9	81.9	81.9	83.1	83.1	83.1	83.1	85.5	85.5	85.5	85.5
I Tilt Range (Fwd/Bwd)	deg	6/11	6/11	6/11	6/11	6/11	6/11	6/11	6/11	6/11	6/11	6/11	6/11
J Outside Turning Radius	in.	76	76	78	78	84.7	84.7	87.5	87.5	92.5	92.5	93.3	93.3
K Basic Rt Angle Stacking Aisle Width**	in.	91.9	91.9	93.9	93.9	103.2	103.2	105.9	105.9	111.6	111.6	112.4	112.4
L Overall Width	in.	42.1	42.1	42.1	42.1	45.3	45.3	45.3	45.3	48.8	48.8	48.8	48.8
M Carriage Width	in.	36	36	36	36	40	40	40	40	42	42	42	42
N Std Tread Width (Front/Rear)	in.	34.8/35.2	34.8/35.2	34.8/35.2	34.8/35.2	37.8/38	37.8/38	37.8/38	37.8/38	39.8/38	39.8/38	39.8/38	39.8/38
Underclearance	Minimum w/ load	in.	3.9	3.9	3.9	3.9	3.7	3.7	3.7	4.5	4.5	4.5	4.5
	Center of W.B.	in.	4.5	4.5	4.5	4.5	5.5	5.5	5.5	7.3	7.3	7.3	7.3

PERFORMANCE DATA

	Full Load	Forward	mph											
			Reverse	8FGU15	8FDU15	8FGU18	8FDU18	8FGU20	8FDU20	8FGU25	8FDU25	8FGU30	8FDU30	8FGU32
Maximum Travel Speed	No Load	Forward	11.5	11.8	11.5	11.8	10.9	11.8	10.9	11.8	11.2	11.5	11.2	11.5
		Reverse	11.5	11.8	11.5	11.8	10.9	11.8	10.9	11.8	11.2	11.5	11.2	11.5
Lifting Speeds (V mast)	Full Load	Forward	11.8	12.1	11.8	12.1	11.2	12.1	11.2	12.1	11.5	11.8	11.5	11.8
		Reverse	11.8	12.1	11.8	12.1	11.2	12.1	11.2	12.1	11.5	11.8	11.5	11.8
Lowering Speeds (V mast)	Full Load	Forward	131	128	131	128	118	121	118	121	98	98	98	98
		No Load	134	133	134	133	126	129	126	129	104	104	104	104
Maximum Drawbar Pull	Full Load	Forward	4400	4040	3930	3930	4250	4250	4250	4250	4400	4400	4400	4400
		No Load	1550	1570	1300	1300	2020	2040	1910	1930	2310	2340	2310	2340
Maximum Gradeability	Full Load	Forward	45	45	45	45	41	39	34	29	26	29	26	29
		No Load	22	22	20	20	23	23	20	20	21	20	21	20

TRUCK WEIGHTS

		lbs.	5500	5630	5920	6060	7080	7230	7840	7990	9270	9420	9500	9650
Weight Distribution	Full Load	Front	7560	7610	8400	8460	9750	9810	11260	11320	13290	13350	14050	14110
		Rear	940	1020	1020	1100	1330	1420	1580	1670	1980	2070	1950	2040
	No Load	Front	2500	2560	2500	2560	3130	3180	2980	3040	3430	3490	3360	3420
		Rear	3000	3070	3420	3500	3950	4050	4860	4950	5840	5930	6140	6230

FUEL CAPACITY

Liquid Fuel Tank	US gal	11.9	11.9	11.9	11.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
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ATTACHMENT

Auxiliary Function Pressure Relief	psi	2275	2275	2275	2275	2275	2275	2275	2275	2275	2275	2275	2275
Auxiliary Function Flow Rate (max)	gpm	17	17	17	17	20	19	20	19	21	20	21	20

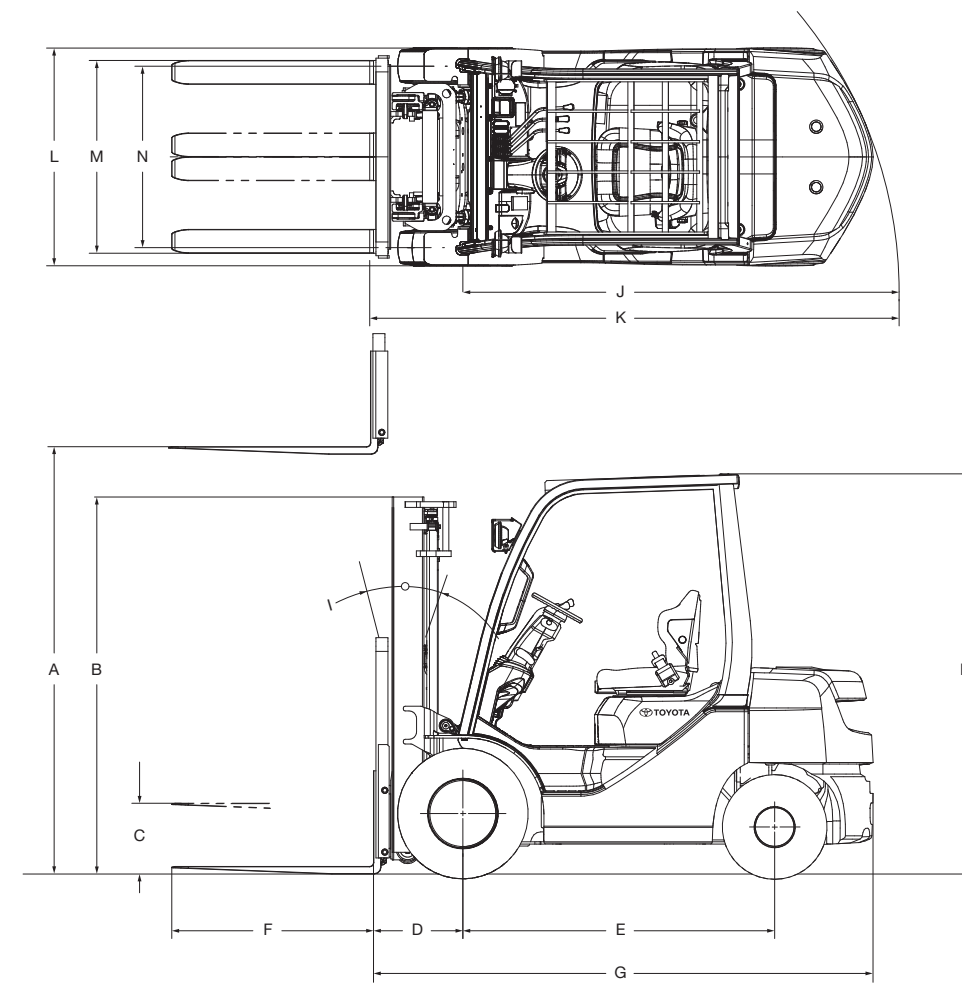
TIRES

Type (front/rear)		Pneumatic/Pneumatic			
Size	Drive (Front)	6.50-10-10PR		7.00-12-12PR	
	Steer (Rear)	5.00-8-8PR		6.00-9-10PR	

* Centerline of front axle to front face of forks

** Add load length and clearance

3,000 – 6,500 lbs • Truck Dimensions



8FGU25 model shown above

3,000 – 3,500 lbs • Mast Specifications

8FG(D)U15 & 8FG(D)U18

Mast Type	Maximum Fork Height (top of forks)	Overall Height				Free Lift		8FG(D)U15				8FG(D)U18			
		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	Narrow Tread	Wide Tread	FWD	BWD	Narrow Tread	Wide Tread	
V	80	58.9	104.1	128.1	5.7	5.7	6	11	3000	3000	6	11	3500	3500	
	119	78.5	143.5	167.5	5.7	5.7	6	11	3000	3000	6	11	3500	3500	
	131	84.5	155.3	179.3	5.7	5.7	6	11	3000	3000	6	11	3500	3500	
	139	88.4	163.2	187.2	5.7	5.7	6	11	3000	3000	6	11	3500	3500	
	147	94.7	171.1	195.1	5.7	5.7	6	11	3000	3000	6	11	3500	3500	
	158.5	102.2	182.9	206.9	5.7	5.7	6	11	3000	3000	6	11	3400	3500	
FV	119	78.5	141.9	167.5	56.1	30.5	6	11	3000	3000	6	11	3500	3500	
	131	84.5	153.7	179.3	62	36.4	6	11	3000	3000	6	11	3500	3500	
	139	88.4	161.6	187.2	65.9	40.4	6	11	3000	3000	6	11	3500	3500	
FSV	158.5	74.6	180.1	206.9	53.3	25	6	6	2850	2850	6	6	3200	3200	
	170.5	78.5	191.9	218.7	57.3	28.9	6	6	2800	2850	6	6	3150	3200	
	189	84.4	209.6	236.6	63.2	34.8	6	6	2750	2800	6	6	2900	3050	
	198	88.4	219.5	246.3	67.1	38.8	6	6	2650	2750	6	6	2550	3000	
	217.5	94.7	239.2	265.9	73.4	45.1	6	6	2050	2200	6	6	1850	2400	
237.5	102.2	258.9	285.6	80.9	52.6	6	6	1500	1650</						