

MODEL NUMBERS

GENERAL DATA				40-8FGU20	50-8FGU20	40-8FGU25	50-8FGU25
Load Capacity		lb (kg)		4000 (1800)	4000 (1800)	5000 (2250)	5000 (2250)
Power Type				Gasoline/LP	LP	Gasoline/LP	LP
Operator Position				Seated Rider	Seated Rider	Seated Rider	Seated Rider
Tire Type	Front / Rear			Pneumatic / Pneumatic	Pneumatic / Pneumatic	Pneumatic / Pneumatic	Pneumatic / Pneumatic
Wheels (x = driven)	Front / Rear			2x / 2	2x / 2	2x / 2	2x / 2
EXTERIOR DIMENSIONS				40-8FGU20	50-8FGU20	40-8FGU25	50-8FGU25
A	Maximum Fork Height (top of forks)	in (mm)		131.5 (3340)	131.5 (3340)	131.5 (3340)	131.5 (3340)
B	Free-Lift (top of forks)	in (mm)		6.1 (155)	6.1 (155)	6.1 (155)	6.1 (155)
C	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)	1.6 x 5 x 42 (40 x 125 x 1070)	1.6 x 5 x 42 (40 x 125 x 1070)
D	Fork Spread Max. / Min. (outer edge to edge)	in (mm)		40 (1020) / 10 (250)	40 (1020) / 10 (250)	40 (1020) / 10 (250)	40 (1020) / 10 (250)
E	Tilt Range (forward / backward)	deg		6 / 11	6 / 11	6 / 11	6 / 11
F	Length to Fork Face	in (mm)		101.4 (2575)	101.4 (2575)	103.9 (2640)	103.9 (2640)
G	Overall Width	in (mm)		45.3 (1150)	45.3 (1150)	45.3 (1150)	45.3 (1150)
H	Mast Lowered Height	in (mm)		84.5 (2145)	84.5 (2145)	84.5 (2145)	84.5 (2145)
I	Mast Extended Height (top of load backrest)	in (mm)		179.5 (4560)	179.5 (4560)	179.5 (4560)	179.5 (4560)
J	Overhead Guard Height	in (mm)		83.1 (2110)	83.1 (2110)	83.1 (2110)	83.1 (2110)
K	Turning Radius (inside / outside)	in (mm)		5.91 (150) / 84.7 (2150)	5.91 (150) / 84.7 (2150)	5.91 (150) / 87.5 (2220)	5.91 (150) / 87.5 (2220)
L	Load Distance¹	in (mm)		18.5 (470)	18.5 (470)	18.5 (470)	18.5 (470)
M	Rear Overhang	in (mm)		17.9 (455)	17.9 (455)	20.5 (520)	20.5 (520)
N	Basic Right-Angle Stacking Aisle Width²	in (mm)		103.2 (2620)	103.2 (2620)	105.9 (2690)	105.9 (2690)
PERFORMANCE DATA				40-8FGU20	50-8FGU20	40-8FGU25	50-8FGU25
Speeds	Maximum Travel (forward / reverse)	Full Load	mph (km/h)	10.9 (17.5) / 10.9 (17.5)	10.9 (17.5) / 10.9 (17.5)	10.9 (17.5) / 10.9 (17.5)	10.9 (17.5) / 10.9 (17.5)
		No Load	mph (km/h)	11.2 (18.0) / 11.2 (18.0)	11.2 (18.0) / 11.2 (18.0)	11.2 (18.0) / 11.2 (18.0)	11.2 (18.0) / 11.2 (18.0)
	Lifting	Full Load	fpm (mm/sec)	118 (600)	118 (600)	118 (600)	118 (600)
		No Load	fpm (mm/sec)	124 (630)	126 (640)	124 (630)	126 (640)
	Lowering	Full Load	fpm (mm/sec)	98 (500)	98 (500)	98 (500)	98 (500)
		No Load	fpm (mm/sec)	98 (500)	98 (500)	98 (500)	98 (500)
Drawbar Pull	Maximum	Full Load	lb (kg)	4160 (1890)/4250 (1930)	4250 (1928)	4160 (1890)/4250 (1930)	4250 (1928)
		No Load	lb (kg)	2020 (915)	2020 (915)	1910 (870)	1910 (870)
Gradeability	1 mph (1.5 km/h)³	Full Load	%	31/33	33	26/28	28
		Full Load	%	37/39	39	31/33	33
	Maximum³	No Load	%	23	23	20	20
TRUCK WEIGHTS				40-8FGU20	50-8FGU20	40-8FGU25	50-8FGU25
Total Weight		lb (kg)		7240(3280)	7080 (3210)	8000(3640)	7840 (3560)
Weight Distribution	Full Load (front / rear)	lb (kg)		9820(4630) / 1420(650)	9750 (4600) / 1330 (610)	11340(5360)/1670(770)	11260 (5330) / 1580 (730)
	No Load (front / rear)	lb (kg)		3200 (1450) / 4040 (1830)	3130 (1420) / 3950 (1790)	3050(1380)/4950(2250)	2980 (1350) / 4860 (2210)
TIRES				40-8FGU20	50-8FGU20	40-8FGU25	50-8FGU25
Tires	Number (front / rear)			2 / 2	2 / 2	2 / 2	2 / 2
	Size	Front		7.00-12-12PR (1)	7.00-12-12PR (1)	7.00-12-12PR (1)	7.00-12-12PR (1)
		Rear		6.00-9-10PR (1)	6.00-9-10PR (1)	6.00-9-10PR (1)	6.00-9-10PR (1)
Wheelbase		in (mm)		65 (1650)	65 (1650)	65 (1650)	65 (1650)
Tread Width (front / rear)		in (mm)		37.8 (960) / 38.0 (965)	37.8 (960) / 38.0 (965)	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)	3.7 (95)	3.7 (95)
	Center of Wheelbase	in (mm)		5.5 (140)	5.5 (140)	5.5 (140)	5.5 (140)
Brake	Service (foot) / Parking			Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical
POWER SYSTEM				40-8FGU20	50-8FGU20	40-8FGU25	50-8FGU25
Battery (5-hour rating)		V / Ah		12 / 35	12 / 35	12 / 35	12 / 35
Internal Combustion Engine	Make / Model			Kubota/WG2503	4Y - US	Kubota/WG2503	4Y - US
	Rated Horsepower @ rpm	SAE HP		56 @ 2600 Net/ 58 @ 2600 Net	51 @ 2570 Net	56 @ 2600 Net/ 58 @ 2600 Net	51 @ 2570 Net
		(kW)		42 @ 2600/ 44 @ 2600	(38 @ 2570)	42 @ 2600/ 44 @ 2600	(38 @ 2570)
	Rated Torque @ rpm	SAE ft-lb		122 @ 1800 Net/ 129 @ 1600 Net	112 @ 1800 Net	122 @ 1800 Net/129 @ 1600 Net	112 @ 1800 Net
		(N-m)		165 @ 1800 / 175 @ 1600	(152 @ 1800)	165 @ 1800/ 175 @ 1600	(152 @ 1800)
	Number of Cylinders			4	4	4	4
	Piston Displacement		cu in (cc)	151(2491)	136 (2237)	151(2491)	136 (2237)
Fuel Tank Capacity		US gal (liter)		15.9	15.9	15.9	15.9
Transmission	Type			Powershift	Powershift	Powershift	Powershift
	Speeds (forward / reverse)			1 / 1	1 / 1	1 / 1	1 / 1
Auxiliary Hydraulic Function Specifications (for attachments)⁴	Max. Operating Pressure		psi (kg/cm2)	2275 (160)	2275 (160)	2275 (160)	2275 (160)
	Max. Flow Rate		gpm	20	20	20	20

1 Load distance at centerline of front axle to front face of forks.

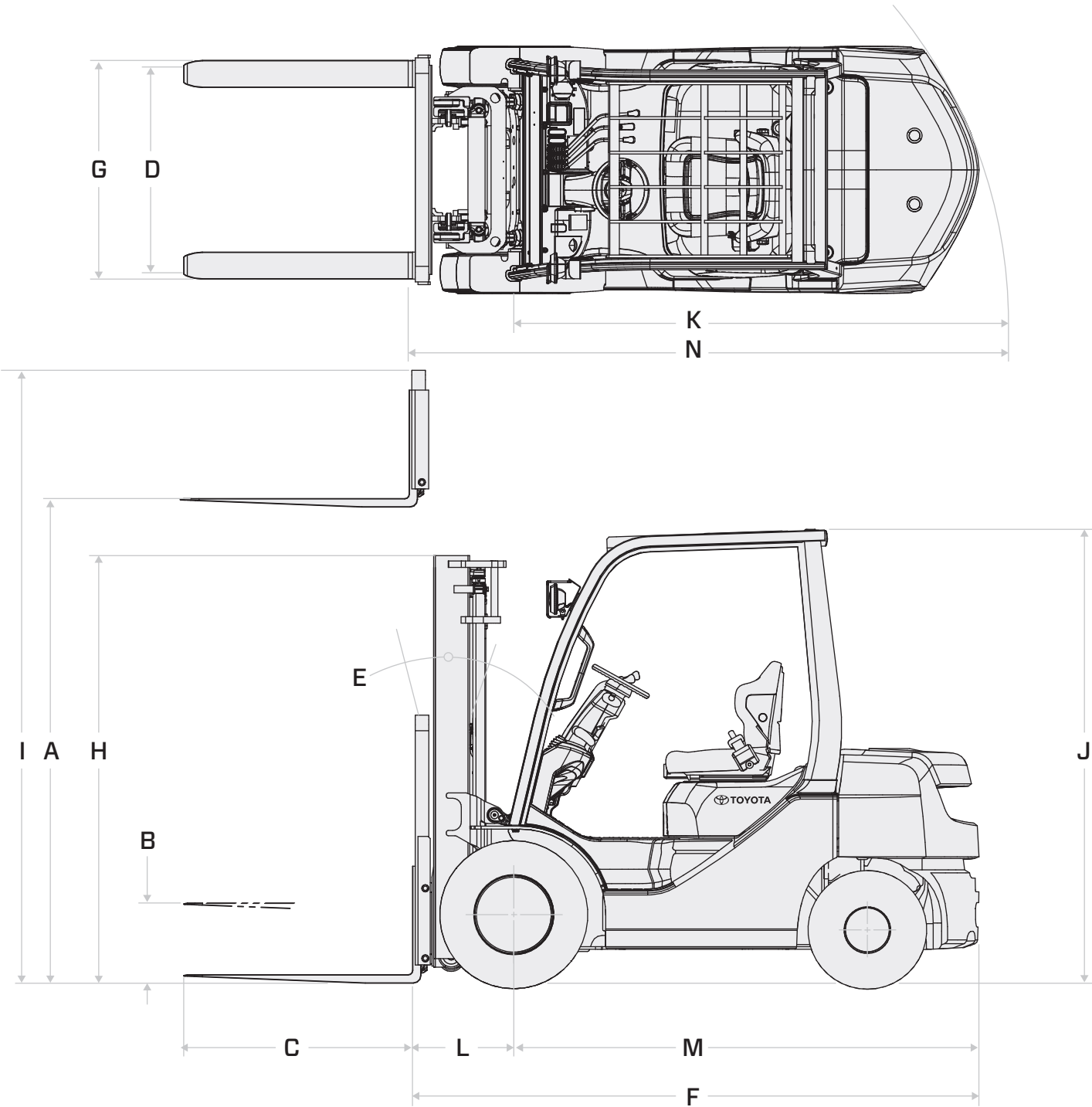
2 Basic right-angle stacking aisle width, add load length & clearance.

3 Computed values. Performance of LPG fuel system may be less than that of standard model shown.

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

5 LPG-only units.

EXTERIOR DIMENSIONS



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. (610 MM) LOAD CENTER		TILT RANGE	LOAD CAPACITY AT 24 IN. (610 MM) LOAD CENTER
			WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST¹				FWD / BWD	NARROW TREAD		
	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	deg	lb (kg)	lb (kg)	deg	lb (kg)
50-8FGU20 / 40-8FGU20											
Wide Visible (V)	80 (2040)	58.9 (1495)	104.7 (2660)	128.3 (3260)	6.1 (155)	6.1 (155)	6 / 11	4000 (1800)	4000 (1800)	6 / 11	4000 (1800)
	119.5 (3040)	78.5 (1995)	144.1 (3660)	167.7 (4260)	6.1 (155)	6.1 (155)	6 / 11	4000 (1800)	4000 (1800)	6 / 11	4000 (1800)
	131.5 (3340)	84.5 (2145)	155.9 (3960)	179.5 (4560)	6.1 (155)	6.1 (155)	6 / 11	4000 (1800)	4000 (1800)	6 / 11	4000 (1800)
	139 (3540)	88.4 (2245)	163.8 (4160)	187.4 (4760)	6.1 (155)	6.1 (155)	6 / 11	4000 (1800)	4000 (1800)	6 / 11	4000 (1800)
	147 (3740)	94.7 (2405)	171.7 (4360)	195.3 (4960)	6.1 (155)	6.1 (155)	6 / 11	4000 (1800)	4000 (1800)	6 / 11	4000 (1800)
	159 (4040)	102.2 (2595)	183.5 (4660)	207.1 (5260)	6.1 (155)	6.1 (155)	6 / 11	4000 (1800)	4000 (1800)	6 / 11	4000 (1800)
Full Free-Lift 2-Stage (FV)	119.5 (3040)	78.5 (1995)	143.5 (3645)	167.7 (4260)	55.1 (1400)	30.5 (775)	6 / 11	4000 (1800)	4000 (1800)	6 / 11	4000 (1800)
	131.5 (3340)	84.5 (2145)	151.4 (3845)	179.5 (4560)	61 (1550)	36.4 (925)	6 / 11	4000 (1800)	4000 (1800)	6 / 11	4000 (1800)
	139 (3540)	88.4 (2245)	163.2 (4145)	187.4 (4760)	65 (1650)	40.4 (1025)	6 / 11	4000 (1800)	4000 (1800)	6 / 11	4000 (1800)
Full Free-Lift 3-Stage (FSV)	159 (4040)	74.6 (1895)	181.5 (4610)	206.7 (5250)	52.4 (1330)	26.6 (675)	6 / 6	4000 (1800)	4000 (1800)	6 / 6	4000 (1800)
	170.5 (4340)	78.5 (1995)	193.3 (4910)	218.5 (5550)	56.3 (1430)	30.5 (775)	6 / 6	4000 (1800)	4000 (1800)	6 / 6	4000 (1800)
	189 (4800)	84.5 (2145)	211.4 (5370)	236.6 (6010)	62.2 (1580)	36.4 (915)	6 / 6	3900 (1750)	4000 (1800)	6 / 6	4000 (1800)
	198 (5040)	88.4 (2245)	220.9 (5610)	246.1 (6250)	66.1 (1680)	40.4 (1015)	6 / 6	3550 (1600)	4000 (1800)	6 / 6	4000 (1800)
	218 (5540)	94.7 (2405)	240.6 (6110)	265.7 (6750)	72.4 (1840)	46.7 (1185)	6 / 6	2800 (1250)	3500 (1600)	6 / 6	3750 (1700)
	237.5 (6040)	102.2 (2595)	260.2 (6610)	285.4 (7250)	79.9 (2030)	54.2 (1375)	6 / 6	2000 (900)	2550 (1150)	6 / 6	3300 (1500)
	257.5 (6540)	112 (2845)	279.9 (7110)	305.1 (7750)	89.8 (2280)	64 (1625)	—	—	—	6 / 6	3200 (1450)
	277 (7040)	121.9 (3095)	299.6 (7610)	324.8 (8250)	99.6 (2530)	73.9 (1875)	—	—	—	6 / 6	2600 (1200)
Full Free-Lift 4-Stage (QFV)	240 (6100)	84.8 (2155)	263.4 (6690)	289.4 (7350)	61 (1550)	35 (895)	6 / 3	—	—	6 / 3	—
	258 (6600)	90.7 (2305)	281.5 (7150)	307.5 (7810)	67 (1700)	41 (1045)	6 / 3	—	2600 (1170)	6 / 3	—

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 ¹	TILT RANGE	LOAD CAPACITY AT 24 IN. (610 MM) LOAD CENTER		TILT RANGE	LOAD CAPACITY AT 24 IN. (610 MM) LOAD CENTER
			WITHOUT LOAD BACKREST	WITH STANDARD LOAD BACKREST ¹				FWD / BWD	NARROW TREAD		
	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	deg	lb (kg)	lb (kg)	deg	lb (kg)
50-8FGU25 / 40-8FGU25											
Wide Visible (V)	80 (2040)	58.9 (1495)	104.7 (2660)	128.3 (3260)	6.1 (155)	6.1 (155)	6 / 11	5000 (2250)	5000 (2250)	6 / 11	5000 (2250)
	119.5 (3040)	78.5 (1995)	144.1 (3660)	167.7 (4260)	6.1 (155)	6.1 (155)	6 / 11	5000 (2250)	5000 (2250)	6 / 11	5000 (2250)
	131.5 (3340)	84.5 (2145)	155.9 (3960)	179.5 (4560)	6.1 (155)	6.1 (155)	6 / 11	5000 (2250)	5000 (2250)	6 / 11	5000 (2250)
	139 (3540)	88.4 (2245)	163.8 (4160)	187.4 (4760)	6.1 (155)	6.1 (155)	6 / 11	5000 (2250)	5000 (2250)	6 / 11	5000 (2250)
	147 (3740)	94.7 (2405)	171.7 (4360)	195.3 (4960)	6.1 (155)	6.1 (155)	6 / 11	5000 (2250)	5000 (2250)	6 / 11	5000 (2250)
	159 (4040)	102.2 (2595)	183.5 (4660)	207.1 (5260)	6.1 (155)	6.1 (155)	6 / 11	5000 (2250)	5000 (2250)	6 / 11	5000 (2250)
Full Free-Lift 2-Stage (FV)	119.5 (3040)	78.5 (1995)	143.5 (3645)	167.7 (4260)	55.1 (1400)	30.5 (775)	6 / 11	5000 (2250)	5000 (2250)	6 / 11	5000 (2250)
	131.5 (3340)	84.5 (2145)	151.4 (3845)	179.5 (4560)	61 (1550)	36.4 (925)	6 / 11	5000 (2250)	5000 (2250)	6 / 11	5000 (2250)
	139 (3540)	88.4 (2245)	163.2 (4145)	187.4 (4760)	65 (1650)	40.4 (1025)	6 / 11	5000 (2250)	5000 (2250)	6 / 11	5000 (2250)
Full Free-Lift 3-Stage (FSV)	159 (4040)	74.6 (1895)	181.5 (4610)	206.7 (5250)	52.4 (1330)	26.6 (675)	6 / 6	5000 (2250)	5000 (2250)	6 / 6	5000 (2250)
	170.5 (4340)	78.5 (1995)	193.3 (4910)	218.5 (5550)	56.3 (1430)	30.5 (775)	6 / 6	5000 (2250)	5000 (2250)	6 / 6	5000 (2250)
	189 (4800)	84.5 (2145)	211.4 (5370)	236.6 (6010)	62.2 (1580)	36.4 (915)	6 / 6	3950 (1800)	4850 (2200)	6 / 6	4950 (2250)
	198 (5040)	88.4 (2245)	220.9 (5610)	246.1 (6250)	66.1 (1680)	40.4 (1015)	6 / 6	3550 (1600)	4500 (2050)	6 / 6	4850 (2200)
	218 (5540)	94.7 (2405)	240.6 (6110)	265.7 (6750)	72.4 (1840)	46.7 (1185)	6 / 6	2850 (1300)	3850 (1750)	6 / 6	4500 (2050)
	237.5 (6040)	102.2 (2595)	260.2 (6610)	285.4 (7250)	79.9 (2030)	54.2 (1375)	6 / 6	2000 (900)	2550 (1150)	6 / 6	3500 (1600)
	257.5 (6540)	112 (2845)	279.9 (7110)	305.1 (7750)	89.8 (2280)	64 (1625)	—	—	—	6 / 6	3200 (1450)
	277 (7040)	121.9 (3095)	299.6 (7610)	324.8 (8250)	99.6 (2530)	73.9 (1875)	—	—	—	6 / 6	2500 (1150)
Full Free-Lift 4-Stage (QFV)	240 (6100)	84.8 (2155)	263.4 (6690)	289.4 (7350)	61 (1550)	35 (895)	6 / 3	—	3800 (1720)	6 / 3	—
	258 (6600)	90.7 (2305)	281.5 (7150)	307.5 (7810)	67 (1700)	41 (1045)	6 / 3	—	—	6 / 3	—

¹ Height of standard load backrest is 48" (1220 mm).
Wide tread standard for all models with a 189" & higher FSV mast. Wide tread deduct option (GDOF) will configure back to narrow tread.
High-lift SAS active mast functions not available on 80V mast.
Must have Dual Drive Tires (F00C) at extra cost for 258 FSV, 277 FSV.
Please contact your local, authorized Toyota Dealer for a complete list of available options.