

8FB/8FBH/8FBJ MODELS

48V & 80V ELECTRIC PNEUMATIC



3000 - 7000 LBS.

SPECIFICATIONS



8FBH15-25 | 8FB30 | 8FBJ35

CLASS

1

ELECTRIC MOTOR RIDERS

ToyotaForklift.com

48V & 80V ELECTRIC PNEUMATIC (8FB/8FBH/8FBJ MODELS)

CAPACITY
3000 - 7000 LBS.

LOAD CENTER
24 IN.

WHEELBASE
55.5-71 IN.

INDUSTRIES



Lumber



Brick, Block
& Pipe



Concrete



Distribution



Retail

STANDARD FEATURES

SUPPORT

- System of Active Stability™ (SAS)
 - Active control rear stabilizer
 - Active mast function controller
- Operator presence sensing system (OPSS)
- Double-action parking brake
- Emergency power off
- Orange seatbelt

PERFORMANCE

- 48-volt electrical system (8FBH15-25)
- 80-volt electrical system (8FB30/8FBJ35)
- AC controller
- AC drive & lift motors
- 3-way hydraulic control valve
- Load sensing power steering (LSPS)
- Regenerative braking
- LCD digital multifunction display
 - Speedometer
 - Clock
 - Multifunction hour meter
 - Battery capacity indicator (w/lift interrupt)
 - Parking brake indicator
- Power select functions (S.P.H.)
- Overheat warning indicator
- Self-diagnostics
- Built-in analyzer

BODY/EXTERIOR DESIGN

- Wide view 2-stage mast (V)
- ITA class II hook-type carriage²
- ITA class III hook-type carriage¹
- 48" Load backrest
- Overhead guard
- Seat-side storage area
- Drawbar pin
- Polycarbonate overhead guard caps
- Adjustable front headlights
- Tapered forks

OPERABILITY & ERGONOMICS

- Fully adjustable ORS vinyl suspension seat
- Heavy-duty non-slip floor mat
- Memory tilt steering column
- Left hand assist grip
- Wide floorboard with low step in height

SERVICEABILITY

- Maintenance-free AC motors
- Battery compartment hood assist dampener
- Easy access no-tools floorboard

¹ Available only on the 8FBH15-25 models.

² Available only on the 8FB30/8FBJ35 models.

OPTIONAL EQUIPMENT

LOAD HANDLING

- Full-free lift two-stage mast (FV)
- Full-free lift three-stage mast (FSV)
- Fully oil-charged lift cylinder
- Wide carriage options
- High load backrests
- Without load backrest
- Without forks
- Tilt cylinder boots
- Hydraulic accumulator

LOAD HANDLING (HOSE & VALVE ASSEMBLY)

- 3-way valve (with 3rd function hosing)
- 4-way valve (with 3rd & 4th function hosing)
- Integral sideshifter
- Clamp release interlock - 3rd lever
- Clamp release interlock - 4th lever
- Clamp release interlock - 3rd/4th lever

LIGHTS, INDICATORS, & MISC

- LED front combination lights with headlights & guard
- LED rear combination lights
- LED rear working light, ON/OFF switch type
- LED rear working light (user selectable operation)
- LED blue light (user selectable operation)
- LED Strobe Light
- Forward & reverse chime (travel chime)
- Back-up chime
- Back-up buzzer
- Smart alarm (adjustable volume back up buzzer)
- Seat belt interlock
- 12-volt power supply
- Steering wheel with knob

BODY & CHASSIS

- Canvas cab with wiper
- Front windshield with wiper & washer
- Slope sensing auto-power mode selector
- Rear view mirrors (left & right sides)
- Rear pillar assist grip w/horn
- Pencil and tape holder
- Dual brake pedals
- Power steering cylinder boots

WHEELS & TIRES

- Front pneumatic tires, j-lug, side ring
- Front pneumatic wide tires j-lug w/side ring
- Front solid pneumatic tires, j-lug, side ring
- Front non-marking, solid pneumatic tires
- Front tire - special dual, side ring
- Front tire - dual, side ring
- Rear pneumatic tires, j-lug, side ring
- Rear solid pneumatic tires w/side ring
- Rear non-marking, solid pneumatic tires
- Rear side ring wheels

SPECIAL MODEL

- Wet environment package

TRUCK SPECIFICATIONS

TRUCK SPECIFICATIONS				MODEL NUMBERS		
GENERAL DATA				8FBH15	8FBH18	8FBH20
Load Capacity		lb (kg)		3000 (1350)	3500 (1570)	4000 (1800)
Load Center		in (mm)		24 (600)	24 (600)	24 (600)
Power Type				Battery	Battery	Battery
		Voltage	V	48	48	48
Operator Position				Rider Seated	Rider Seated	Rider Seated
Tire Type		Front / Rear		Solid Pneumatic	Solid Pneumatic	Solid Pneumatic
Wheels (x = driven)		Front / Rear		2x/2	2x/2	2x/2
EXTERIOR DIMENSIONS				8FBH15	8FBH18	8FBH20
A Maximum Fork Height (MFH, V mast, top of forks)		in (mm)		118 (3000)	118 (3000)	118 (3000)
B Free-Lift (top of forks)		in (mm)		5.7 (145)	5.7 (145)	4.9 (125)
C Fork Size (T x W x L)		in (mm)		1.4 x 4 x 42 (35 x 100 x 1070)	1.4 x 4 x 42 (35 x 100 x 1070)	1.4 x 4.7 x 42 (36 x 120 x 1070)
D Fork Spread (Outside)	Min./Max.	in (mm)		36 (920) / 8 (200)	36 (920) / 8 (200)	40.2 (1020) / 9.5 (240)
E Tilt Range (forward / backward)		deg		7 / 11	7 / 11	7 / 11
F Length to Fork Face		in (mm)		81.9 (2080)	83.3 (2115)	88.2 (2240)
G Overall Width		in (mm)		43.9 (1115)	43.9 (1115)	45.7 (1160)
H Mast Lowered Height		in (mm)		77.6 (1970)	77.6 (1970)	77.8 (1975)
I Mast Extended Height (top of load backrest)		in (mm)		166.1 (4220)	166.1 (4220)	166.1 (4220)
J Overhead Guard Height		in (mm)		82.9 (2105)	82.9 (2105)	82.9 (2105)
K Turning Radius (outside)		in (mm)		69.7 (1770)	70.1 (1780)	78 (1980)
L Load Distance		in (mm)		15.9 (405)	15.9 (405)	16.5 (420)
Basic Right-Angle Stacking Aisle Width		in (mm)		85.6 (2175)	86 (2185)	94.5 (2400)
PERFORMANCE DATA				8FBH15	8FBH18	8FBH20
Speeds	Maximum Travel (forward / rev.)	Full Load	mph (km/h)	9.0 (14.5) / 9.0 (14.5)	9.0 (14.5) / 9.0 (14.5)	9.0 (14.5) / 9.0 (14.5)
		No Load	mph (km/h)	10.6 (17) / 10.6 (17)	10.6 (17) / 10.6 (17)	10.3 (16.5) / 10.3 (16.5)
	Lifting	Full Load	fpm (mm/sec)	83 (420)	73 (370)	71 (360)
		No Load	fpm (mm/sec)	128 (650)	128 (650)	118 (600)
	Lowering	Full Load	fpm (mm/sec)	98 (500)	98 (500)	98 (500)
		No Load	fpm (mm/sec)	108 (550)	108 (550)	98 (500)
Drawbar Pull	Full Load / No Load	3-Minute Ratings	lbf (N)	2050 (930) / 1920 (870)	2050 (930) / 1920 (870)	2510 (1140) / 2380 (1080)
	Full Load / No Load	5-Minute Ratings		2050 (930) / 1920 (870)	2050 (930) / 1920 (870)	2510 (1140) / 2380 (1080)
	Full Load / No Load	60-Minute Ratings	lbf (N)	615 (280) / 615 (280)	620 (280) / 660 (300)	1060 (480) / 1100 (500)
Gradeability*	Full Load / No Load	3-Minute Ratings	lbf (N)	19/25	17/23	20/23
	Full Load / No Load	5-Minute Ratings		19/25	17/23	20/23
	Full Load / No Load	60-Minute Ratings	%	12/19	11/18	15/22
TRUCK WEIGHTS				8FBH15	8FBH18	8FBH20
Total Weight Without Battery		lb (kg)		4750 (2155)	5190 (2355)	5730 (2600)
Weight Distribution (with standard battery)	Full Load	Front	lb (kg)	8640 (3920)	9550 (4330)	11000 (4990)
		Rear	lb (kg)	1280 (580)	1370 (620)	1700 (770)
	No Load	Front	lb (kg)	3220 (1460)	3220 (1460)	3880 (1760)
		Rear	lb (kg)	3400 (1540)	3840 (1740)	4410 (2000)
TIRES				8FBH15	8FBH18	8FBH20
Tires	Number (front / rear)			2/2	2/2	2/2
	Size	Front		6.00-9-10PR	21x8-9-10PR (I)	21x8-9-14PR
		Rear		5.00-8-8PR	5.00-8-10PR (I)	18x7-8-14PR
Wheelbase		in (mm)		55.5 (1410)	55.5 (1410)	59.1 (1500)
Tread	Front	in (mm)		37.8 (960)	36 (920)	38.2 (970)
	Rear	in (mm)		35.2 (895)	35.2 (895)	37 (940)
Drawbar Pin Center Height		in (mm)		16.9 (430)	16.9 (430)	16.7 (425)
Step Height / Floor Height		in (mm)		16.9 (430) / 27.4 (695)	16.9 (430) / 27.4 (695)	17.1 (435) / 27.6 (700)
Underclearance (full load)	Minimum (mast)		in (mm)	2.6 (65)	2.6 (65)	2.8 (70)
	Center of Wheelbase		in (mm)	3.3 (85)	3.3 (85)	3.5 (90)
Brake	Service (foot)			Hydraulic	Hydraulic	Hydraulic
	Parking			Hand	Hand	Hand
POWER SYSTEM				8FBH15	8FBH18	8FBH20
Battery (6-hour ratings)		Voltage / Capacity	V/Ah	48 / 545	48 / 545	48 / 730
		Weight Minimum	lb (kg)	1860 (845)	1860 (845)	2560 (1160)
Electric Motors		Drive	hp (kW)	10.2 (7.6)	10.2 (7.6)	14.3 (10.7)
		Load Handling	hp (kW)	12.7 (9.5)	12.7 (9.5)	16.4 (12.2)
Control Type		Drive & Load Handling		Transistor Invertor	Transistor Invertor	Transistor Invertor
Auxiliary Hydraulic Function Specifications (for attachments)*		Max. Operating Pressure	psi (bar)	1700 (120)	1700 (120)	2100 (148)

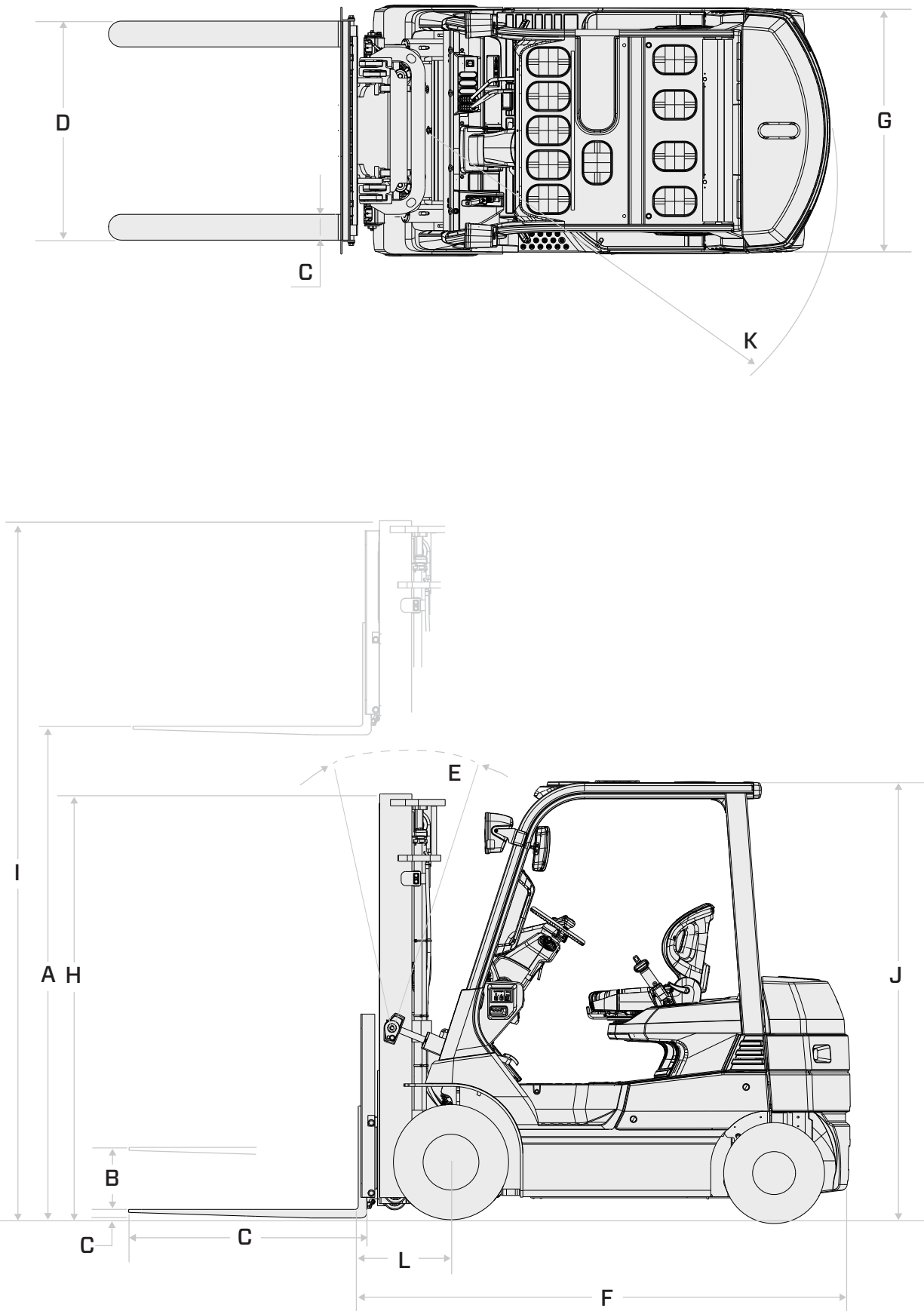
* Computed values

MODEL NUMBERS

GENERAL DATA				8FBH25	8FB30	8FBJ35
Load Capacity			lb (kg)	5000 (2250)	6000 (2720)	7000 (3180)
Load Center			in (mm)	24 (600)	24 (600)	24 (600)
Power Type				Battery	Battery	Battery
		Voltage	V	48	80	80
Operator Position				Rider Seated	Rider Seated	Rider Seated
Tire Type		Front / Rear		Solid Pneumatic	Solid Pneumatic	Solid Pneumatic
Wheels (x = driven)		Front / Rear		2x/2	2x/2	2x/2
EXTERIOR DIMENSIONS				8FBH25	8FB30	8FBJ35
A Maximum Fork Height (MFH, V mast, top of forks)			in (mm)	118 (3000)	118 (3000)	118 (3000)
B Free-Lift (top of forks)			in (mm)	5.1 (130)	5.3 (135)	5.5 (140)
C Fork Size (T x W x L)			in (mm)	1.6 x 4.7 x 42 (40 x 120 x 1070)	1.75 x 4.7 x 42 (44 x 120 x 1070)	2 x 5.5 x 42 (50 x 140 x 1070)
D Fork Spread (Outside)		Min./Max.	in (mm)	40.2 (1020) / 9.5 (240)	42 (1070) / 9.5 (240)	42 (1070) / 9.5 (240)
E Tilt Range (forward / backward)			deg	7/11	6/11	6/11
F Length to Fork Face			in (mm)	90.2 (2290)	98 (2490)	101.4 (2575)
G Overall Width			in (mm)	45.7 (1160)	48.8 (1240)	48.8 (1240)
H Mast Lowered Height			in (mm)	77.8 (1975)	79.5 (2020)	83.1 (2110)
I Mast Extended Height (top of load backrest)			in (mm)	166.1 (4220)	166.1 (4220)	166.1 (4220)
J Overhead Guard Height			in (mm)	82.9 (2105)	86.4 (2195)	86.4 (2195)
K Turning Radius (outside)			in (mm)	78.7 (2000)	87 (2210)	89.4 (2270)
L Load Distance			in (mm)	17.1 (435)	19.1 (485)	19.7 (500)
Basic Right-Angle Stacking Aisle Width			in (mm)	85.6 (2175)	86 (2185)	94.5 (2400)
PERFORMANCE DATA				8FBH25	8FB30	8FBJ35
Speeds	Maximum Travel (forward / rev.)	Full Load	mph (km/h)	2470 (1120) / 2580 (1170)	2930 (1330) / 2820 (1280)	2890 (1310) / 2820 (1280)
		No Load	mph (km/h)	2470 (1120) / 2580 (1170)	2930 (1330) / 2820 (1280)	2890 (1310) / 2820 (1280)
	Lifting	Full Load	fpm (mm/sec)	1010 (460) / 1080 (490)	1190 (540) / 1260 (570)	1150 (520) / 1230 (560)
		No Load	fpm (mm/sec)	17/21	17/22	14/20
	Lowering	Full Load	fpm (mm/sec)	17/21	17/22	14/20
		No Load	fpm (mm/sec)	12/20	11/19	9/17
Drawbar Pull	Full Load / No Load	3-Minute Ratings	lbf (N)	2050 (930) / 1920 (870)	2050 (930) / 1920 (870)	2510 (1140) / 2380 (1080)
	Full Load / No Load	5-Minute Ratings		2050 (930) / 1920 (870)	2050 (930) / 1920 (870)	2510 (1140) / 2380 (1080)
	Full Load / No Load	60-Minute Ratings	lbf (N)	615 (280) / 615 (280)	620 (280) / 660 (300)	1060 (480) / 1100 (500)
Gradeability*	Full Load / No Load	3-Minute Ratings	lbf (N)	19/25	17/23	20/23
	Full Load / No Load	5-Minute Ratings		19/25	17/23	20/23
	Full Load / No Load	60-Minute Ratings	%	12/19	11/18	15/22
TRUCK WEIGHTS				8FBH25	8FB30	8FBJ35
Total Weight Without Battery			lb (kg)	6550 (2970)	8135 (3690)	9460 (4290)
Weight Distribution (with standard battery)	Full Load	Front	lb (kg)	12810 (5810)	15170 (6880)	17280 (7840)
		Rear	lb (kg)	1810 (820)	1830 (830)	2140 (970)
	No Load	Front	lb (kg)	3860 (1750)	4610 (2090)	4890 (2220)
		Rear	lb (kg)	5250 (2380)	5780 (2620)	6810 (3090)
TIRES				8FBH25	8FB30	8FBJ35
Tires	Number (front / rear)			2/2	2/2	2/2
	Size	Front		21x8-9-14PR	28x9-15-14PR	28x9-15-14PR
		Rear		18x7-8-14PR	6.50-10-10PR	6.50-10-14PR
Wheelbase			in (mm)	59.1 (1500)	65 (1650)	71 (1805)
Tread	Front	in (mm)	38.2 (970)	39.8 (1010)	39.8 (1010)	
	Rear	in (mm)	37 (940)	38 (965)	38 (965)	
Drawbar Pin Center Height			in (mm)	11 (280)	13.4 (340)	13.4 (340)
Step Height / Floor Height			in (mm)	17.1 (435) / 27.6 (700)	20.3/31 (515/785)	20.3/31 (515/785)
Underclearance (full load)	Minimum (mast)		in (mm)	2.6 (65)	4.5 (115)	4.5 (115)
	Center of Wheelbase		in (mm)	3.3 (85)	5.5 (140)	5.5 (140)
Brake	Service (foot)			Hydraulic	Hydraulic	Hydraulic
	Parking			Hand	Hand	Hand
POWER SYSTEM				8FBH25	8FB30	8FBJ35
Battery (6-hour ratings)		Voltage / Capacity	V/Ah	48 / 730	80 / 370	80/ 565
		Weight Minimum	lb (kg)	2560 (1160)	2250 (1020)	3230 (1465)
Electric Motors		Drive	hp (kW)	14.3 (10.7)	16 (11.9)	16 (11.9)
		Load Handling	hp (kW)	16.4 (12.2)	19.3 (14.4)	19.3 (14.4)
Control Type		Drive & Load Handling		Transistor Invertor	Transistor Invertor	Transistor Invertor
Auxiliary Hydraulic Function Specifications (for attachments)*		Max. Operating Pressure	psi (bar)	2100 (148)	2300 (162)	2300 (162)

* Computed values

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 BACKREST¹	TILT RANGE		LOAD CAPACITY AT	TILT RANGE		LOAD CAPACITY AT
			WITHOUT LOAD BACK- REST	WITH STAND- DARD LOAD BACK- REST¹			FWD	BWD		FWD	BWD	
	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)	deg	deg	lb (kg)
8FBH15												
Wide Visible (V)	99.5 (2535)	67.7 (1720)	122.2 (3105)	146.5 (3720)	5.7 (145)	5.7 (145)	7	11	3000 (1350)	7	11	—*
	107.5 (2735)	71.7 (1820)	130.1 (3305)	154.3 (3920)	5.7 (145)	5.7 (145)	7	11	3000 (1350)	7	11	—*
	119 (3035)	77.6 (1970)	141.9 (3605)	166.1 (4220)	5.7 (145)	5.7 (145)	7	11	3000 (1350)	7	11	—*
	131 (3335)	83.5 (2120)	153.7 (3905)	178 (4520)	5.7 (145)	5.7 (145)	7	11	3000 (1350)	7	11	—*
	139 (3535)	87.4 (2220)	161.6 (4105)	185.8 (4720)	5.7 (145)	5.7 (145)	7	11	3000 (1350)	7	11	—*
	147 (3735)	93.7 (2380)	169.5 (4305)	193.7 (4920)	5.7 (145)	5.7 (145)	7	11	3000 (1350)	7	11	—*
	158.5 (4035)	101.2 (2570)	181.3 (4605)	205.5 (5220)	5.7 (145)	5.7 (145)	7	11	3000 (1350)	7	11	—*
	178.5 (4535)	111 (2820)	201 (5105)	225.2 (5720)	5.7 (145)	5.7 (145)	7	5	2870 (1300)	7	5	—*
Full Free-Lift 2-Stage (FV)	198 (5035)	120.9 (3070)	220.7 (5605)	244.9 (6220)	5.7 (145)	5.7 (145)	7	5	2670 (1210)	7	5	3090 (1400)
	119 (3035)	77.6 (1970)	140.4 (3565)	166.1 (4220)	55.3 (1405)²	29.5 (750)	7	11	3000 (1350)	7	11	—*
	131 (3335)	83.5 (2120)	152.2 (3865)	178 (4520)	61.2 (1555)²	35.4 (900)	7	11	3000 (1350)	7	11	—*
	139 (3535)	87.4 (2220)	160 (4065)	185.8 (4720)	65.2 (1655)²	39.4 (1000)	7	11	3000 (1350)	7	11	—*
	147 (3735)	93.7 (2380)	167.9 (4265)	193.7 (4920)	71.5 (1815)²	45.7 (1160)	7	11	3000 (1350)	7	11	—*
	158.5 (4035)	101.2 (2570)	179.7 (4565)	205.5 (5220)	78.9 (2005)²	53.1 (1350)	7	11	3000 (1350)	7	11	—*
Full Free-Lift 3-Stage (FSV)	147 (3735)	69.7 (1770)	166.9 (4240)	193.7 (4920)	48.6 (1235)²	21.7 (550)²	7	5	2780 (1260)	7	5	—*
	158.5 (4035)	73.6 (1870)	178.7 (4540)	205.5 (5220)	52.6 (1335)²	25.6 (650)²	7	5	2780 (1260)	7	5	—*
	170.5 (4335)	77.6 (1970)	190.6 (4840)	217.3 (5520)	56.5 (1435)²	29.5 (750)²	7	5	2780 (1260)	7	5	—*
	178.5 (4535)	80.3 (2040)	198.4 (5040)	225.2 (5720)	59.3 (1505)²	32.3 (820)²	7	5	2670 (1220)	7	5	—*
	186 (4735)	83.5 (2120)	206.3 (5240)	233.1 (5920)	62.4 (1585)²	35.4 (900)²	7	5	2670 (1220)	7	5	—*
	198 (5035)	87.4 (2220)	218.1 (5540)	244.9 (6220)	66.3 (1685)²	39.4 (1000)²	7	5	2380 (1080)	7	5	2580 (1170)
	217.5 (5535)	93.7 (2380)	237.8 (6040)	264.6 (6720)	72.6 (1845)²	45.7 (1160)²	7	5	2180 (990)	7	5	2470 (1120)
	237.5 (6035)	101.2 (2570)	257.5 (6540)	284.3 (7220)	80.1 (2035)²	53.1 (1350)²	7	5	1790 (810)	7	5	2180 (990)

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT			FREE-LIFT		SINGLE TIRE			DUAL TIRE				
		LOWERED	EXTENDED		WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST¹	TILT RANGE		LOAD CAPACITY AT	TILT RANGE		LOAD CAPACITY AT		
			WITHOUT LOAD BACK- REST	WITH STAND- DARD LOAD BACK- REST¹			FWD	BWD		24 IN. (600 MM) LOAD CENTER²	FWD		BWD	24 IN. (600 MM) LOAD CENTER²
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)	deg	deg	lb (kg)			
8FBH18														
Wide Visible (V)	99.5 (2535)	67.7 (1720)	122.2 (3105)	146.5 (3720)	5.7 (145)	5.7 (145)	7	11	3500 (1570)	7	11	—*		
	107.5 (2735)	71.7 (1820)	130.1 (3305)	154.3 (3920)	5.7 (145)	5.7 (145)	7	11	3500 (1570)	7	11	—*		
	119 (3035)	77.6 (1970)	141.9 (3605)	166.1 (4220)	5.7 (145)	5.7 (145)	7	11	3500 (1570)	7	11	—*		
	131 (3335)	83.5 (2120)	153.7 (3905)	178 (4520)	5.7 (145)	5.7 (145)	7	11	3500 (1570)	7	11	—*		
	139 (3535)	87.4 (2220)	161.6 (4105)	185.8 (4720)	5.7 (145)	5.7 (145)	7	11	3500 (1570)	7	11	—*		
	147 (3735)	93.7 (2380)	169.5 (4305)	193.7 (4920)	5.7 (145)	5.7 (145)	7	11	3500 (1570)	7	11	—*		
	158.5 (4035)	101.2 (2570)	181.3 (4605)	205.5 (5220)	5.7 (145)	5.7 (145)	7	5	3500 (1570)	7	11	—*		
	178.5 (4535)	111 (2820)	201 (5105)	225.2 (5720)	5.7 (145)	5.7 (145)	7	5	3060 (1390)	7	5	3260 (1480)		
Full Free-Lift 2-Stage (FV)	198 (5035)	120.9 (3070)	220.7 (5605)	244.9 (6220)	5.7 (145)	5.7 (145)	7	5	2380 (1080)	7	5	3060 (1390)		
	119 (3035)	77.6 (1970)	140.4 (3565)	166.1 (4220)	55.3 (1405)²	29.5 (750)²	7	11	3500 (1570)	7	11	3500 (1570)		
	131 (3335)	83.5 (2120)	152.2 (3865)	178 (4520)	61.2 (1555)²	35.4 (900)²	7	11	3500 (1570)	7	11	3500 (1570)		
	139 (3535)	87.4 (2220)	160 (4065)	185.8 (4720)	65.2 (1655)²	39.4 (1000)²	7	11	3500 (1570)	7	11	3500 (1570)		
	147 (3735)	93.7 (2380)	167.9 (4265)	193.7 (4920)	71.5 (1815)²	45.7 (1160)²	7	11	3500 (1570)	7	11	3500 (1570)		
	158.5 (4035)	101.2 (2570)	179.7 (4565)	205.5 (5220)	78.9 (2005)²	53.1 (1350)²	7	5	3500 (1570)	7	11	3500 (1570)		
Full Free-Lift 3-Stage (FSV)	147 (3735)	69.7 (1770)	166.9 (4240)	193.7 (4920)	48.6 (1235)²	21.7 (550)²	7	5	3175 (1440)	7	5	—*		
	158.5 (4035)	73.6 (1870)	178.7 (4540)	205.5 (5220)	52.6 (1335)²	25.6 (650)²	7	5	3175 (1440)	7	5	—*		
	170.5 (4335)	77.6 (1970)	190.6 (4840)	217.3 (5520)	56.5 (1435)²	29.5 (750)²	7	5	3060 (1390)	7	5	—*		
	178.5 (4535)	80.3 (2040)	198.4 (5040)	225.2 (5720)	59.3 (1505)²	32.3 (820)²	7	5	2980 (1350)	7	5	—*		
	186 (4735)	83.5 (2120)	206.3 (5240)	233.1 (5920)	62.4 (1585)²	35.4 (900)²	7	5	2980 (1350)	7	5	—*		
	198 (5035)	87.4 (2220)	218.1 (5540)	244.9 (6220)	66.3 (1685)²	39.4 (1000)²	7	5	2470 (1120)	7	5	2865 (1300)		
	217.5 (5535)	93.7 (2380)	237.8 (6040)	264.6 (6720)	72.6 (1845)²	45.7 (1160)²	7	5	1785 (810)	7	5	2780 (1260)		
	237.5 (6035)	101.2 (2570)	257.5 (6540)	284.3 (7220)	80.1 (2035)²	53.1 (1350)²	7	5	1480 (670) [1]	7	5	2270 (1030)		

* Capacity available by special request

1 Height of standard load backrest is 48" (1220 mm)

2 All capacities of 1,500 lbs or less are subject to a secondary review and could be denied by Toyota

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT			FREE-LIFT		SINGLE TIRE			DUAL TIRE		
		LOWERED	EXTENDED		WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST¹	TILT RANGE		LOAD CAPACITY AT 24 IN. (600 MM) LOAD CENTER²	TILT RANGE		LOAD CAPACITY AT 24 IN. (600 MM) LOAD CENTER
			WITHOUT LOAD BACK- REST	WITH STAND- DARD LOAD BACK- REST¹			FWD	BWD		FWD	BWD	
in (mm)												
deg												
lb (kg)												
deg												
lb (kg)												
8FBH20												
Wide Visible (V)	99.5 (2538)	67.9 (1725)	124.8 (3170)	148 (3720)	4.9 (125)	4.9 (125)	7	11	4000 (1800)	7	11	—*
	107.5 (2738)	71.9 (1825)	132.7 (3370)	155.8 (3920)	4.9 (125)	4.9 (125)	7	11	4000 (1800)	7	11	—*
	119.5 (3038)	77.8 (1975)	144.5 (3670)	167.6 (4220)	4.9 (125)	4.9 (125)	7	11	4000 (1800)	7	11	—*
	131 (3338)	83.7 (2125)	156.3 (3970)	179.4 (4520)	4.9 (125)	4.9 (125)	7	11	4000 (1800)	7	11	—*
	139 (3538)	87.6 (2225)	164.2 (4170)	187.3 (4720)	4.9 (125)	4.9 (125)	7	11	4000 (1800)	7	11	—*
	147 (3738)	93.9 (2385)	168.1 (4370)	195.2 (4920)	4.9 (125)	4.9 (125)	7	11	4000 (1800)	7	11	—*
	158.5 (4038)	101.4 (2575)	183.9 (4670)	207 (5220)	4.9 (125)	4.9 (125)	7	11	4000 (1800)	7	11	—*
	178.5 (4538)	111.2 (2825)	203.5 (5170)	226.7 (5720)	4.9 (125)	4.9 (125)	7	5	3770 (1710)	7	5	—*
Full Free-Lift 2-Stage (FV)	198 (5038)	121.1 (3075)	223.2 (5670)	246.4 (6220)	4.9 (125)	4.9 (125)	7	5	3300 (1480)	7	5	3570 (1620)
	119.5 (3038)	77.8 (1975)	141.9 (3605)	167.6 (4220)	53.9 (1370)	29.7 (755)	7	5	4000 (1800)	7	5	—*
	131 (3338)	83.7 (2125)	153.7 (3905)	179.4 (4520)	59.8 (1520)	35.6 (905)	7	5	4000 (1800)	7	5	—*
	139 (3538)	87.6 (2225)	161.6 (4105)	187.3 (4720)	63.8 (1620)	39.6 (1005)	7	5	4000 (1800)	7	5	—*
	147 (3738)	93.9 (2385)	169.5 (4305)	195.2 (4920)	70.1 (1780)	45.9 (1165)	7	5	4000 (1800)	7	5	—*
Full Free-Lift 3-Stage (FSV)	158.5 (4038)	101.4 (2575)	181.3 (4605)	207 (5220)	77.6 (1970)	52.6 (1355)	7	5	4000 (1800)	7	5	—*
	147 (3738)	69.9 (1775)	171.1 (4345)	195.2 (4920)	44.9 (1130)	21.9 (555)	7	5	3770 (1710)	7	5	—*
	158.5 (4038)	73.8 (1875)	182.9 (4645)	207 (5220)	48.4 (1230)	25.8 (655)	7	5	3770 (1710)	7	5	—*
	170.5 (4338)	77.8 (1975)	194.7 (4945)	218.8 (5520)	52.4 (1330)	29.7 (755)	7	5	3680 (1670)	7	5	—*
	178.5 (4538)	80.5 (2045)	202.6 (5145)	226.7 (5720)	55.1 (1400)	32.5 (825)	7	5	3570 (1620)	7	5	—*
	186.5 (4738)	83.7 (2125)	210.4 (5345)	234.6 (5920)	58.3 (1480)	35.6 (905)	7	5	3570 (1620)	7	5	—*
	198 (5038)	87.6 (2225)	222.2 (5645)	246.4 (6220)	62.2 (1580)	39.6 (1005)	7	5	3090 (1400)	7	5	3480 (1580)
	218 (5538)	93.9 (2385)	241.9 (6145)	266.1 (6720)	68.5 (1740)	45.9 (1165)	7	5	2380 (1080)	7	5	3370 (1530)
	237.5 (6038)	101.4 (2575)	261.6 (6645)	285.7 (7220)	76 (1930)	53.3 (1355)	7	5	1785 (810)	7	5	2980 (1350)

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT			FREE-LIFT		SINGLE TIRE			DUAL TIRE		
		LOWERED	EXTENDED		WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST¹	TILT RANGE		LOAD CAPACITY AT 24 IN. (600 MM) LOAD CENTER²	TILT RANGE		LOAD CAPACITY AT 24 IN. (600 MM) LOAD CENTER²
			WITHOUT LOAD BACK- REST	WITH STAND- DARD LOAD BACK- REST¹			FWD	BWD		FWD	BWD	
8FBH25												
Wide Visible (V)	100 (2542)	67.9 (1725)	124.6 (3165)	148 (3720)	5.1 (130)	5.1 (130)	7	11	5000 (2250)	7	11	—*
	107.5 (2742)	71.9 (1825)	132.5 (3365)	155.8 (3920)	5.1 (130)	5.1 (130)	7	11	5000 (2250)	7	11	—*
	119.5 (3042)	77.8 (1975)	144.3 (3665)	167.6 (4220)	5.1 (130)	5.1 (130)	7	11	5000 (2250)	7	11	—*
	131.5 (3342)	83.7 (2125)	156.1 (3965)	179.4 (4520)	5.1 (130)	5.1 (130)	7	11	5000 (2250)	7	11	—*
	139 (3542)	87.6 (2225)	164 (4165)	187.3 (4720)	5.1 (130)	5.1 (130)	7	11	5000 (2250)	7	11	—*
	147 (3742)	93.9 (2385)	171.9 (4365)	195.2 (4920)	5.1 (130)	5.1 (130)	7	11	5000 (2250)	7	11	—*
	159 (4042)	101.4 (2575)	183.7 (4665)	207 (5220)	5.1 (130)	5.1 (130)	7	5	5000 (2250)	7	11	—*
	178.5 (4542)	111.2 (2825)	203.3 (5165)	226.7 (5720)	5.1 (130)	5.1 (130)	7	5	4560 (2070)	7	5	4870 (2210)
Full Free-Lift 2-Stage (FV)	198.5 (5042)	121.1 (3075)	223 (5665)	246.4 (6220)	5.1 (130)	5.1 (130)	7	5	3570 (1620)	7	5	4670 (2120)
	119.5 (3042)	77.8 (1975)	141.7 (3600)	167.6 (4220)	54.1 (1375)²	29.7 (755)²	7	11	5000 (2250)	7	11	—*
	131.5 (3342)	83.7 (2125)	153.5 (3900)	179.4 (4520)	60 (1525)²	35.6 (905)²	7	11	5000 (2250)	7	11	—*
	139 (3542)	87.6 (2225)	161.4 (4100)	187.3 (4720)	64 (1625)²	39.6 (1005)²	7	11	5000 (2250)	7	11	—*
	147 (3742)	93.9 (2385)	169.3 (4300)	195.2 (4920)	70.3 (1785)²	45.9 (1165)²	7	11	5000 (2250)	7	11	—*
Full Free-Lift 3-Stage (FSV)	159 (4042)	101.4 (2575)	181.1 (4600)	207 (5220)	77.8 (1975)²	52.6 (1355)²	7	5	5000 (2250)	7	11	—*
	147 (3742)	69.9 (1775)	170.9 (4340)	195.2 (4920)	44.7 (1135)²	21.9 (555)²	7	5	4780 (2170)	7	5	—*
	159 (4042)	73.8 (1875)	182.7 (4640)	207 (5220)	48.6 (1235)²	25.8 (655)²	7	5	4780 (2170)	7	5	—*
	170.5 (4342)	77.8 (1975)	194.5 (4940)	218.8 (5520)	52.6 (1335)²	29.7 (755)²	7	5	4590 (2080)	7	5	4780 (2170)
	178.5 (4542)	80.5 (2045)	202.4 (5140)	226.7 (5720)	55.3 (1405)²	32.5 (825)²	7	5	4080 (1850)	7	5	4590 (2080)
	186.5 (4742)	83.7 (2125)	210.2 (5340)	234.6 (5920)	58.5 (1485)²	35.6 (905)²	7	5	4080 (1850)	7	5	4590 (2080)
	198.5 (5042)	87.6 (2225)	222 (5640)	246.4 (6220)	62.4 (1585)²	39.6 (1005)²	7	5	3280 (1490)	7	5	4390 (1990)
	218 (5542)	93.9 (2385)	241.7 (6140)	266.1 (6720)	68.7 (1745)²	45.9 (1165)²	7	5	2490 (1130)	7	5	3990 (1810)
	237.5 (6042)	101.4 (2575)	261.4 (6640)	285.7 (7220)	76.2 (1935)²	53.3 (1355)²	7	5	1900 (900)	7	5	3090 (1400)

* Capacity available by special request

¹ Height of standard load backrest is 48" (1220 mm)

² All capacities of 1,500 lbs or less are subject to a secondary review and could be denied by Toyota

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 BACKREST¹	TILT RANGE		LOAD CAPACITY AT	TILT RANGE		LOAD CAPACITY AT		
			WITHOUT LOAD BACK-REST	WITH STAND- DARD LOAD BACK- REST¹			FWD	BWD		24 IN. (600 MM) LOAD CENTER²	FWD		BWD	24 IN. (600 MM) LOAD CENTER²
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)	deg	deg	lb (kg)			
8FB30														
Wide Visible (V)	100 (2545)	69.7 (1770)	126.8 (3220)	146.5 (3720)	5.3 (135)	5.3 (135)	6	11	6000 (2720)	6	11	— ^a		
	108 (2745)	73.6 (1870)	134.6 (3420)	154.3 (3920)	5.3 (135)	5.3 (135)	6	11	6000 (2720)	6	11	— ^a		
	119.5 (3045)	79.5 (2020)	146.5 (3720)	166.1 (4220)	5.3 (135)	5.3 (135)	6	11	6000 (2720)	6	11	— ^a		
	131.5 (3345)	85.4 (2170)	158.3 (4020)	178 (4520)	5.3 (135)	5.3 (135)	6	11	6000 (2720)	6	11	— ^a		
	139.5 (3545)	89.4 (2270)	166.1 (4220)	185.8 (4720)	5.3 (135)	5.3 (135)	6	11	6000 (2720)	6	11	— ^a		
	147 (3745)	95.7 (2430)	174 (4420)	193.7 (4920)	5.3 (135)	5.3 (135)	6	11	6000 (2720)	6	11	— ^a		
	159 (4045)	103.1 (2620)	185.8 (4720)	205.5 (5220)	5.3 (135)	5.3 (135)	6	11	6000 (2720)	6	11	— ^a		
	178.5 (4545)	113 (2870)	205.5 (5220)	225.2 (5720)	5.3 (135)	5.3 (135)	6	5	5700 (2580)	6	5	6000 (2720)		
Full Free-Lift 2-Stage (FV)	198.5 (5045)	122.8 (3120)	255.2 (5720)	244.9 (6220)	5.3 (135)	5.3 (135)	6	5	4700 (2130)	6	5	6000 (2720)		
	119.5 (3045)	79.5 (2020)	142.3 (3615)	166.1 (4220)	55.3 (1405)	31.5 (800)	6	11	6000 (2720)	6	11	— ^a		
	131.5 (3345)	85.4 (2170)	154.1 (3915)	178 (4520)	61.2 (1555)	37.4 (950)	6	11	6000 (2720)	6	11	— ^a		
	139.5 (3545)	89.4 (2270)	162 (4115)	185.8 (4720)	65.2 (1655)	41.3 (1050)	6	11	6000 (2720)	6	11	— ^a		
	147 (3745)	95.7 (2430)	169.9 (4315)	193.7 (4920)	71.5 (1815)	47.6 (1210)	6	11	6000 (2720)	6	11	— ^a		
	159 (4045)	103.1 (2620)	181.7 (4615)	205.5 (5220)	78.9 (2005)	55.1 (1400)	6	11	6000 (2720)	6	11	— ^a		
Full Free-Lift 3-Stage (FSV)	147 (3745)	75.6 (1920)	169.9 (4315)	193.7 (4920)	51.4 (1305)	27.6 (700)	6	5	6000 (2720)	6	5	— ^a		
	159 (4045)	79.5 (2020)	181.7 (4615)	205.5 (5220)	55.3 (1405)	31.5 (800)	6	5	6000 (2720)	6	5	— ^a		
	171 (4345)	85.4 (2170)	193.5 (4915)	217.3 (5520)	61.2 (1555)	37.4 (950)	6	5	6000 (2720)	6	5	— ^a		
	179 (4545)	87.4 (2220)	201.4 (5115)	225.2 (5720)	63.2 (1605)	39.4 (1000)	6	5	5600 (2540)	6	5	6000 (2720)		
	187 (4750)	89.4 (2270)	209.3 (5315)	233.1 (5920)	65.2 (1655)	41.3 (1050)	6	5	5600 (2540)	6	5	6000 (2720)		
	198.5 (5045)	95.7 (2430)	221.1 (5615)	244.9 (6220)	71.5 (1815)	47.6 (1210)	6	5	4800 (2180)	6	5	5800 (2630)		
	218 (5545)	103.1 (2620)	240.7 (6115)	264.6 (6720)	78.9 (2005)	55.1 (1400)	6	5	3790 (1720)	6	5	5290 (2400)		
	237.5 (6045)	113 (2870)	260.4 (6615)	284.3 (7220)	88.8 (2255)	65 (1650)	6	5	2890 (1310)	6	5	4100 (1860)		

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT			FREE-LIFT		SINGLE TIRE			DUAL TIRE				
		LOWERED	EXTENDED		WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST¹	TILT RANGE		LOAD CAPACITY AT	TILT RANGE		LOAD CAPACITY AT		
			WITHOUT LOAD BACK-REST	WITH STAND- DARD LOAD BACK-REST¹			FWD	BWD		24 IN. (600 MM) LOAD CENTER²	FWD		BWD	24 IN. (600 MM) LOAD CENTER²
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)	deg	deg	lb (kg)			
8FBJ35														
Wide Visible (V)	100 (2545)	74.4 (1890)	132.3 (3360)	146.5 (3720)	5.5 (140)	5.5 (140)	6	11	7000 (3180)	6	11	— ^a		
	108 (2745)	78.3 (1990)	140.2 (3560)	154.3 (3920)	5.5 (140)	5.5 (140)	6	11	7000 (3180)	6	11	— ^a		
	119.5 (3045)	83.1 (2110)	152 (3860)	166.1 (4220)	5.5 (140)	5.5 (140)	6	11	7000 (3180)	6	11	— ^a		
	131.5 (3345)	90.2 (2290)	163.8 (4160)	178 (4520)	5.5 (140)	5.5 (140)	6	11	7000 (3180)	6	11	— ^a		
	139.5 (3545)	94.1 (2390)	171.7 (4360)	185.8 (4720)	5.5 (140)	5.5 (140)	6	11	7000 (3180)	6	11	— ^a		
	147 (3745)	98 (2490)	179.5 (4560)	193.7 (4920)	5.5 (140)	5.5 (140)	6	11	7000 (3180)	6	11	— ^a		
	159 (4045)	107.9 (2740)	191.3 (4860)	205.5 (5220)	5.5 (140)	5.5 (140)	6	11	7000 (3180)	6	11	— ^a		
	178.5 (4545)	117.7 (2990)	211 (5360)	255.2 (5720)	5.5 (140)	5.5 (140)	6	5	6700 (3040)	6	5	7000 (3180)		
Full Free-Lift 2-Stage (FV)	198.5 (5045)	127.6 (3240)	230.7 (5860)	244.9 (6220)	5.5 (140)	5.5 (140)	6	5	5490 (2490)	6	5	6810 (3090)		
	119.5 (3045)	83.1 (2110)	146.7 (3725)	166.1 (4220)	53.7 (1385)	35 (890)	6	11	7000 (3180)	6	11	7000 (3175)		
	131.5 (3345)	90.2 (2290)	158.5 (4025)	178 (4520)	61.6 (1565)	42.1 (1070)	6	11	7000 (3180)	6	11	7000 (3175)		
	139.5 (3545)	94.1 (2390)	166.3 (4225)	185.8 (4720)	65.6 (1665)	46.1 (1170)	6	11	7000 (3180)	6	11	7000 (3175)		
	147 (3745)	98 (2490)	174.2 (4425)	193.7 (4920)	69.5 (1765)	50 (1270)	6	11	7000 (3180)	6	11	7000 (3175)		
Full Free-Lift 3-Stage (FSV)	159 (4045)	107.9 (2740)	186 (4725)	205.5 (5220)	79.3 (2015)	59.8 (1520)	6	11	7000 (3180)	6	11	7000 (3175)		
	147 (3745)	79.5 (2020)	174.2 (4425)	193.7 (4920)	51 (1295)	31.5 (800)	6	5	7000 (3180)	6	5	— ^a		
	159 (4045)	85.4 (2170)	186 (4725)	205.5 (5220)	56.9 (1445)	37.4 (950)	6	5	7000 (3180)	6	5	— ^a		
	171 (4345)	87.6 (2225)	197.8 (5025)	217.3 (5520)	58.9 (1495)	39.6 (1005)	6	5	7000 (3180)	6	5	— ^a		
	179 (4545)	89.4 (2270)	205.7 (5225)	225.2 (5720)	60.8 (1545)	41.3 (1050)	6	5	5800 (2630)	6	5	6810 (3090)		
	187 (4750)	95.7 (2430)	213.6 (5425)	233.1 (5920)	67.1 (1705)	47.6 (1210)	6	5	5800 (2630)	6	5	6810 (3090)		
	198.5 (5045)	103 (2620)	255.4 (5725)	244.9 (6220)	74.6 (1895)	55.1 (1400)	6	5	5000 (2270)	6	5	6610 (3000)		
	218 (5545)	113 (2870)	245.1 (6225)	264.6 (6720)	84.4 (2145)	65 (1650)	6	5	3900 (1770)	6	5	5800 (2630)		
	237.5 (6045)	122.8 (3120)	264.8 (6725)	284.3 (7220)	94.3 (2395)	74.8 (1900)	6	5	3000 (1360)	6	5	4410 (2000)		

^a Capacity available by special request
¹ Height of standard load backrest is 48" (1220 mm)
² All capacities of 1,500 lbs or less are subject to a secondary review and could be denied by Toyota





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