

**7-SERIES PNEUMATIC  
3,000 - 6,500 LBS**



**SPECIFICATIONS**



## 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 136cu. in., 4-cyl., OHV gasoline engine (4Y)
- Toyota 152cu. in., 4-cyl., OHV diesel engine (1DZ-II)
- Automatic choke (gasoline engines only)
- UL "G" gasoline engine
- UL "D" diesel engine
- Sedimentor (water separator) and suction filter (diesel engines only)
- Super glow control system (diesel engines only)
- Alternator with built-in IC regulator
- Transistorized ignition assembly
- Anti-resistant ignition key switch
- Automatic transmission with oil cooler
- Full floating powertrain
- Unified differential housing and differential carrier
- Hydraulic valve lifters (gasoline engines only)
- High cooling capacity radiator with tan shroud
- Large capacity engine cooling fan
- 7-inch cyclone air cleaner with high positioned external air intake
- 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
  - Pre-heat indicator and sedimentor warning lights (diesel only)
- 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
- Rubber mounting of hydraulic control valve
- Cowl-mounted hydraulic control levers with rubber boot covers
- Pendant-mounted pedals
- Independent brake & inching pedals
- 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
- Heavy duty non-slip floor mat
- Adjustable front headlights and guards
- 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
- 2-stage full free lift mast (FV)
- 3-stage full free lift mast (FSV)
- Step mounted tool box with cover
- Deluxe steel cab
- Front combination lights
  - clearance lights
  - turn signal
- 2 speed automatic transmission
- 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
- Keyless ignition switch
- Strobe lights
  - yellow
  - red
  - blue
  - clear
- Back-up alarms
- Cloth 4-way 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
- UL "DS" diesel model
- 4Y-ECS gasoline engine (option on 7FGU20.25, standard on 7FGU30.32)
- 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                             |                     | 7FGU15                      | 7FDU15        | 7FGU18          | 7FDU18        | 7FGU20          | 7FDU20        | 7FGU25          | 7FDU25        | 7FGU30          | 7FDU30        | 7FGU32          | 7FDU32        |
|------------------------------------|---------------------|-----------------------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|---------------|
| Load Capacity (at 24" Load Center) | lbs.                | 3000                        |               | 3500            |               | 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                             | Toyota Engine Model | 4Y                          | 1DZ-II        | 4Y              | 1DZ-II        | 4Y              | 1DZ-II        | 4Y              | 1DZ-II        | 4Y-ECS          | 1DZ-II        | 4Y-ECS          | 1DZ-II        |
|                                    | Type                | 4 cyl. gasoline             | 4 cyl. diesel | 4 cyl. gasoline | 4 cyl. diesel | 4 cyl. gasoline | 4 cyl. diesel | 4 cyl. gasoline | 4 cyl. diesel | 4 cyl. gasoline | 4 cyl. diesel | 4 cyl. gasoline | 4 cyl. diesel |
| Piston Displacement                | cu. in.             | 136                         | 152           | 136             | 152           | 136             | 152           | 136             | 152           | 136             | 152           | 136             | 152           |
| Rated Horsepower - Net rpm         | SAE HP              | 47 @ 2300                   | 54 @ 2400     | 47 @ 2300       | 54 @ 2400     | 47 @ 2300       | 59 @ 2600     | 47 @ 2300       | 59 @ 2600     | 51 @ 2500       | 59 @ 2600     | 51 @ 2500       | 59 @ 2600     |
| Rated Torque - Net rpm             | SAE ft.-lb.         | 118 @ 1800                  | 123 @ 1600    | 118 @ 1800      | 123 @ 1600    | 118 @ 1800      | 123 @ 1600    | 118 @ 1800      | 123 @ 1600    | 118 @ 1800      | 123 @ 1600    | 118 @ 1800      | 123 @ 1600    |

## EXTERIOR DIMENSIONS

| Models |                                 | 7FGU15         | 7FDU15    | 7FGU18    | 7FDU18    | 7FGU20    | 7FDU20   | 7FGU25   | 7FDU25   | 7FGU30   | 7FDU30   | 7FGU32   | 7FDU32   |
|--------|---------------------------------|----------------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|
| A      | Maximum Fork Height (MFH)       | in.            | 131       | 131       | 131       | 131       | 131.5    | 131.5    | 131.5    | 131.5    | 131.5    | 131.5    | 131.5    |
| B      | Maxt Lowered Height             | in.            | 84.5      | 84.5      | 84.5      | 84.5      | 84.5     | 84.5     | 84.5     | 85.3     | 85       | 85.3     | 85       |
| C      | Free Lift                       | in.            | 5.7       | 5.7       | 5.7       | 5.7       | 6.1      | 6.1      | 6.1      | 5.3      | 5.3      | 5.3      | 5.3      |
| D      | Load Distance*                  | in.            | 15.8      | 15.8      | 15.8      | 15.8      | 18.5     | 18.5     | 18.5     | 19.1     | 19.1     | 19.1     | 19.1     |
| E      | Wheelbase                       | in.            | 55.5      | 55.5      | 55.5      | 55.5      | 63       | 63       | 63       | 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 |
| G      | Length to Fork Face             | in.            | 88.4      | 88.4      | 89.6      | 89.6      | 100.2    | 100.2    | 102.6    | 102.6    | 108.1    | 108.1    | 109.1    |
| 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     |
| I      | Tilt Range (Fwd/Bwd)            | deg.           | 6/0       | 6/0       | 6/0       | 6/0       | 6/0      | 6/0      | 6/0      | 6/0      | 6/0      | 6/0      | 6/0      |
| J      | Outside Turning Radius          | in.            | 76        | 76        | 78        | 78        | 84.7     | 84.7     | 87.5     | 87.5     | 92.5     | 92.5     | 93.3     |
| K      | Rt Angle Stacking Aisle Width** | in.            | 92        | 92        | 92.5      | 92.5      | 103.2    | 103.2    | 106      | 106      | 110.8    | 110.8    | 111.8    |
| L      | Overall Width                   | in.            | 42.2      | 42.2      | 42.2      | 42.2      | 45.3     | 45.3     | 45.3     | 45.3     | 48.8     | 48.8     | 48.8     |
| M      | Carriage Width                  | in.            | 36        | 36        | 36        | 36        | 40       | 40       | 40       | 40       | 42       | 42       | 42       |
| N      | Std Tread Width (Front/Rear)    | in.            | 35.2/35.2 | 35.2/35.2 | 35.2/35.2 | 35.2/35.2 | 37.8/38  | 37.8/38  | 37.8/38  | 37.8/38  | 39.8/38  | 39.8/38  | 39.8/38  |
| O      | Underclearance                  | Mnimum         | in.       | 3.9       | 3.9       | 3.9       | 3.9      | 3.7      | 3.7      | 3.7      | 3.7      | 4.5      | 4.5      |
|        |                                 | Center of W.B. | in.       | 5.5       | 5.5       | 5.5       | 5.5      | 7.3      | 7.3      | 7.3      | 7.3      | 8.6      | 8.6      |

## PERFORMANCE DATA

|                          |           |         |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--------------------------|-----------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Maximum Travel Speed     | Full Load | Forward | mph  | 11.5 | 11.8 | 11.5 | 11.8 | 10.9 | 11.8 | 10.9 | 11.8 | 11.0 | 11.8 | 11.0 | 11.8 |
|                          |           | Reverse | mph  | 11.5 | 11.8 | 11.5 | 11.8 | 10.9 | 11.8 | 10.9 | 11.8 | 11.0 | 11.8 | 11.0 | 11.8 |
|                          | No Load   | Forward | mph  | 11.8 | 12.1 | 11.8 | 12.1 | 11.2 | 12.1 | 11.2 | 12.1 | 11.0 | 12.1 | 11.0 | 12.1 |
|                          |           | Reverse | mph  | 11.8 | 12.1 | 11.8 | 12.1 | 11.2 | 12.1 | 11.2 | 12.1 | 11.0 | 12.1 | 11.0 | 12.1 |
| Lifting Speeds (V mast)  | Full Load | fpm     | 118  | 128  | 118  | 128  | 118  | 120  | 118  | 120  | 100  | 98   | 100  | 98   |      |
|                          | No Load   | fpm     | 124  | 132  | 126  | 132  | 126  | 126  | 126  | 126  | 108  | 104  | 108  | 104  |      |
| Lowering Speeds (V mast) | Full Load | fpm     | 98   | 98   | 98   | 98   | 98   | 98   | 98   | 98   | 98   | 98   | 98   | 98   |      |
|                          | No Load   | fpm     | 108  | 108  | 108  | 108  | 98   | 98   | 98   | 98   | 98   | 98   | 98   | 98   |      |
| Maximum Drawbar Pull     | Full Load | lbs.    | 3950 | 3950 | 3950 | 3950 | 4200 | 4050 | 4200 | 4050 | 4050 | 4050 | 4050 |      |      |
|                          | No Load   | lbs.    | 1450 | 1450 | 1300 | 1300 | 1850 | 1850 | 1750 | 1750 | 2100 | 2100 | 2100 |      |      |
| Maximum Gradeability     | Full Load | %       | 45   | 45   | 41   | 42   | 36   | 35   | 30   | 30   | 26   | 25   | 26   | 25   |      |
|                          | No Load   | %       | 22   | 22   | 20   | 18   | 22   | 22   | 18   | 18   | 18   | 18   | 18   |      |      |

## TRUCK WEIGHTS

|                      |           |       |      |      |      |      |      |       |       |       |       |       |       |       |       |
|----------------------|-----------|-------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Gross Weight (empty) |           | lbs.  | 5870 | 6020 | 6150 | 6320 | 7740 | 7890  | 8360  | 8510  | 9590  | 9750  | 9900  | 10060 |       |
| Weight Distribution  | Full Load | Front | lbs. | 7800 | 7800 | 8560 | 8620 | 10290 | 10380 | 11720 | 11790 | 13640 | 13710 | 14460 | 14530 |
|                      |           | Rear  | lbs. | 1070 | 1160 | 1090 | 1200 | 1600  | 1590  | 1640  | 1720  | 1950  | 2040  | 1940  | 2030  |
|                      | No Load   | Front | lbs. | 2650 | 2710 | 2560 | 2620 | 3590  | 3680  | 3350  | 3420  | 3770  | 3840  | 3770  | 3840  |
|                      |           | Rear  | lbs. | 3220 | 3310 | 3590 | 3700 | 4300  | 4290  | 5010  | 5090  | 5820  | 5910  | 6130  | 6220  |

## FUEL CAPACITY

|                    |        |      |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|--------|------|------|------|------|------|------|------|------|------|------|------|------|
| Gasoline Fuel Tank | US gal | 11.9 | 11.9 | 11.9 | 11.9 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |
|--------------------|--------|------|------|------|------|------|------|------|------|------|------|------|------|

## 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   |

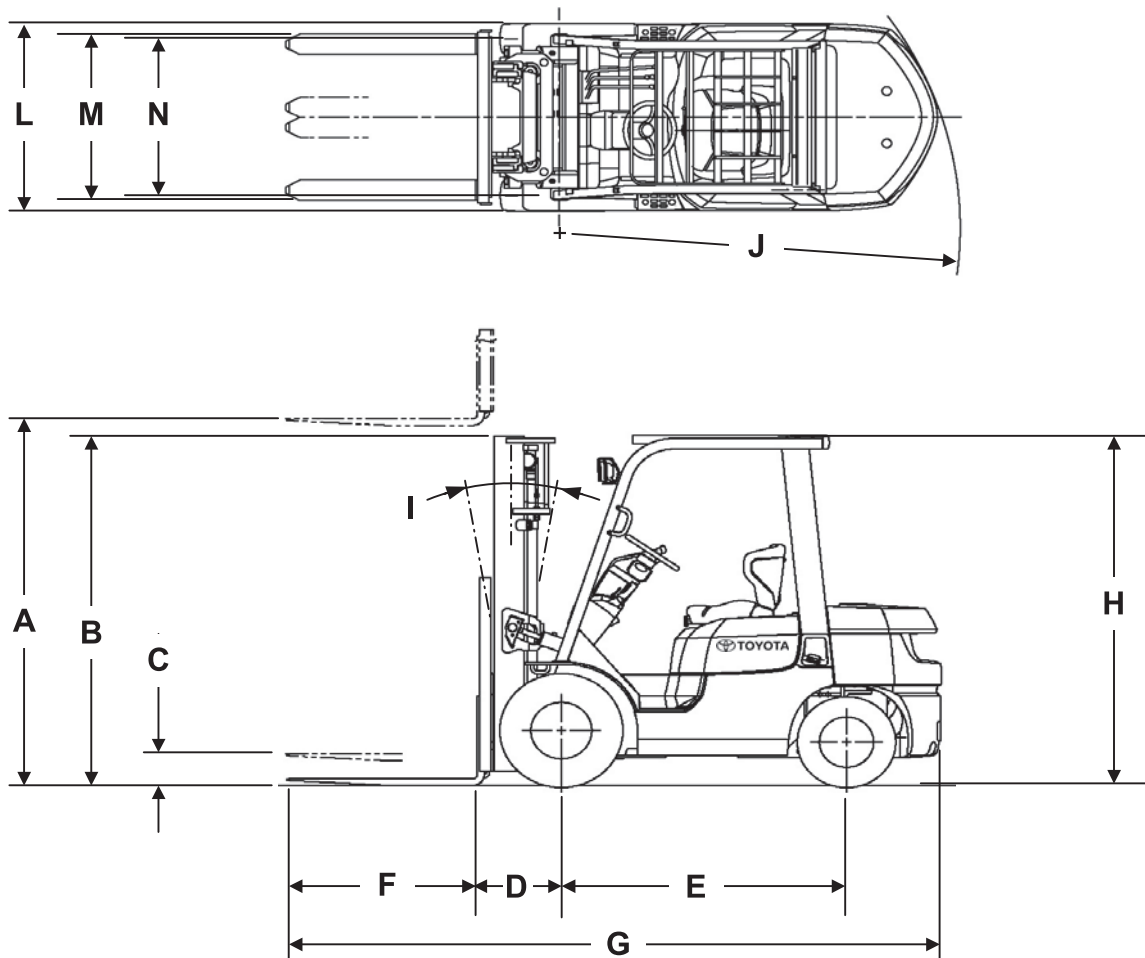
## TIRES

| Type (front/rear) |               | Pneumatic/Pneumatic |  |  |  |              |  |  |  |              |  |              |  |
|-------------------|---------------|---------------------|--|--|--|--------------|--|--|--|--------------|--|--------------|--|
| Size              | Drive (Front) | 6.50-10-10PR        |  |  |  | 7.00-12-12PR |  |  |  | 28x9-15-12PR |  | 28x9-15-14PR |  |
|                   | Steer (Rear)  | 5.00-8-8PR          |  |  |  | 6.00-9-10PR  |  |  |  | 6.50-10-10PR |  |              |  |

\* Centerline of front axle to front face of forks

\*\* Add load length and clearance

# 3,000 - 6,500 lbs. Truck Dimensions



7FGU25 model shown above

# 3,000 - 3,500 lbs. Mast Specifications

## 7FG(D)U15 & 7FG(D)U18

| Mast Type | Maximum Fork Height<br>(top of forks) | Overall Height |                       |                         | Free Lift             |                         | 7FG(D)U15  |      |                                     |                     | 7FG(D)U18  |      |                                     |                     |
|-----------|---------------------------------------|----------------|-----------------------|-------------------------|-----------------------|-------------------------|------------|------|-------------------------------------|---------------------|------------|------|-------------------------------------|---------------------|
|           |                                       | Lowered        | Extended              |                         | Without Load Backrest | With Std. Load Backrest | Tilt Range |      | Load Capacity at 24 in. Load Center |                     | Tilt Range |      | Load Capacity at 24 in. 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.                |
| V         | 80                                    | 58.9           | 102.6                 | 128.1                   | 5.7                   | 5.7                     | 6          | 10   | 3000                                | 3000                | 6          | 10   | 3500                                | 3500                |
|           | 99.5                                  | 68.7           | 122.2                 | 147.8                   | 5.7                   | 5.7                     | 6          | 10   | 3000                                | 3000                | 6          | 10   | 3500                                | 3500                |
|           | 107.5                                 | 72.6           | 130.1                 | 155.7                   | 5.7                   | 5.7                     | 6          | 10   | 3000                                | 3000                | 6          | 10   | 3500                                | 3500                |
|           | 119                                   | 78.5           | 141.9                 | 167.5                   | 5.7                   | 5.7                     | 6          | 10   | 3000                                | 3000                | 6          | 10   | 3500                                | 3500                |
|           | 131                                   | 84.5           | 153.7                 | 179.3                   | 5.7                   | 5.7                     | 6          | 10   | 3000                                | 3000                | 6          | 10   | 3500                                | 3500                |
|           | 139                                   | 88.4           | 161.6                 | 187.2                   | 5.7                   | 5.7                     | 6          | 10   | 3000                                | 3000                | 6          | 10   | 3500                                | 3500                |
|           | 147                                   | 94.7           | 169.5                 | 195.1                   | 5.7                   | 5.7                     | 6          | 10   | 3000                                | 3000                | 6          | 10   | 3500                                | 3500                |
|           | 158.5                                 | 102.2          | 181.3                 | 206.9                   | 5.7                   | 5.7                     | 6          | 10   | 3000                                | 3000                | 6          | 10   | 3400                                | 3500                |
| FV        | 80                                    | 58.9           | 101                   | 128.1                   | 36.6                  | 10.9                    | 6          | 6    | 3000                                | 3000                | 6          | 6    | 3500                                | 3500                |
|           | 99.5                                  | 68.7           | 120.7                 | 147.8                   | 46.5                  | 20.7                    | 6          | 10   | 3000                                | 3000                | 6          | 10   | 3500                                | 3500                |
|           | 107.5                                 | 72.6           | 128.5                 | 155.7                   | 50.4                  | 24.6                    | 6          | 10   | 3000                                | 3000                | 6          | 10   | 3500                                | 3500                |
|           | 119                                   | 78.5           | 140.4                 | 167.5                   | 56.3                  | 30.5                    | 6          | 10   | 3000                                | 3000                | 6          | 10   | 3500                                | 3500                |
|           | 131                                   | 84.5           | 152.2                 | 179.3                   | 62.2                  | 36.4                    | 6          | 10   | 3000                                | 3000                | 6          | 10   | 3500                                | 3500                |
|           | 139                                   | 88.4           | 160                   | 187.2                   | 66.1                  | 40.4                    | 6          | 10   | 3000                                | 3000                | 6          | 10   | 3500                                | 3500                |
|           | 147                                   | 94.7           | 167.9                 | 195.1                   | 72.4                  | 46.7                    | 6          | 10   | 3000                                | 3000                | 6          | 10   | 3500                                | 3500                |
|           | 158.5                                 | 102.2          | 179.7                 | 206.9                   | 79.9                  | 54.2                    | 6          | 10   | 3000                                | 3000                | 6          | 10   | 3400                                | 3500                |
| FSV       | 147                                   | 70.7           | 166.9                 | 195.1                   | 50.2                  | 22.7                    | 6          | 6    | 2850                                | 2850                | 6          | 6    | 3200                                | 3200                |
|           | 158.5                                 | 74.6           | 178.7                 | 206.9                   | 54.1                  | 26.6                    | 6          | 6    | 2850                                | 2850                | 6          | 6    | 3200                                | 3200                |
|           | 170.5                                 | 78.5           | 190.6                 | 218.7                   | 58.1                  | 30.5                    | 6          | 6    | 2800                                | 2850                | 6          | 6    | 3150                                | 3200                |
|           | 189                                   | 84.4           | 208.5                 | 236.6                   | 64                    | 36.4                    | 6          | 6    | 2750                                | 2800                | 6          | 6    | 2900                                | 3050                |
|           | 198                                   | 88.4           | 218.1                 | 246.3                   | 67.9                  | 40.4                    | 6          | 6    | 2650                                | 2750                | 6          | 6    | 2550                                | 3000                |
|           | 217.5                                 | 94.7           | 237.8                 | 265.9                   | 74.2                  | 46.7                    | 6          | 6    | 2050                                | 2200                | 6          | 6    | 1850                                | 2400                |
| 237.5     | 102.2                                 | 257.5          | 285.6                 | 81.7                    | 54.2                  | 6                       | 6          | 1500 | 1650                                | 6                   | 6          | 1300 | 1750                                |                     |

Note: Height of standard load backrest is 48 in.

# 4,000 - 5,000 lbs. Mast Specifications

## 7FG(D)U20

| Mast Type | Maximum Fork Height<br>(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 24in. Load Center (LC) |                     | Tilt Range                |      | Load Capacity at 24in. Load Center |
|           |                                       |                | Without Load Backrest | With Std. Load Backrest |                       |                         | FWD               | BWD  | Standard Tread                          | Optional Wide Tread | FWD                       | BWD  |                                    |
|           |                                       |                |                       |                         |                       |                         |                   |      |   |                     |                           |      |                                    |
| V         | 80                                    | 58.9           | 104.7                 | 128.3                   | 6.1                   | 6.1                     | 6                 | 10   | 4000                                    | 4000                | 6                         | 10   | 4000                               |
|           | 100                                   | 68.7           | 124.4                 | 148                     | 6.1                   | 6.1                     | 6                 | 10   | 4000                                    | 4000                | 6                         | 10   | 4000                               |
|           | 107.5                                 | 72.6           | 132.3                 | 155.9                   | 6.1                   | 6.1                     | 6                 | 10   | 4000                                    | 4000                | 6                         | 10   | 4000                               |
|           | 119.5                                 | 78.5           | 144.1                 | 167.7                   | 6.1                   | 6.1                     | 6                 | 10   | 4000                                    | 4000                | 6                         | 10   | 4000                               |
|           | 131.5                                 | 84.5           | 155.9                 | 179.5                   | 6.1                   | 6.1                     | 6                 | 10   | 4000                                    | 4000                | 6                         | 10   | 4000                               |
|           | 139                                   | 88.4           | 163.8                 | 187.4                   | 6.1                   | 6.1                     | 6                 | 10   | 4000                                    | 4000                | 6                         | 10   | 4000                               |
|           | 147                                   | 94.7           | 171.7                 | 195.3                   | 6.1                   | 6.1                     | 6                 | 10   | 4000                                    | 4000                | 6                         | 10   | 4000                               |
|           | 159                                   | 102.2          | 183.5                 | 207.1                   | 6.1                   | 6.1                     | 6                 | 10   | 4000                                    | 4000                | 6                         | 10   | 4000                               |
|           | 178.5                                 | 112            | 203.1                 | 226.8                   | 6.1                   | 6.1                     | 6                 | 6    | 4000                                    | 4000                | 6                         | 10   | 4000                               |
|           | 198                                   | 121.9          | 222.8                 | 246.5                   | 6.1                   | 6.1                     | 6                 | 6    | 3750                                    | 4000                | 6                         | 6    | 4000                               |
|           | 218                                   | 131.7          | 242.5                 | 266.1                   | 6.1                   | 6.1                     | ---               | ---  | ---                                     | ---                 | 6                         | 6    | 3700                               |
| 237.5     | 143.1                                 | 262.2          | 285.8                 | 6.1                     | 6.1                   | ---                     | ---               | ---  | ---                                     | 6                   | 6                         | 3600 |                                    |
| FV        | 80                                    | 58.9           | 102.2                 | 128.3                   | 35.4                  | 10.9                    | 6                 | 6    | 4000                                    | 4000                | 6                         | 6    | 4000                               |
|           | 100                                   | 68.7           | 121.9                 | 148                     | 45.3                  | 20.7                    | 6                 | 10   | 4000                                    | 4000                | 6                         | 10   | 4000                               |
|           | 107.5                                 | 72.6           | 129.7                 | 155.9                   | 49.2                  | 24.6                    | 6                 | 10   | 4000                                    | 4000                | 6                         | 10   | 4000                               |
|           | 119.5                                 | 78.5           | 141.5                 | 167.7                   | 55.1                  | 30.5                    | 6                 | 10   | 4000                                    | 4000                | 6                         | 10   | 4000                               |
|           | 131.5                                 | 84.5           | 153.3                 | 179.5                   | 61                    | 36.4                    | 6                 | 10   | 4000                                    | 4000                | 6                         | 10   | 4000                               |
|           | 139                                   | 88.4           | 161.2                 | 187.4                   | 65                    | 40.4                    | 6                 | 10   | 4000                                    | 4000                | 6                         | 10   | 4000                               |
|           | 147                                   | 94.7           | 169.1                 | 195.3                   | 71.3                  | 46.7                    | 6                 | 10   | 4000                                    | 4000                | 6                         | 10   | 4000                               |
| 159       | 102.2                                 | 180.9          | 207.1                 | 78.7                    | 54.2                  | 6                       | 10                | 4000 | 4000                                    | 6                   | 10                        | 4000 |                                    |
| FSV       | 147                                   | 70.7           | 167.9                 | 195.3                   | 48.4                  | 22.7                    | 6                 | 6    | 4000                                    | 4000                | 6                         | 6    | 4000                               |
|           | 159                                   | 74.6           | 179.7                 | 207.1                   | 52.4                  | 26.6                    | 6                 | 6    | 4000                                    | 4000                | 6                         | 6    | 4000                               |
|           | 170.5                                 | 78.5           | 191.5                 | 218.9                   | 56.3                  | 30.5                    | 6                 | 6    | 4000                                    | 4000                | 6                         | 6    | 4000                               |
|           | 189                                   | 84.4           | 209.8                 | 237                     | 62.2                  | 36.4                    | 6                 | 6    | 3900                                    | 4000                | 6                         | 6    | 4000                               |
|           | 198                                   | 88.4           | 219.1                 | 246.5                   | 66.1                  | 40.4                    | 6                 | 6    | 3550                                    | 4000                | 6                         | 6    | 4000                               |
|           | 218                                   | 94.7           | 238.8                 | 266.1                   | 72.4                  | 46.7                    | 6                 | 6    | 2800                                    | 3500                | 6                         | 6    | 3750                               |
|           | 237.5                                 | 102.2          | 258.5                 | 285.8                   | 79.9                  | 54.2                    | 6                 | 6    | 2000                                    | 2550                | 6                         | 6    | 3300                               |
| 257.5     | 112                                   | 278.1          | 305.5                 | 89.8                    | 64                    | ---                     | ---               | ---  | ---                                     | 6                   | 6                         | 3200 |                                    |
| 277       | 121.9                                 | 297.8          | 325.2                 | 99.6                    | 73.9                  | ---                     | ---               | ---  | ---                                     | 6                   | 6                         | 2600 |                                    |

Note: Height of standard load backrest is 48in

## 7FG(D)U25

| Mast Type | Maximum Fork Height<br>(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 24in. Load Center (LC) |                     | Tilt Range                |      | Load Capacity at 24in. Load Center |
|           |                                       |                | Without Load Backrest | With Std. Load Backrest |                       |                         | FWD               | BWD  | Standard Tread                          | Optional Wide Tread | FWD                       | BWD  |                                    |
|           |                                       |                |                       |                         |                       |                         |                   |      |   |                     |                           |      |                                    |
| V         | 80                                    | 58.9           | 104.7                 | 128.3                   | 6.1                   | 6.1                     | 6                 | 10   | 5000                                    | 5000                | 6                         | 10   | 5000                               |
|           | 100                                   | 68.7           | 124.4                 | 148                     | 6.1                   | 6.1                     | 6                 | 10   | 5000                                    | 5000                | 6                         | 10   | 5000                               |
|           | 107.5                                 | 72.6           | 132.3                 | 155.9                   | 6.1                   | 6.1                     | 6                 | 10   | 5000                                    | 5000                | 6                         | 10   | 5000                               |
|           | 119.5                                 | 78.5           | 144.1                 | 167.7                   | 6.1                   | 6.1                     | 6                 | 10   | 5000                                    | 5000                | 6                         | 10   | 5000                               |
|           | 131.5                                 | 84.5           | 155.9                 | 179.5                   | 6.1                   | 6.1                     | 6                 | 10   | 5000                                    | 5000                | 6                         | 10   | 5000                               |
|           | 139                                   | 88.4           | 163.8                 | 187.4                   | 6.1                   | 6.1                     | 6                 | 10   | 5000                                    | 5000                | 6                         | 10   | 5000                               |
|           | 147                                   | 94.7           | 171.7                 | 195.3                   | 6.1                   | 6.1                     | 6                 | 10   | 5000                                    | 5000                | 6                         | 10   | 5000                               |
|           | 159                                   | 102.2          | 183.5                 | 207.1                   | 6.1                   | 6.1                     | 6                 | 6    | 5000                                    | 5000                | 6                         | 10   | 5000                               |
|           | 178.5                                 | 112            | 203.1                 | 226.8                   | 6.1                   | 6.1                     | 6                 | 6    | 4450                                    | 5000                | 6                         | 10   | 5000                               |
|           | 198                                   | 121.9          | 222.8                 | 246.5                   | 6.1                   | 6.1                     | 6                 | 6    | 3500                                    | 4550                | 6                         | 6    | 4850                               |
|           | 218                                   | 131.7          | 242.5                 | 266.1                   | 6.1                   | 6.1                     | ---               | ---  | ---                                     | ---                 | 6                         | 6    | 4600                               |
| 237.5     | 143.1                                 | 262.2          | 285.8                 | 6.1                     | 6.1                   | ---                     | ---               | ---  | ---                                     | 6                   | 6                         | 4050 |                                    |
| FV        | 80                                    | 58.9           | 102.2                 | 128.3                   | 35.4                  | 10.9                    | 6                 | 6    | 5000                                    | 5000                | 6                         | 6    | 5000                               |
|           | 100                                   | 68.7           | 121.9                 | 148                     | 45.3                  | 20.7                    | 6                 | 10   | 5000                                    | 5000                | 6                         | 10   | 5000                               |
|           | 107.5                                 | 72.6           | 129.7                 | 155.9                   | 49.2                  | 24.6                    | 6                 | 10   | 5000                                    | 5000                | 6                         | 10   | 5000                               |
|           | 119.5                                 | 78.5           | 141.5                 | 167.7                   | 55.1                  | 30.5                    | 6                 | 10   | 5000                                    | 5000                | 6                         | 10   | 5000                               |
|           | 131.5                                 | 84.5           | 153.3                 | 179.5                   | 61                    | 36.4                    | 6                 | 10   | 5000                                    | 5000                | 6                         | 10   | 5000                               |
|           | 139                                   | 88.4           | 161.2                 | 187.4                   | 65                    | 40.4                    | 6                 | 10   | 5000                                    | 5000                | 6                         | 10   | 5000                               |
|           | 147                                   | 94.7           | 169.1                 | 195.3                   | 71.3                  | 46.7                    | 6                 | 10   | 5000                                    | 5000                | 6                         | 10   | 5000                               |
| 159       | 102.2                                 | 180.9          | 207.1                 | 78.7                    | 54.2                  | 6                       | 6                 | 5000 | 5000                                    | 6                   | 10                        | 5000 |                                    |
| FSV       | 147                                   | 70.7           | 167.9                 | 195.3                   | 48.4                  | 22.7                    | 6                 | 6    | 5000                                    | 5000                | 6                         | 6    | 5000                               |
|           | 159                                   | 74.6           | 179.7                 | 207.1                   | 52.4                  | 26.6                    | 6                 | 6    | 5000                                    | 5000                | 6                         | 6    | 5000                               |
|           | 170.5                                 | 78.5           | 191.5                 | 218.9                   | 56.3                  | 30.5                    | 6                 | 6    | 5000                                    | 5000                | 6                         | 6    | 5000                               |
|           | 189                                   | 84.4           | 209.8                 | 237                     | 62.2                  | 36.4                    | 6                 | 6    | 3950                                    | 4850                | 6                         | 6    | 4950                               |
|           | 198                                   | 88.4           | 219.1                 | 246.5                   | 66.1                  | 40.4                    | 6                 | 6    | 3550                                    | 4500                | 6                         | 6    | 4850                               |
|           | 218                                   | 94.7           | 238.8                 | 266.1                   | 72.4                  | 46.7                    | 6                 | 6    | 2850                                    | 3850                | 6                         | 6    | 4500                               |
|           | 237.5                                 | 102.2          | 258.5                 | 285.8                   | 79.9                  | 54.2                    | 6                 | 6    | 2000                                    | 2550                | 6                         | 6    | 3500                               |
| 257.5     | 112                                   | 278.1          | 305.5                 | 89.8                    | 64                    | ---                     | ---               | ---  | ---                                     | 6                   | 6                         | 3200 |                                    |
| 277       | 121.9                                 | 297.8          | 325.2                 | 99.6                    | 73.9                  | ---                     | ---               | ---  | ---                                     | 6                   | 6                         | 2500 |                                    |

Note: Height of standard load backrest is 48in.

# 6,000 - 6,500 lbs. Mast Specifications

## 7FG(D)U30

| 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 24in. Load Center (LC) |                     | Tilt Range                |      | Load Capacity at 24in. Load Center |
|           |                                    |                | Without Load Backrest | With Std. Load Backrest |                       |                         | FWD               | BWD  | Standard Tread                          | Optional Wide Tread | FWD                       | BWD  |                                    |
|           |                                    |                |                       |                         |                       |                         |                   |      |   |                     |                           |      |                                    |
| in.       | in.                                | in.            | in.                   | in.                     | in.                   | deg.                    | deg.              | lbs. | lbs.                                    | deg.                | deg.                      | lbs. |                                    |
| V         | 80.5                               | 59.6           | 108.3                 | 128.5                   | 5.3                   | 5.3                     | 6                 | 10   | 6000                                    | 6000                | 6                         | 10   | 6000                               |
|           | 100                                | 69.5           | 128                   | 148.2                   | 5.3                   | 5.3                     | 6                 | 10   | 6000                                    | 6000                | 6                         | 10   | 6000                               |
|           | 108                                | 73.4           | 135.8                 | 156.1                   | 5.3                   | 5.3                     | 6                 | 10   | 6000                                    | 6000                | 6                         | 10   | 6000                               |
|           | 119.5                              | 79.3           | 147.6                 | 167.9                   | 5.3                   | 5.3                     | 6                 | 10   | 6000                                    | 6000                | 6                         | 10   | 6000                               |
|           | 131.5                              | 85             | 159.4                 | 179.7                   | 5.3                   | 5.3                     | 6                 | 10   | 6000                                    | 6000                | 6                         | 10   | 6000                               |
|           | 139.5                              | 89.2           | 167.3                 | 187.6                   | 5.3                   | 5.3                     | 6                 | 10   | 6000                                    | 6000                | 6                         | 10   | 6000                               |
|           | 147                                | 95.5           | 175.2                 | 195.5                   | 5.3                   | 5.3                     | 6                 | 10   | 6000                                    | 6000                | 6                         | 10   | 6000                               |
|           | 159                                | 103            | 187                   | 207.3                   | 5.3                   | 5.3                     | 6                 | 10   | 6000                                    | 6000                | 6                         | 10   | 6000                               |
|           | 178.5                              | 112.8          | 206.7                 | 227                     | 5.3                   | 5.3                     | 6                 | 6    | 6000                                    | 6000                | 6                         | 10   | 6000                               |
|           | 198.5                              | 122.6          | 226.4                 | 246.7                   | 5.3                   | 5.3                     | 6                 | 6    | 5300                                    | 5850                | 6                         | 6    | 6000                               |
|           | 218                                | 132.5          | 246.1                 | 266.3                   | 5.3                   | 5.3                     | ---               | ---  | ---                                     | ---                 | 6                         | 6    | 5550                               |
| 237.5     | 143.9                              | 265.7          | 286                   | 5.3                     | 5.3                   | ---                     | ---               | ---  | ---                                     | 6                   | 6                         | 4450 |                                    |
| FV        | 80.5                               | 59.6           | 103                   | 128.5                   | 35.4                  | 11.6                    | 6                 | 6    | 6000                                    | 6000                | 6                         | 6    | 6000                               |
|           | 100                                | 69.5           | 122.6                 | 148.2                   | 45.3                  | 21.5                    | 6                 | 10   | 6000                                    | 6000                | 6                         | 10   | 6000                               |
|           | 108                                | 73.4           | 130.5                 | 156.1                   | 49.2                  | 25.4                    | 6                 | 10   | 6000                                    | 6000                | 6                         | 10   | 6000                               |
|           | 119.5                              | 79.3           | 142.3                 | 167.9                   | 55.1                  | 31.3                    | 6                 | 10   | 6000                                    | 6000                | 6                         | 10   | 6000                               |
|           | 131.5                              | 85             | 154.1                 | 179.7                   | 61                    | 37.2                    | 6                 | 10   | 6000                                    | 6000                | 6                         | 10   | 6000                               |
|           | 139.5                              | 89.2           | 162                   | 187.6                   | 65                    | 41.2                    | 6                 | 10   | 6000                                    | 6000                | 6                         | 10   | 6000                               |
|           | 147                                | 95.5           | 169.9                 | 195.5                   | 71.3                  | 47.5                    | 6                 | 10   | 6000                                    | 6000                | 6                         | 10   | 6000                               |
|           | 159                                | 103            | 181.7                 | 207.3                   | 78.7                  | 55                      | 6                 | 10   | 6000                                    | 6000                | 6                         | 10   | 6000                               |
| FSV       | 147                                | 75.4           | 169.9                 | 195.5                   | 51.2                  | 27.4                    | 6                 | 6    | 6000                                    | 6000                | 6                         | 6    | 6000                               |
|           | 159                                | 79.3           | 181.7                 | 207.3                   | 55.1                  | 31.3                    | 6                 | 6    | 6000                                    | 6000                | 6                         | 6    | 6000                               |
|           | 171                                | 85.2           | 193.5                 | 219.1                   | 61                    | 37.2                    | 6                 | 6    | 6000                                    | 6000                | 6                         | 6    | 6000                               |
|           | 187                                | 89.2           | 209.8                 | 235                     | 65                    | 41.2                    | 6                 | 6    | 6000                                    | 6000                | 6                         | 6    | 6000                               |
|           | 198.5                              | 95.5           | 221.1                 | 246.7                   | 71.3                  | 47.5                    | 6                 | 6    | 5600                                    | 5800                | 6                         | 6    | 6000                               |
|           | 218                                | 103            | 240.7                 | 266.3                   | 78.7                  | 55                      | 6                 | 6    | 4200                                    | 5300                | 6                         | 6    | 5600                               |
|           | 237.5                              | 112.8          | 260.4                 | 286                     | 88.6                  | 64.8                    | 6                 | 6    | 3100                                    | 3500                | 6                         | 6    | 4300                               |
|           | 257.5                              | 122.6          | 280.1                 | 305.7                   | 98.4                  | 74.6                    | ---               | ---  | ---                                     | ---                 | 6                         | 6    | 3500                               |
| 277       | 132.5                              | 299.8          | 325.4                 | 108.3                   | 84.5                  | ---                     | ---               | ---  | ---                                     | 6                   | 6                         | 2600 |                                    |

Note: Height of standard load backrest is 48in

## 7FG(D)U32

| 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 24in. Load Center (LC) |                     | Tilt Range                |      | Load Capacity at 24in. Load Center |
|           |                                    |                | Without Load Backrest | With Std. Load Backrest |                       |                         | FWD               | BWD  | Standard Tread                          | Optional Wide Tread | FWD                       | BWD  |                                    |
|           |                                    |                |                       |                         |                       |                         |                   |      |   |                     |                           |      |                                    |
| in.       | in.                                | in.            | in.                   | in.                     | in.                   | deg.                    | deg.              | lbs. | lbs.                                    | deg.                | deg.                      | lbs. |                                    |
| V         | 80.5                               | 59.6           | 108.3                 | 128.5                   | 5.3                   | 5.3                     | 6                 | 10   | 6500                                    | 6500                | 6                         | 10   | 6500                               |
|           | 100                                | 69.5           | 128                   | 148.2                   | 5.3                   | 5.3                     | 6                 | 10   | 6500                                    | 6500                | 6                         | 10   | 6500                               |
|           | 108                                | 73.4           | 135.8                 | 156.1                   | 5.3                   | 5.3                     | 6                 | 10   | 6500                                    | 6500                | 6                         | 10   | 6500                               |
|           | 119.5                              | 79.3           | 147.6                 | 167.9                   | 5.3                   | 5.3                     | 6                 | 10   | 6500                                    | 6500                | 6                         | 10   | 6500                               |
|           | 131.5                              | 85             | 159.4                 | 179.7                   | 5.3                   | 5.3                     | 6                 | 10   | 6500                                    | 6500                | 6                         | 10   | 6500                               |
|           | 139.5                              | 89.2           | 167.3                 | 187.6                   | 5.3                   | 5.3                     | 6                 | 10   | 6500                                    | 6500                | 6                         | 10   | 6500                               |
|           | 147                                | 95.5           | 175.2                 | 195.5                   | 5.3                   | 5.3                     | 6                 | 10   | 6500                                    | 6500                | 6                         | 10   | 6500                               |
|           | 159                                | 103            | 187                   | 207.3                   | 5.3                   | 5.3                     | 6                 | 10   | 6500                                    | 6500                | 6                         | 10   | 6500                               |
|           | 178.5                              | 112.8          | 206.7                 | 227                     | 5.3                   | 5.3                     | 6                 | 6    | 6500                                    | 6500                | 6                         | 10   | 6500                               |
|           | 198.5                              | 122.6          | 226.4                 | 246.7                   | 5.3                   | 5.3                     | 6                 | 6    | 6150                                    | 6500                | 6                         | 6    | 6500                               |
|           | 218                                | 132.5          | 246.1                 | 266.3                   | 5.3                   | 5.3                     | ---               | ---  | ---                                     | ---                 | 6                         | 6    | 5500                               |
| 237.5     | 143.9                              | 265.7          | 286                   | 5.3                     | 5.3                   | ---                     | ---               | ---  | ---                                     | 6                   | 6                         | 4200 |                                    |
| FV        | 80.5                               | 59.6           | 108.1                 | 128.5                   | 30.3                  | 11.6                    | 6                 | 6    | 6500                                    | 6500                | 6                         | 6    | 6500                               |
|           | 100                                | 69.5           | 127.8                 | 148.2                   | 40.2                  | 21.5                    | 6                 | 10   | 6500                                    | 6500                | 6                         | 10   | 6500                               |
|           | 108                                | 73.4           | 135.6                 | 156.1                   | 44.1                  | 25.4                    | 6                 | 10   | 6500                                    | 6500                | 6                         | 10   | 6500                               |
|           | 119.5                              | 79.3           | 147.4                 | 167.9                   | 50                    | 31.3                    | 6                 | 10   | 6500                                    | 6500                | 6                         | 10   | 6500                               |
|           | 131.5                              | 85             | 159.3                 | 179.7                   | 55.9                  | 37.2                    | 6                 | 10   | 6500                                    | 6500                | 6                         | 10   | 6500                               |
|           | 139.5                              | 89.2           | 167.1                 | 187.6                   | 59.8                  | 41.2                    | 6                 | 10   | 6500                                    | 6500                | 6                         | 10   | 6500                               |
|           | 147                                | 95.5           | 175                   | 195.5                   | 66.1                  | 47.5                    | 6                 | 10   | 6500                                    | 6500                | 6                         | 10   | 6500                               |
|           | 159                                | 103            | 186.8                 | 207.3                   | 73.6                  | 55                      | 6                 | 10   | 6500                                    | 6500                | 6                         | 10   | 6500                               |
| FSV       | 147                                | 75.4           | 175                   | 195.5                   | 46.1                  | 27.4                    | 6                 | 6    | 6500                                    | 6500                | 6                         | 6    | 6500                               |
|           | 159                                | 79.3           | 186.8                 | 207.3                   | 50                    | 31.3                    | 6                 | 6    | 6500                                    | 6500                | 6                         | 6    | 6500                               |
|           | 171                                | 85.2           | 198.6                 | 219.1                   | 55.9                  | 37.2                    | 6                 | 6    | 6500                                    | 6500                | 6                         | 6    | 6500                               |
|           | 187                                | 89.2           | 215                   | 235                     | 59.8                  | 41.2                    | 6                 | 6    | 6500                                    | 6500                | 6                         | 6    | 6500                               |
|           | 198.5                              | 95.5           | 226.2                 | 246.7                   | 66.1                  | 47.5                    | 6                 | 6    | 5750                                    | 6400                | 6                         | 6    | 6500                               |
|           | 218                                | 103            | 245.9                 | 266.3                   | 73.6                  | 55                      | 6                 | 6    | 4200                                    | 5500                | 6                         | 6    | 6050                               |
|           | 237.5                              | 112.8          | 265.6                 | 286                     | 83.5                  | 64.8                    | 6                 | 6    | 3300                                    | 4000                | 6                         | 6    | 5750                               |
|           | 257.5                              | 122.6          | 285.2                 | 305.7                   | 93.3                  | 74.6                    | ---               | ---  | ---                                     | ---                 | 6                         | 6    | 3500                               |
| 277       | 132.5                              | 304.9          | 325.4                 | 103.1                   | 84.5                  | ---                     | ---               | ---  | ---                                     | 6                   | 6                         | 2300 |                                    |

Note: Height of standard load backrest is 48in.

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.