

SECTION 1. SPECIFICATIONS

1.1 SPECIFICATIONS

Table 1-1. Operating Specifications

Description	3394RT	4394RT
Maximum Occupants	5	5
Maximum Workload (Capacity):		
Single Extension:	2250 lbs (1020 kg)	1500 lbs (680 kg)
Dual Extension:	2000 lbs (905 kg)	1250 lbs (565 kg)
Extension Only:	500 lbs (230 kg)	500 lbs (230 kg)
Maximum Travel Grade:		
2 WD	35%	
4WD	45%	
Maximum Travel Grade:	3°	
Maximum Platform Height	33 ft (10.06m)	43 ft (13.11m)
Maximum Drive Speed 2 WD	3.0 mph (4.8 kph)	3.0 mph (4.8 kph)
Maximum Drive Speed 4WD	3.5 mph (5.6 kph)	3.5 mph (5.6 kph)
Lift Up Speed (Stowed to Full Height)	29 - 31 sec	40 - 45 sec
Lift Down Speed (Full Height to Stowed)		
Maximum Wind Speed	28 mph (12.5 m/s)	
Maximum Horizontal Manual Side Force:		
Single Extension	335 lb force (1490 N)	300 lb force (1335 N)
Dual Extension	300 lb force (1335 N)	300 lb force (1335 N)
Single Extension (CE/AUS)	90 lb force (400 N)	90 lb force (400 N)
Dual Extension (CE/AUS)	90 lb force (400 N)	90 lb force (400 N)
Maximum Tire Load	4400 lbs (1996 kg)	
Ground Bearing Pressure w/Standard tires	49 psi (3.45 kg/cm ²)	56 psi (3.94 kg/cm ²)
Leveling Jack Bearing Pressure	69 psi (4.9 kg/cm ²)	
Wheelbase	9.67 ft (2.95 m)	
Ground Clearance	12 in (30 cm)	
Maximum Hydraulic System Pressure	3000 psi (207 bar)	
Electrical System Voltage	12 Volt	
Inside Turning Radius	14.5 ft (4.39 m)	
Outside Turning Radius	20.1 ft (6.12 m)	
Gross Vehicle Weight (with One Extension) Note: Certain options or country standards increase weight.	11,910 lbs (5,402 kg)	15,300 lbs (6,940 kg)

1.2 CAPACITIES

Table 1-2. Capacities

Description	3394RT	4394RT
Fuel Tank	31 gal (119 L)	
Hydraulic Tank:		
Total Capacity	23 gal (87.3 L)	
Full Level	27.3 gal (103.3 L)	
Low Level	23.6 gal (89.3 L)	

1.3 ENGINES

Table 1-3. Deutz - D 2.9 - L4 - Engine Specifications (Tier 4 Final Engine)

Emissions	EPA - Tier 4 Final
Fuel Type:	Diesel
Oil Capacity	2.35 Gal. (8.9 L) w/Filter
Coolant Capacity	0.79 Gal. (3.0 L) - Engine Only
Engine RPM Control	Deutz Electronic - EMR4
Low RPM Set	1200 RPM
High RPM Set	2600 RPM
Alternator	95 Amp, 12V, Belt Drive
Battery	112 Amp-Hour, 950 Cold Cranking Amps, 12 VDC
Fuel Consumption:	Low RPM 1.3 GPH (4.9 lph) High RPM 1.6 GPH (6.0 lph)
Horsepower	49 Hp (36.4 Kw) @ 2600 RPM
Torque Rating	108 Ft. lb. (147 Nm) @ 1600 rpm
Cylinder Firing Order	1-3-4-2

Table 1-4. Deutz D2011 L03 T41-Flex Specifications (Tier 4 Flex Engine)

Fuel Type:	Diesel
Oil Capacity	8.5 Quarts (8 L) w/Filter
Low RPM	1200
High RPM	2800
Alternator	95 Amp, Belt Drive
Battery	112 Amp-Hour, 950 Cold Cranking Amps, 12 VDC
Fuel Consumption:	Low RPM 1.3 GPH (4.9 lph) High RPM 1.6 GPH (6.0 lph)
Horsepower	49 @ 2800 RPM, full load

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Table 1-5. Deutz F3M2011 Specifications

Fuel	Diesel
Oil Capacity	8.5 Quarts (8 L) w/Filter
Low RPM	900
High RPM	2800
Alternator	95 Amp, Belt Drive
Battery	112 Amp-hour, 950 Cold Cranking Amps, 12 VDC
Fuel Consumption:	

1.4 TIRES

Table 1-7. Tire Specifications

Size	Ply Rating	Inflation Pressure	Wheel Nut Torque (Dry)
IN315/55D20 Pneumatic	12	75 psi (5 bar)	170 lb-ft (230 Nm)
IN315/55D20 Foam Filled	12	Foam Fill to 75 psi (5 bar)	170 lb-ft (230 Nm)
12 x 16.5			170 lb-ft

Dual Extension (CE/AUS)	90 lb force (400 N)	90 lb force (400 N)
Maximum Tire Load	4400 lbs (1996 kg)	
Ground Bearing Pressure w/Standard tires	49 psi (3.45 kg/cm ²)	56 psi (3.94 kg/cm ²)
Leveling Jack Bearing Pressure	69 psi (4.9 kg/cm ²)	
Wheelbase	9.67 ft (2.95 m)	
Ground Clearance	12 in (30 cm)	
Maximum Hydraulic System Pressure	3000 psi (207 bar)	
Electrical System Voltage	12 Volt	
Inside Turning Radius	14.5 ft (4.39 m)	
Outside Turning Radius	20.1 ft (6.12 m)	
Gross Vehicle Weight (with One Extension) Note: Certain options or country standards increase weight.	11,910 lbs (5,402 kg)	15,300 lbs (6,940 kg)

Horsepower	49 Hp (36.4 Kw) @ 2600 RPM
Torque Rating	108 Ft. lb. (147 Nm) @ 1600 rpm
Cylinder Firing Order	1-3-4-2

Table 1-4. Deutz D2011 L03 T41-Flex Specifications (Tier 4 Flex Engine)

Fuel Type:	Diesel
Oil Capacity	8.5 Quarts (8 L) w/Filter
Low RPM	1200
High RPM	2800
Alternator	95 Amp, Belt Drive
Battery	112 Amp-Hour; 950 Cold Cranking Amps, 12 VDC
Fuel Consumption:	Low RPM 1.3 GPH (4.9 lph) High RPM 1.6 GPH (6.0 lph)
Horsepower	49 @ 2800 RPM, full load

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SECTION 1 - SPECIFICATIONS

Table 1-5. Deutz F3M2011 Specifications

Fuel	Diesel
Oil Capacity	8.5 Quarts (8 L) w/Filter
Low RPM	900
High RPM	2800
Alternator	95 Amp, Belt Drive
Battery	112 Amphour, 950 Cold Cranking Amps, 12 VDC
Fuel Consumption:	Low RPM 1.3 GPH (4.9 lph) High RPM 1.6 GPH (6.0 lph)
Horsepower	48 @ 2800 RPM, full load

Table 1-6. GM 3.0L Specifications (Tier 2 and 3 Engine)

Fuel	Gasoline or Gasoline/LP Gas
No. of Cylinders	4
HorsePower:	83 hp @ 3000 rpm 75 hp @ 3000 rpm
Bore	4.0 in. (101.6 mm)
Stroke	3.6 in. (91.44 mm)
Displacement	181 cu.in. (3.0 L, 2966 cc)
Oil Capacity w/filter	Tier 2 4.5 qts. (4.25 L) Tier 3 5.0 qts. (4.73 L)
Minimum Oil Pressure:	at idle 6 psi (0.4 Bar) @ 1000 rpm at operation 18 psi (1.2 Bar) @ 2000 rpm
Compression Ratio	Tier 2 9.2:1 Tier 3 10.5:1
Firing Order	1-3-4-2
Maximum RPM	2800

1.4 TIRES

Table 1-7. Tire Specifications

Size	Ply Rating	Inflation Pressure	Wheel Nut Torque (Dry)
IN315/55D20 Pneumatic	12	75 psi (5 bar)	170 lb-ft (230 Nm)
IN315/55D20 Foam Filled	12	Foam Fill to 75 psi (5 bar)	170 lb-ft (230 Nm)
12 x 16.5 Pneumatic (Non-Marking)	10	90 psi (6 bar)	170 lb-ft (230 Nm)
12 x 16.5 Foam Filled (Non-Marking)	10	Foam Fill to 90 psi (6 bar)	170 lb-ft (230 Nm)
33/1550 x 16.5 Pneumatic	14	90 psi (6 bar)	170 lb-ft (230 Nm)
33/1550 x 16.5 Foam Filled	14	Foam Fill to 90 psi (6 bar)	170 lb-ft (230 Nm)
33/16LLx16.1 Foam Filled - Sand	10	Foam Fill to 50 psi (3.4 bar)	170 lb-ft (230 Nm)
31 x 15.50-15 Grass Master	10	60 psi (4 bar)	170 lb-ft (230 Nm)

1.5 MACHINE DIMENSIONS

Description	3394RT	4394RT
Machine Height (rails down)	61.75 in (1.6 m)	70.4 in (1.8 m)
Machine Width	94 in (2.4 m)	
Machine Length	156 in (4 m)	

1.6 PRESSURE SETTINGS

Table 1-8. Main Control Valve Relief Settings

Description	3394RT	4394RT
Main Relief	3000 psi (207 bar)	
Steer Relief	2800 psi (193 bar)	
Lift Up Relief	2700 psi (186 bar)	