

# CORE DIESEL PNEUMATIC



4000 - 6500 LBS.

SPECIFICATIONS



40-8FDU20-32

CLASS  
5

DIESEL ENGINE PNEUMATIC TIRE

[ToyotaForklift.com](http://ToyotaForklift.com)

## CORE DIESEL PNEUMATIC

CAPACITY  
**4000 - 6500 LBS.**

WHEELBASE  
**58.5 - 66.9 IN.**

LOAD CENTER  
**24 IN.**

### INDUSTRIES



Brick, Block  
& Pipe



Distribution



Factory



General  
Manufacturing



General  
Warehousing



Lumber



Paper



Retail

## STANDARD FEATURES

### DURABILITY

- Controller 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 76Ah battery (AGM)
- 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
- Rear wheel well covers
- Scratch zones on both sides of counterweight
- Limited free-lift 2-stage mast (V)

### SUPPORT

- 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
- Single touch maximum speed limitation & low speed setting
- LED Headlights
- Key Off/Headlight Off System
- Speed control
- Load Meter

### PERFORMANCE

- UL "D" Diesel Engine
  - 2.4L 4-cylinder Kubota V2403 Diesel Engine
  - Common rail diesel engine
  - EPA/CARB Tier 4 Final certified diesel engine with exhaust gas recirculation, diesel oxidation catalyst & diesel particulate filter
- Integrated monitoring system - includes:
  - Digital hour meter display
  - Speedometer
  - Pre-heating indicator lamp
  - Engine coolant temperature gauge
  - Check engine light
  - Seimentor warning light
  - Low speed setting
  - Engine auto stop system
  - Clogged air cleaner warning lamp
  - Glow indicator light
  - Engine oil pressure warning light
  - Battery charge warning light
  - OPSS activation light
  - SAS/OPSS warning light
  - Alternator with built-in regulator
  - Automatic transmission with oil cooler
  - Full floating powertrain
  - Electric shift control
  - Hydraulic valve lifters
  - Transistorized ignition assembly
  - Speed control (technician programmable)

### ERGONOMICS

- 11.8" diameter two-spoke steering wheel
- Load sensing hydrostatic power steering
- Heavy-duty non-slip rubber floor mat
- Cowl-mount hydraulic control levers with rubber boot covers
- 12" long dual operator assist grips
- Low, wide entry steps
- Dash integrated amenity tray
- Premium, full-suspension vinyl seat
- Integrated head light and turn signal lever
- One-way automatic fork leveling
- Independent brake & inching pedals
- Foot-activated parking brake
- MyInsights (telematics) equipped
- LCD Multi-Function Display II:
  - Data log function with QR Code output
  - Calendar
  - Date/Time
  - Master warning indicator
  - Wheel indicator
  - Direction indicator
  - Mast tilt indicator
  - Rental hour meter
  - Lap time meter
  - Traveling hour meter
  - Load handling hour meter
  - Travel/load handling hour meter
  - Seat on hour meter
  - Fuel information with QR code
  - Operation data log with QR code
  - Digital hour meter display
  - Engine coolant temperature gauge
  - Fuel gauge (excluding LP)
  - Check engine light
  - Sedimentor/Fuel filter warning light (diesel only)
  - Glow indicator light (diesel only)
  - Engine oil pressure warning light
  - Battery charge warning light
  - Parking brake indicator
  - SAS/OPSS warning light

### 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° opening

## OPTIONAL EQUIPMENT

### MASTS

- Wide Visible Mast (V)
- Full-Free Lift Two-Stage Mast (FV)
- Full-Free Lift Three-Stage Mast (FSV)
- Full-Free Lift Four -Stage Mast (QFV)

### LOAD HANDLING

- Black Forks
- Dual Quick Disconnects
- Fork Bar (Carriage)
- Fully Charged Outer Lift Cylinders
- Fully Tapered and Polished Forks
- High Load Backrest
- Hydraulic Accumulator
- Less Forks
- Hydraulic Oil Cooler
- Less Mast and Forks and Backrest
- Mast 3 Degree Back Tilt
- Mast Tilt [Bottler's Tilt (Fwd 10° / Bwd 6°)]
- Side Hosing Termination
- Single Quick Disconnects
- Tapered Forks
- Tilt Cylinder Boots
- Tilt Cylinder Hole Seal
- Without Load Backrest

### LOAD HANDLING (HOSE & VALVE ASSEMBLY)

- 3 Way Valve
- 4 Way Valve
- 5 functions (With 3rd & 4th Function Hosing)

### LOAD HANDLING (ATTACHMENT, HOSE & VALVE ASSEMBLY)

- Toyota Integral SS
- Integral SS
- Cascade SS
- RightLine SS
- Clamp Release Interlock

### POWERTRAIN

- Engine Oil Quick Drain Valve
- Keyless Ignition Switch
- Pre-cleaner
- Radiator (Plate Fin)
- Transmission Protection Plate (Skid Plate)
- Upswept Exhaust

### BODY

- Anti-Static Strap
- Document Box
- Engine Hood Ventilator
- High Capacity Cooling Package
- Tool Box
- Pencil / Tape Holder (Mounted on OHG Leg)
- Premium Ventilation Package
- Radiator Screen
- Rear View Mirrors (Left & Right Sides)
- Rust Proof Spec
- Special Paint (ONE Color Only)
- Special Paint (Two Color Only)

### STEERING AND OPERATION

- Intelli-Shift
- Single Pedal (Combination Brake / Inching)
- Steering Wheel With Knob
- Synchronized Steering

### OVERHEAD GUARD

- 5" Raised OHG (+/- 1.57" Tolerance)
- Metal OHG Test Plate

### LIGHTS

- LED FR Combination Lights
- LED Rear Combination Lights
- LED Rear Working light
- LED Strobe Light (Amber)
- LED Strobe Light (Red)
- LED Strobe Light (Blue)
- Blue Light (Key On/Off)
- Blue Light (Back On/Off)
- Operator Compartment Light

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

Specifications and features are subject to change. For the latest information, please contact your local authorized Toyota Dealer.

## OPTIONAL EQUIPMENT CONTINUED

### CABIN OPTIONS

- Standard Steel Cabin

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### INDICATORS AND MISCELLANEOUS

- 12 Volt Power Supply
- Adj Volume Back-up Alarm (Smart Alarm)
- Back-up Alarm
- Fire Extinguisher
- Telematics Display
- High Volume Back-up Alarm
- Pre Delivery Inspection
- Rear Pillar Assist Grip with Horn Button

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### SEATS AND SEATBELTS

- 4-Way Adjustable Cloth Full-Suspension Seat
- 17.5 Degree Vinyl Swivel Seat (with standard seat)
- 17.5 Degree Cloth Swivel Seat (with G40C seat)
- Orange Seat Belt
- Seatbelt Interlock

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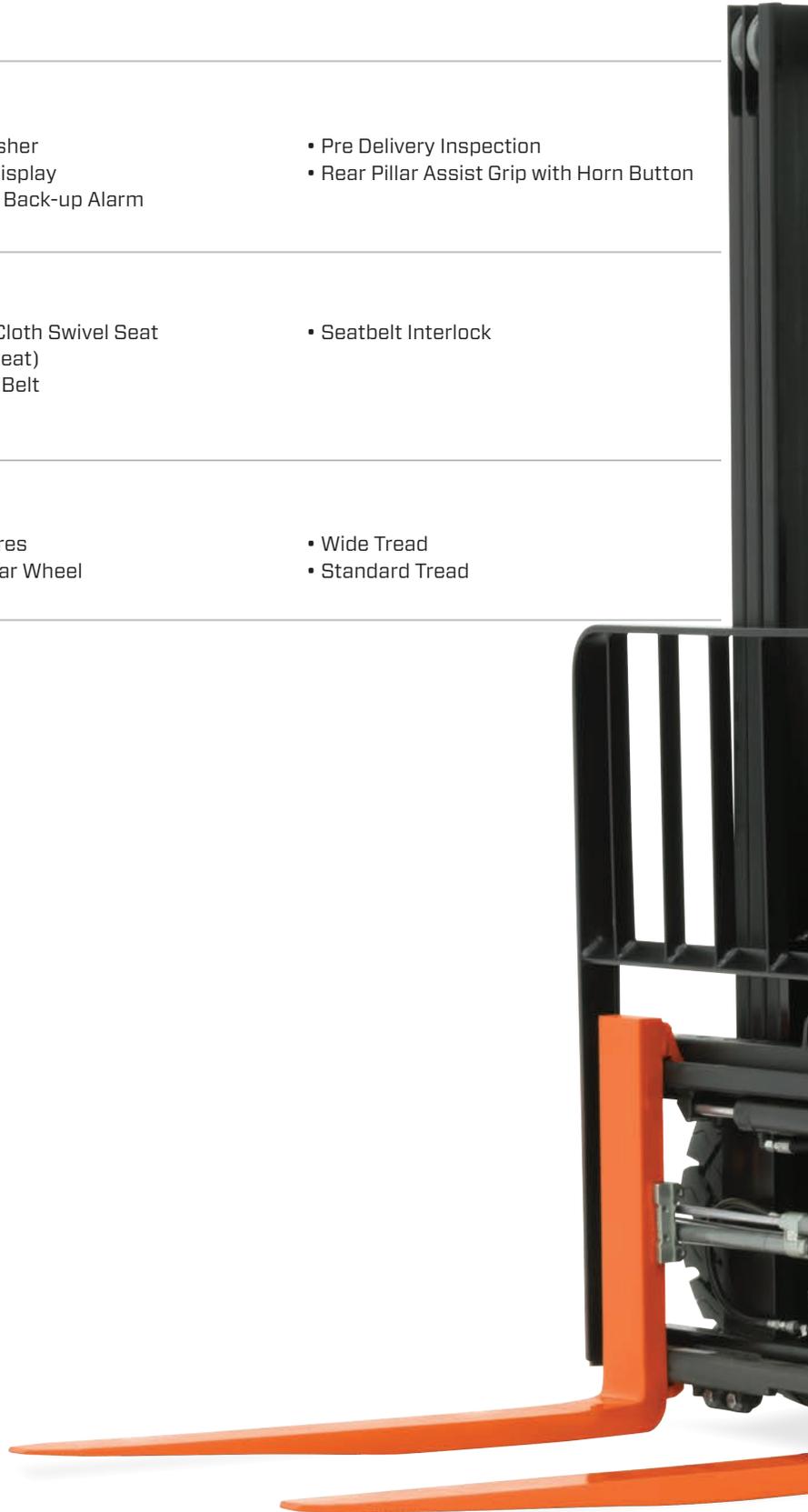
### CHASSIS

- Dual Drive Tires
- Front Solid Tires
- Rear Solid Tires
- Side Ring Rear Wheel
- Wide Tread
- Standard Tread

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### SPECIAL U.L. MODEL

- Without UL Label



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# TRUCK SPECIFICATIONS

## MODEL NUMBERS

GENERAL DATA				40-8FDU20	40-8FDU25	
Load Capacity	lb (kg)			4000 (1800)	5000 (2250)	
Power Type				Diesel	Diesel	
Operator Position				Seated Rider	Seated Rider	
Tire Type	Front / Rear			Pneumatic	Pneumatic	
Wheels (x = driven)	Front / Rear			2x / 2	2x / 2	
EXTERIOR DIMENSIONS				40-8FDU20	40-8FDU25	
<b>A</b> Maximum Fork Height (top of forks)	in (mm)			131.5 (3340)	131.5 (3340)	
<b>B</b> Free-Lift (top of forks)	in (mm)			6.1 (155)	6.1 (155)	
<b>C</b> Fork Size (T x W x L)	in (mm)			1.6 x 5 x 42 (40 x 125 x 1070)	1.6 x 5 x 42 (40 x 125 x 1070)	
<b>D</b> Fork Spread Max. / Min. (outer edge to edge)	in (mm)			40 (1020) / 10 (250)	40 (1020) / 10 (250)	
<b>E</b> Tilt Range (forward / backward)	deg			6° / 11°	6° / 11°	
<b>F</b> Length to Fork Face <sup>1</sup>	in (mm)			101.8 (2585)	104.5 (2655)	
<b>G</b> Overall Width	in (mm)			45.3 (1150)	45.3 (1150)	
<b>H</b> Mast Lowered Height	in (mm)			84.5 (2145)	84.5 (2145)	
<b>I</b> Mast Extended Height (top of load backrest)	in (mm)			179.5 (4560)	179.5 (4560)	
<b>J</b> Overhead Guard Height <sup>3</sup>	in (mm)			83.1 (2110)	83.1 (2110)	
<b>K</b> Turning Radius (inside / outside) <sup>1</sup>	in (mm)			90.9 (2310)	92.9 (2360)	
<b>L</b> Load Distance (Centerline of Front Axle to Front Face of Forks)	in (mm)			18.5 (470)	18.5 (470)	
<b>M</b> Rear Overhang	in (mm)			18.3 (465)	21.1 (535)	
<b>N</b> Basic Right-Angle Stacking Aisle Width <sup>4</sup>	in (mm)			109.4 (2780)	111.4 (2830)	
PERFORMANCE DATA				40-8FDU20	40-8FDU25	
Speeds <sup>1</sup>	Maximum Travel (forward / reverse)	Full Load	mph (km/h)	11.2 (18.0) / 10.9 (17.5)	10.9 (17.5) / 10.9 (17.5)	
		No Load	mph (km/h)	11.5 (18.5) / 11.5 (18.5)	11.5 (18.5) / 11.2 (18.0)	
	Lifting	Full Load	fpm (mm/sec)	117 (595)	117 (585)	
		No Load	fpm (mm/sec)	123 (625)	123 (625)	
	Lowering	Full Load	fpm (mm/sec)	99 (505)	100 (510)	
		No Load	fpm (mm/sec)	94 (475)	94 (475)	
Drawbar Pull <sup>1</sup>	Maximum	Full Load	lb (kg) <N>	4630 (2100) <20600>	4585 (20800) <20400>	
		No Load	lb (kg) <N>	2430 (1100) <10800>	2290 (1035) <10200>	
Gradeability	1 mph (1.5 km/h) <sup>1</sup>	Full Load	%	35	29	
		Maximum <sup>3</sup>	Full Load	%	43	36
			No Load	%	22	19
TRUCK WEIGHTS				40-8FDU20	40-8FDU25	
Total Weight <sup>1</sup>	lb (kg)			7480 (3390)	8220 (3730)	
Weight Distribution <sup>1</sup>	Full Load (front / rear)		lb (kg)	10210 (4630) / 1680 (760)	11770 (5340) / 1960 (890)	
	No Load (front / rear)		lb (kg)	3220 (1460) / 4260 (1930)	3040 (1380) / 5180 (2350)	
TIRES				40-8FDU20	40-8FDU25	
Tires	Number (front / rear)			2 / 2	2 / 2	
	Size	Front		7.00-12-12PR (I)	7.00-12-12PR (I)	
		Rear		6.00-9-10PR (I)	6.00-9-10PR (I)	
Wheelbase	in (mm)			65 (1650)	65 (1650)	
Tread Width (front / rear)	in (mm)			37.8 (960) / 38.0 (965)	37.8 (960) / 38.0 (965)	
Underclearance (full load)	Minimum with Load		in (mm)	3.7 (95)	3.7 (95)	
	Center of Wheelbase		in (mm)	5.5 (140)	5.5 (140)	
Brake	Service (foot) / Parking (foot)			Hydraulic / Mechanical	Hydraulic / Mechanical	
POWER SYSTEM				40-8FDU20	40-8FDU25	
Battery (5-hour rating)	V / Ah			12 / 76	12 / 76	
Internal Combustion Engine <sup>1</sup>	Make / Model			Kubota / V2403	Kubota / V2403	
	Rated Horsepower @ rpm	SAE HP		57 @ 2400 Net	57 @ 2400 Net	
		(kW)		(42.6 @ 2240)	(42.6 @ 2240)	
	Rated Torque @ rpm	SAE ft-lb		145 @ 1500 Net	145 @ 1500 Net	
		(N-m)		(196 @ 1500)	(196 @ 1500)	
	Number of Cylinders			4	4	
Piston Displacement	cu in (cc)		148.5 (2434)	148.5 (2434)		
Fuel Tank Capacity	US gal (liter)		15.9 (60)	15.9 (60)		
Transmission	Type			Powershift	Powershift	
	Speeds (forward / reverse)			1 / 1	1 / 1	
Auxiliary Hydraulic Function Specifications (for attachments) <sup>2</sup>	Max. Operating Pressure		psi (kg/cm <sup>2</sup> )	2275 (160)	2275 (160)	
	Max. Flow Rate		gpm	19	19	

1 Computed values.

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

3 Overhead guard height tolerance is +/- 1.57" (measured from the ground to the top of the overhead guard)

4 Add load length and width

Specifications and features are subject to change. For the latest information, please contact your local authorized Toyota Dealer.

MODEL NUMBERS

GENERAL DATA				40-8FDU30	40-8FDU32
Load Capacity			lb (kg)	6000 (2700)	6500 (3000)
Power Type				Diesel	Diesel
Operator Position				Seated Rider	Seated Rider
Tire Type	Front / Rear			Pneumatic	Pneumatic
Wheels (x = driven)	Front / Rear			2x / 2	2x / 2
EXTERIOR DIMENSIONS				40-8FDU30	40-8FDU32
<b>A</b> Maximum Fork Height (top of forks)			in (mm)	131.5 (3345)	131.5 (3345)
<b>B</b> Free-Lift (top of forks)			in (mm)	5.3 (135)	5.3 (135)
<b>C</b> Fork Size (T x W x L)			in (mm)	1.8 x 5 x 42 (45 x 125 x 1070)	1.8 x 5 x 42 (45 x 125 x 1070)
<b>D</b> Fork Spread Max. / Min. (outer edge to edge)			in (mm)	42 (1070) / 10 (250)	42 (1070) / 10 (250)
<b>E</b> Tilt Range (forward / backward)			deg	6° / 11°	6° / 11°
<b>F</b> Length to Fork Face <sup>1</sup>			in (mm)	110.0 (2795)	110.8 (2815)
<b>G</b> Overall Width			in (mm)	48.8 (1240)	48.8 (1240)
<b>H</b> Mast Lowered Height			in (mm)	85.3 (2165)	85.3 (2165)
<b>I</b> Mast Extended Height (top of load backrest)			in (mm)	179.7 (4565)	179.7 (4565)
<b>J</b> Overhead Guard Height <sup>3</sup>			in (mm)	85.5 (2170)	85.5 (2170)
<b>K</b> Turning Radius (inside / outside) <sup>1</sup>			in (mm)	96.8 (2460)	98 (2490)
<b>L</b> Load Distance (Centerline of Front Axle to Front Face of Forks)			in (mm)	19.1 (485)	19.1 (485)
<b>M</b> Rear Overhang			in (mm)	24 (610)	24.8 (630)
<b>N</b> Basic Right-Angle Stacking Aisle Width <sup>4</sup>			in (mm)	115.9 (2945)	117.1 (2975)
PERFORMANCE DATA				40-8FDU30	40-8FDU32
Speeds <sup>1</sup>	Maximum Travel (forward / reverse)	Full Load	mph (km/h)	11.2 (18.0) / 11.2 (18.0)	11.2 (18.0) / 11.2 (18.0)
		No Load	mph (km/h)	11.8 (19.0) / 11.5 (18.5)	11.8 (19.0) / 11.5 (18.5)
	Lifting	Full Load	fpm (mm/sec)	95 (485)	95 (485)
		No Load	fpm (mm/sec)	101 (515)	101 (515)
	Lowering	Full Load	fpm (mm/sec)	103 (525)	103 (525)
		No Load	fpm (mm/sec)	93 (470)	93 (470)
Drawbar Pull <sup>1</sup>	Maximum	Full Load	lb (kg) <N>	4380 (1990) <19500>	4380 (1990) <19500>
		No Load	lb (kg) <N>	2470 (1120) <11000>	2470 (1120) <11000>
Gradeability	1 mph (1.5 km/h) <sup>1</sup>	Full Load	%	23	20
		Full Load	%	27	26
	Maximum <sup>3</sup>	No Load	%	20	20
TRUCK WEIGHTS				40-8FDU30	40-8FDU32
Total Weight <sup>1</sup>			lb (kg)	9630 (4370)	9830 (4460)
Weight Distribution <sup>1</sup>	Full Load (front / rear)		lb (kg)	13910 (6310) / 2340 (1060)	14680 (6660) / 2290 (1040)
	No Load (front / rear)		lb (kg)	3480 (1580) / 6450 (2790)	3370 (1530) / 6460 (2930)
TIRES				40-8FDU30	40-8FDU32
Tires	Number (front / rear)			2 / 2	2 / 2
	Size	Front		28 x 9-15-12PR (I)	28 x 9-15-14PR (I)
		Rear		6.50-10-10PR (I)	6.50-10-10PR (I)
Wheelbase			in (mm)	66.9 (1700)	66.9 (1700)
Tread Width (front / rear)			in (mm)	39.8 (1010) / 38 (965)	39.8 (1010) / 38 (965)
Underclearance (full load)	Minimum with Load		in (mm)	4.5 (115)	4.5 (115)
	Center of Wheelbase		in (mm)	7.3 (185)	7.3 (185)
Brake	Service (foot) / Parking (foot)			Hydraulic / Mechanical	Hydraulic / Mechanical
POWER SYSTEM				40-8FDU30	40-8FDU32
Battery (5-hour rating)			V / Ah	12 / 76	12 / 76
Internal Combustion Engine <sup>1</sup>	Make / Model			Kubota / V2403	Kubota / V2403
	Rated Horsepower @ rpm	SAE HP		57 @ 2400 Net	57 @ 2400 Net
		(kW)		(42.6 @ 2240)	(42.6 @ 2240)
	Rated Torque @ rpm	SAE ft-lb		145 @ 1500 Net	145 @ 1500 Net
		(N-m)		(196 @ 1500)	(196 @ 1500)
	Number of Cylinders				4
Piston Displacement	cu in (cc)			148.5 (2434)	148.5 (2434)
Fuel Tank Capacity	US gal (liter)			15.9 (60)	15.9 (60)
Transmission	Type			Powershift	Powershift
	Speeds (forward / reverse)			1 / 1	1 / 1
Auxiliary Hydraulic Function Specifications (for attachments) <sup>2</sup>	Max. Operating Pressure		psi (kg/cm <sup>2</sup> )	2275 (160)	2275 (160)
	Max. Flow Rate		gpm	20	20

1 Computed values.

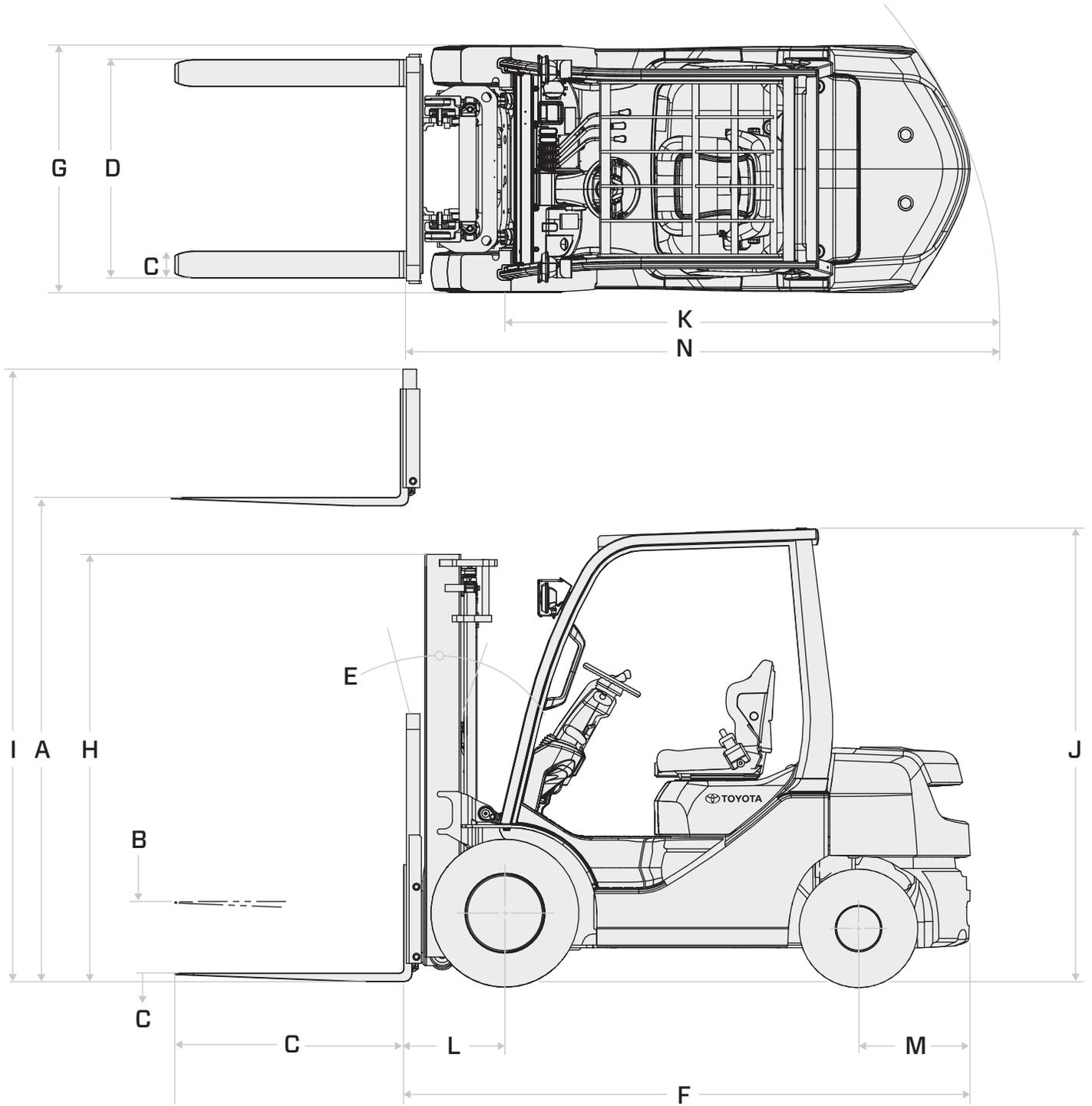
2 Values taken at Hydraulic Control Valve. Does not take in to consideration losses through mast plumbing (hosing, fittings, QDs, etc.).

3 Overhead guard height tolerance is +/- 1.57" (measured from the ground to the top of the overhead guard)

4 Add load length and width

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EXTERIOR DIMENSIONS



# MAST SPECIFICATIONS

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT				FREE-LIFT		SINGLE TIRE				DUAL TIRE	
		LOWERED	EXTENDED		WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST <sup>1</sup>	TILT RANGE		LOAD CAPACITY AT 24 IN. (600 MM) LOAD CENTER		TILT RANGE		LOAD CAPACITY AT 24 IN. (600 MM) LOAD CENTER
			WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST			FWD	BWD	NARROW TREAD	WIDE TREAD	FWD	BWD	
<b>40-8FDU20</b>													
Wide Visible (V)	80 (2040)	58.9 (1495)	104.7 (2660)	128.3 (3260)	6.1 (155)	6.1 (155)	6	11	4000 <sup>1</sup> (1800) <sup>1</sup>	4000 <sup>1</sup> (1800) <sup>1</sup>	6	11	4000 <sup>1</sup> (1800) <sup>1</sup>
	119.5 (3040)	78.5 (1995)	144.1 (3660)	167.7 (4260)	6.1 (155)	6.1 (155)	6	11	4000 <sup>1</sup> (1800) <sup>1</sup>	4000 <sup>1</sup> (1800) <sup>1</sup>	6	11	4000 <sup>1</sup> (1800) <sup>1</sup>
	131.5 (3340)	84.5 (2145)	155.9 (3960)	179.5 (4560)	6.1 (155)	6.1 (155)	6	11	4000 <sup>1</sup> (1800) <sup>1</sup>	4000 <sup>1</sup> (1800) <sup>1</sup>	6	11	4000 <sup>1</sup> (1800) <sup>1</sup>
	139 (3540)	88.4 (2245)	163.8 (4160)	187.4 (4760)	6.1 (155)	6.1 (155)	6	11	4000 <sup>1</sup> (1800) <sup>1</sup>	4000 <sup>1</sup> (1800) <sup>1</sup>	6	11	4000 <sup>1</sup> (1800) <sup>1</sup>
	147 (3740)	94.7 (2405)	171.7 (4360)	195.3 (4960)	6.1 (155)	6.1 (155)	6	11	4000 <sup>1</sup> (1800) <sup>1</sup>	4000 <sup>1</sup> (1800) <sup>1</sup>	6	11	4000 <sup>1</sup> (1800) <sup>1</sup>
Full Free-Lift 2-Stage (FV)	159 (4040)	102.2 (2595)	183.5 (4660)	207.1 (5260)	6.1 (155)	6.1 (155)	6	11	4000 <sup>1</sup> (1800) <sup>1</sup>	4000 <sup>1</sup> (1800) <sup>1</sup>	6	11	4000 <sup>1</sup> (1800) <sup>1</sup>
	119.5 (3040)	78.5 (1995)	143.5 (3645)	167.7 (4260)	55.1 (1400)	30.5 (775)	6	11	4000 <sup>1</sup> (1800) <sup>1</sup>	4000 <sup>1</sup> (1800) <sup>1</sup>	6	11	4000 <sup>1</sup> (1800) <sup>1</sup>
	131.5 (3340)	84.5 (2145)	151.4 (3845)	179.5 (4560)	61 (1550)	36.4 (925)	6	11	4000 <sup>1</sup> (1800) <sup>1</sup>	4000 <sup>1</sup> (1800) <sup>1</sup>	6	11	4000 <sup>1</sup> (1800) <sup>1</sup>
Full Free-Lift 3-Stage (FSV)	139 (3540)	88.4 (2245)	163.2 (4145)	187.4 (4760)	65 (1650)	40.4 (1025)	6	11	4000 <sup>1</sup> (1800) <sup>1</sup>	4000 <sup>1</sup> (1800) <sup>1</sup>	6	11	4000 <sup>1</sup> (1800) <sup>1</sup>
	159 (4040)	74.6 (1895)	181.5 (4610)	206.7 (5250)	52.4 (1330)	26.6 (675)	6	6	4000 <sup>1</sup> (1800) <sup>1</sup>	4000 <sup>1</sup> (1800) <sup>1</sup>	6	6	4000 <sup>1</sup> (1800) <sup>1</sup>
	170.5 (4340)	78.5 (1995)	193.3 (4910)	218.5 (5550)	56.3 (1430)	30.5 (775)	6	6	4000 <sup>1</sup> (1800) <sup>1</sup>	4000 <sup>1</sup> (1800) <sup>1</sup>	6	6	4000 <sup>1</sup> (1800) <sup>1</sup>
	189 (4800)	84.5 (2145)	211.4 (5370)	236.6 (6010)	62.2 (1580)	36.4 (915)	6	6	3900 <sup>1</sup> (1750) <sup>1</sup>	4000 <sup>1</sup> (1800) <sup>1</sup>	6	6	4000 <sup>1</sup> (1800) <sup>1</sup>
	198 (5040)	88.4 (2245)	220.9 (5610)	246.1 (6250)	66.1 (1680)	40.4 (1015)	6	6	3550 <sup>1</sup> (1600) <sup>1</sup>	4000 <sup>1</sup> (1800) <sup>1</sup>	6	6	4000 <sup>1</sup> (1800) <sup>1</sup>
	218 (5540)	94.7 (2405)	240.6 (6110)	265.7 (6750)	72.4 (1840)	46.7 (1185)	6	6	2800 <sup>1</sup> (1250) <sup>1</sup>	3500 <sup>1</sup> (1600) <sup>1</sup>	6	6	3750 <sup>1</sup> (1700) <sup>1</sup>
	237.5 (6040)	102.2 (2595)	260.2 (6610)	285.4 (7250)	79.9 (2030)	54.2 (1375)	6	6	2000 <sup>1</sup> (900) <sup>1</sup>	2550 <sup>1</sup> (1150) <sup>1</sup>	6	6	3300 <sup>1</sup> (1500) <sup>1</sup>
	257.5 (6540)	112 (2845)	279.9 (7110)	305.1 (7750)	89.8 (2280)	64 (1625)	---	---	---	---	6	6	3200 <sup>1</sup> (1450) <sup>1</sup>
277 (7040)	121.9 (3095)	299.6 (7610)	324.8 (8250)	99.6 (2530)	73.9 (1875)	---	---	---	---	6	6	2600 <sup>1</sup> (1200) <sup>1</sup>	

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT				FREE-LIFT		SINGLE TIRE				DUAL TIRE	
		LOWERED	EXTENDED		WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST <sup>1</sup>	TILT RANGE		LOAD CAPACITY AT 24 IN. (600 MM) LOAD CENTER		TILT RANGE		LOAD CAPACITY AT 24 IN. (600 MM) LOAD CENTER
			WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST			FWD	BWD	NARROW TREAD	WIDE TREAD	FWD	BWD	
<b>40-8FDU25</b>													
Wide Visible (V)	80 (2040)	58.9 (1495)	104.7 (2660)	128.3 (3260)	6.1 (155)	6.1 (155)	6	11	5000 <sup>1</sup> (2250) <sup>1</sup>	5000 <sup>1</sup> (2250) <sup>1</sup>	6	11	5000 <sup>1</sup> (2250) <sup>1</sup>
	119.5 (3040)	78.5 (1995)	144.1 (3660)	167.7 (4260)	6.1 (155)	6.1 (155)	6	11	5000 <sup>1</sup> (2250) <sup>1</sup>	5000 <sup>1</sup> (2250) <sup>1</sup>	6	11	5000 <sup>1</sup> (2250) <sup>1</sup>
	131.5 (3340)	84.5 (2145)	155.9 (3960)	179.5 (4560)	6.1 (155)	6.1 (155)	6	11	5000 <sup>1</sup> (2250) <sup>1</sup>	5000 <sup>1</sup> (2250) <sup>1</sup>	6	11	5000 <sup>1</sup> (2250) <sup>1</sup>
	139 (3540)	88.4 (2245)	163.8 (4160)	187.4 (4760)	6.1 (155)	6.1 (155)	6	11	5000 <sup>1</sup> (2250) <sup>1</sup>	5000 <sup>1</sup> (2250) <sup>1</sup>	6	11	5000 <sup>1</sup> (2250) <sup>1</sup>
	147 (3740)	94.7 (2405)	171.7 (4360)	195.3 (4960)	6.1 (155)	6.1 (155)	6	11	5000 <sup>1</sup> (2250) <sup>1</sup>	5000 <sup>1</sup> (2250) <sup>1</sup>	6	11	5000 <sup>1</sup> (2250) <sup>1</sup>
Full Free-Lift 2-Stage (FV)	159 (4040)	102.2 (2595)	183.5 (4660)	207.1 (5260)	6.1 (155)	6.1 (155)	6	11	5000 <sup>1</sup> (2250) <sup>1</sup>	5000 <sup>1</sup> (2250) <sup>1</sup>	6	11	5000 <sup>1</sup> (2250) <sup>1</sup>
	119.5 (3040)	78.5 (1995)	143.5 (3645)	167.7 (4260)	55.1 (1400)	30.5 (775)	6	11	5000 <sup>1</sup> (2250) <sup>1</sup>	5000 <sup>1</sup> (2250) <sup>1</sup>	6	11	5000 <sup>1</sup> (2250) <sup>1</sup>
	131.5 (3340)	84.5 (2145)	151.4 (3845)	179.5 (4560)	61 (1550)	36.4 (925)	6	11	5000 <sup>1</sup> (2250) <sup>1</sup>	5000 <sup>1</sup> (2250) <sup>1</sup>	6	11	5000 <sup>1</sup> (2250) <sup>1</sup>
Full Free-Lift 3-Stage (FSV)	139 (3540)	88.4 (2245)	163.2 (4145)	187.4 (4760)	65 (1650)	40.4 (1025)	6	11	5000 <sup>1</sup> (2250) <sup>1</sup>	5000 <sup>1</sup> (2250) <sup>1</sup>	6	11	5000 <sup>1</sup> (2250) <sup>1</sup>
	159 (4040)	74.6 (1895)	181.5 (4610)	206.7 (5250)	52.4 (1330)	26.6 (675)	6	6	5000 <sup>1</sup> (2250) <sup>1</sup>	5000 <sup>1</sup> (2250) <sup>1</sup>	6	6	5000 <sup>1</sup> (2250) <sup>1</sup>
	170.5 (4340)	78.5 (1995)	193.3 (4910)	218.5 (5550)	56.3 (1430)	30.5 (775)	6	6	5000 <sup>1</sup> (2250) <sup>1</sup>	5000 <sup>1</sup> (2250) <sup>1</sup>	6	6	5000 <sup>1</sup> (2250) <sup>1</sup>
	189 (4800)	84.5 (2145)	211.4 (5370)	236.6 (6010)	62.2 (1580)	36.4 (915)	6	6	3950 <sup>1</sup> (1800) <sup>1</sup>	4850 <sup>1</sup> (2200) <sup>1</sup>	6	6	4950 <sup>1</sup> (2250) <sup>1</sup>
	198 (5040)	88.4 (2245)	220.9 (5610)	246.1 (6250)	66.1 (1680)	40.4 (1015)	6	6	3550 <sup>1</sup> (1600) <sup>1</sup>	4500 <sup>1</sup> (2050) <sup>1</sup>	6	6	4850 <sup>1</sup> (2200) <sup>1</sup>
	218 (5540)	94.7 (2405)	240.6 (6110)	265.7 (6750)	72.4 (1840)	46.7 (1185)	6	6	2850 <sup>1</sup> (1300) <sup>1</sup>	3850 <sup>1</sup> (1750) <sup>1</sup>	6	6	4500 <sup>1</sup> (2050) <sup>1</sup>
	237.5 (6040)	102.2 (2595)	260.2 (6610)	285.4 (7250)	79.9 (2030)	54.2 (1375)	6	6	2000 <sup>1</sup> (900) <sup>1</sup>	2550 <sup>1</sup> (1150) <sup>1</sup>	6	6	3500 <sup>1</sup> (1600) <sup>1</sup>
	257.5 (6540)	112 (2845)	279.9 (7110)	305.1 (7750)	89.8 (2280)	64 (1625)	---	---	---	---	6	6	3200 <sup>1</sup> (1450) <sup>1</sup>
277 (7040)	121.9 (3095)	299.6 (7610)	324.8 (8250)	99.6 (2530)	73.9 (1875)	---	---	---	---	6	6	2500 <sup>1</sup> (1150) <sup>1</sup>	

<sup>1</sup> Calculated value; tolerance +/-5%. Will be validated by tilt table test.  
 Height of standard load backrest is 48 in. (1220 mm)  
 High lift SAS Active Mast Functions not available on 80V mast  
 Must have Dual Drive Tires (FOOC) at extra cost for 258 FSV, 277 FSV

Specifications and features are subject to change. For the latest information, please contact your local authorized Toyota Dealer.

# MAST SPECIFICATIONS

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT				FREE-LIFT		SINGLE TIRE				DUAL TIRE	
		LOWERED	EXTENDED		WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST <sup>1</sup>	TILT RANGE		LOAD CAPACITY AT 24 IN. (600 MM) LOAD CENTER		TILT RANGE		LOAD CAPACITY AT 24 IN. (600 MM) LOAD CENTER
			WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST			FWD	BWD	NARROW TREAD	WIDE TREAD	FWD	BWD	
<b>40-8FDU30</b>													
Wide Visible (V)	80.5 (2045)	59.6 (1515)	108.3 (2750)	128.5 (3265)	5.3 (135)	5.3 (135)	6	11	6000 <sup>1</sup> (2700) <sup>1</sup>	6000 <sup>1</sup> (2700) <sup>1</sup>	6	11	6000 <sup>1</sup> (2700) <sup>1</sup>
	119.5 (3045)	79.3 (2015)	147.6 (3750)	167.9 (4265)	5.3 (135)	5.3 (135)	6	11	6000 <sup>1</sup> (2700) <sup>1</sup>	6000 <sup>1</sup> (2700) <sup>1</sup>	6	11	6000 <sup>1</sup> (2700) <sup>1</sup>
	131.5 (3345)	85 (2165)	159.4 (4050)	179.7 (4565)	5.3 (135)	5.3 (135)	6	11	6000 <sup>1</sup> (2700) <sup>1</sup>	6000 <sup>1</sup> (2700) <sup>1</sup>	6	11	6000 <sup>1</sup> (2700) <sup>1</sup>
	139.5 (3545)	89.2 (2265)	167.3 (4250)	187.6 (4765)	5.3 (135)	5.3 (135)	6	11	6000 <sup>1</sup> (2700) <sup>1</sup>	6000 <sup>1</sup> (2700) <sup>1</sup>	6	11	6000 <sup>1</sup> (2700) <sup>1</sup>
	147 (3745)	95.5 (2425)	175.2 (4450)	195.5 (4965)	5.3 (135)	5.3 (135)	6	11	6000 <sup>1</sup> (2700) <sup>1</sup>	6000 <sup>1</sup> (2700) <sup>1</sup>	6	11	6000 <sup>1</sup> (2700) <sup>1</sup>
	159 (4045)	103 (2615)	187 (4750)	207.3 (5265)	5.3 (135)	5.3 (135)	6	11	6000 <sup>1</sup> (2700) <sup>1</sup>	6000 <sup>1</sup> (2700) <sup>1</sup>	6	11	6000 <sup>1</sup> (2700) <sup>1</sup>
Full Free-Lift 2-Stage (FV)	119.5 (3045)	79.3 (2015)	144.1 (3660)	167.9 (4265)	55.1 (1400)	31.3 (795)	6	11	6000 <sup>1</sup> (2700) <sup>1</sup>	6000 <sup>1</sup> (2700) <sup>1</sup>	6	11	6000 <sup>1</sup> (2700) <sup>1</sup>
	131.5 (3345)	85.0 (2165)	155.9 (3960)	179.7 (4565)	61 (1550)	37.2 (945)	6	11	6000 <sup>1</sup> (2700) <sup>1</sup>	6000 <sup>1</sup> (2700) <sup>1</sup>	6	11	6000 <sup>1</sup> (2700) <sup>1</sup>
	139.5 (3545)	89.2 (2265)	163.8 (4160)	187.6 (4765)	65 (1650)	41.2 (1045)	6	11	6000 <sup>1</sup> (2700) <sup>1</sup>	6000 <sup>1</sup> (2700) <sup>1</sup>	6	11	6000 <sup>1</sup> (2700) <sup>1</sup>
Full Free-Lift 3-Stage (FSV)	159 (4045)	79.3 (2015)	183.5 (4660)	207.3 (5265)	55.1 (1400)	31.3 (795)	6	6	6000 <sup>1</sup> (2700) <sup>1</sup>	6000 <sup>1</sup> (2700) <sup>1</sup>	6	6	6000 <sup>1</sup> (2700) <sup>1</sup>
	171 (4345)	85.2 (2165)	195.3 (4960)	219.1 (5565)	61 (1550)	37.2 (945)	6	6	6000 <sup>1</sup> (2700) <sup>1</sup>	6000 <sup>1</sup> (2700) <sup>1</sup>	6	6	6000 <sup>1</sup> (2700) <sup>1</sup>
	187 (4750)	89.2 (2265)	211.0 (5360)	235 (5970)	65 (1650)	41.2 (1045)	6	6	6000 <sup>1</sup> (2700) <sup>1</sup>	6000 <sup>1</sup> (2700) <sup>1</sup>	6	6	6000 <sup>1</sup> (2700) <sup>1</sup>
	198.5 (5045)	95.5 (2425)	222.8 (5660)	246.7 (6265)	71.3 (1810)	47.5 (1205)	6	6	5600 <sup>1</sup> (2250) <sup>1</sup>	5800 <sup>1</sup> (2650) <sup>1</sup>	6	6	6000 <sup>1</sup> (2700) <sup>1</sup>
	218 (5545)	103 (2615)	242.5 (6160)	266.3 (6765)	78.7 (2000)	55 (1395)	6	6	4200 <sup>1</sup> (1900) <sup>1</sup>	5300 <sup>1</sup> (2650) <sup>1</sup>	6	6	6000 <sup>1</sup> (2700) <sup>1</sup>
	237.5 (6045)	112.8 (2865)	262.2 (6660)	286 (7265)	88.6 (2250)	64.8 (1645)	6	6	3100 <sup>1</sup> (1400) <sup>1</sup>	3500 <sup>1</sup> (1600) <sup>1</sup>	6	6	4300 <sup>1</sup> (1950) <sup>1</sup>
	257.5 (6545)	122.6 (3115)	281.9 (7160)	305.7 (7765)	98.4 (2500)	74.6 (1895)	---	---	---	---	6	6	3500 <sup>1</sup> (1600) <sup>1</sup>
	277 (7045)	132.5 (3365)	301.6 (7660)	325.4 (8265)	108.3 (2750)	84.5 (2145)	---	---	---	---	6	6	2600 <sup>1</sup> (1200) <sup>1</sup>

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT				FREE-LIFT		SINGLE TIRE				DUAL TIRE	
		LOWERED	EXTENDED		WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST <sup>1</sup>	TILT RANGE		LOAD CAPACITY AT 24 IN. (600 MM) LOAD CENTER		TILT RANGE		LOAD CAPACITY AT 24 IN. (600 MM) LOAD CENTER
			WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST			FWD	BWD	NARROW TREAD	WIDE TREAD	FWD	BWD	
<b>40-8FDU32</b>													
Wide Visible (V)	80.5 (2045)	59.6 (1515)	108.3 (2750)	128.5 (3265)	5.3 (135)	5.3 (135)	6	11	6500 <sup>1</sup> (3000) <sup>1</sup>	6500 <sup>1</sup> (3000) <sup>1</sup>	6	11	6500 <sup>1</sup> (3000) <sup>1</sup>
	119.5 (3045)	79.3 (2015)	147.6 (3750)	167.9 (4265)	5.3 (135)	5.3 (135)	6	11	6500 <sup>1</sup> (3000) <sup>1</sup>	6500 <sup>1</sup> (3000) <sup>1</sup>	6	11	6500 <sup>1</sup> (3000) <sup>1</sup>
	131.5 (3345)	85 (2165)	159.4 (4050)	179.7 (4565)	5.3 (135)	5.3 (135)	6	11	6500 <sup>1</sup> (3000) <sup>1</sup>	6500 <sup>1</sup> (3000) <sup>1</sup>	6	11	6500 <sup>1</sup> (3000) <sup>1</sup>
	139.5 (3545)	89.2 (2265)	167.3 (4250)	187.6 (4765)	5.3 (135)	5.3 (135)	6	11	6500 <sup>1</sup> (3000) <sup>1</sup>	6500 <sup>1</sup> (3000) <sup>1</sup>	6	11	6500 <sup>1</sup> (3000) <sup>1</sup>
	147 (3745)	95.5 (2425)	175.2 (4450)	195.5 (4965)	5.3 (135)	5.3 (135)	6	11	6500 <sup>1</sup> (3000) <sup>1</sup>	6500 <sup>1</sup> (3000) <sup>1</sup>	6	11	6500 <sup>1</sup> (3000) <sup>1</sup>
	159 (4045)	103 (2615)	187 (4750)	207.3 (5265)	5.3 (135)	5.3 (135)	6	11	6500 <sup>1</sup> (3000) <sup>1</sup>	6500 <sup>1</sup> (3000) <sup>1</sup>	6	11	6500 <sup>1</sup> (3000) <sup>1</sup>
Full Free-Lift 2-Stage (FV)	119.5 (3045)	79.3 (2015)	149.2 (3790)	167.9 (4265)	50 (1270)	31.3 (795)	6	11	6500 <sup>1</sup> (3000) <sup>1</sup>	6500 <sup>1</sup> (3000) <sup>1</sup>	6	11	6500 <sup>1</sup> (3000) <sup>1</sup>
	131.5 (3345)	85.0 (2165)	161.0 (4090)	179.7 (4565)	55.9 (1420)	37.2 (945)	6	11	6500 <sup>1</sup> (3000) <sup>1</sup>	6500 <sup>1</sup> (3000) <sup>1</sup>	6	11	6500 <sup>1</sup> (3000) <sup>1</sup>
	139.5 (3545)	89.2 (2265)	168.3 (4290)	187.6 (4765)	59.8 (1520)	41.2 (1045)	6	11	6500 <sup>1</sup> (3000) <sup>1</sup>	6500 <sup>1</sup> (3000) <sup>1</sup>	6	11	6500 <sup>1</sup> (3000) <sup>1</sup>
Full Free-Lift 3-Stage (FSV)	159 (4045)	79.3 (2015)	188.6 (4790)	207.3 (5265)	50 (1270)	31.3 (795)	6	6	6500 <sup>1</sup> (3000) <sup>1</sup>	6500 <sup>1</sup> (3000) <sup>1</sup>	6	6	6500 <sup>1</sup> (3000) <sup>1</sup>
	171 (4345)	85.2 (2165)	200.4 (5090)	219.1 (5565)	55.9 (1420)	37.2 (945)	6	6	6500 <sup>1</sup> (3000) <sup>1</sup>	6500 <sup>1</sup> (3000) <sup>1</sup>	6	6	6500 <sup>1</sup> (3000) <sup>1</sup>
	187 (4750)	89.2 (2265)	216.1 (5490)	235 (5970)	59.8 (1520)	41.2 (1045)	6	6	6500 <sup>1</sup> (3000) <sup>1</sup>	6500 <sup>1</sup> (3000) <sup>1</sup>	6	6	6500 <sup>1</sup> (3000) <sup>1</sup>
	198.5 (5045)	95.5 (2425)	228.0 (5790)	246.7 (6265)	66.1 (1680)	47.5 (1205)	6	6	5750 <sup>1</sup> (2600) <sup>1</sup>	6400 <sup>1</sup> (2900) <sup>1</sup>	6	6	6500 <sup>1</sup> (3000) <sup>1</sup>
	218 (5545)	103 (2615)	247.6 (6290)	266.3 (6765)	73.6 (1870)	55 (1395)	6	6	4200 <sup>1</sup> (1900) <sup>1</sup>	5500 <sup>1</sup> (2500) <sup>1</sup>	6	6	5800 <sup>1</sup> (2650) <sup>1</sup>
	237.5 (6045)	112.8 (2865)	267.3 (6790)	286 (7265)	83.5 (2120)	64.8 (1645)	6	6	3300 <sup>1</sup> (1500) <sup>1</sup>	4000 <sup>1</sup> (1800) <sup>1</sup>	6	6	4500 <sup>1</sup> (2050) <sup>1</sup>
	257.5 (6545)	122.6 (3115)	287.0 (7290)	305.7 (7765)	93.3 (2370)	74.6 (1895)	---	---	---	---	6	6	3500 <sup>1</sup> (1600) <sup>1</sup>
	277 (7045)	132.5 (3365)	306.7 (7790)	325.4 (8265)	103.1 (2620)	84.5 (2145)	---	---	---	---	6	6	2300 <sup>1</sup> (1050) <sup>1</sup>

<sup>1</sup> Calculated value; tolerance +/-5%. Will be validated by tilt table test.  
 Height of standard load backrest is 48 in. (1220 mm)  
 High lift SAS Active Mast Functions not available on 80V mast  
 Must have Dual Drive Tires (FOOC) at extra cost for 258 FSV, 277 FSV

Specifications and features are subject to change. For the latest information, please contact your local authorized Toyota Dealer.





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