

3754G

Engine		3754G Road Builder	Optional engine for use in Canada, Australia, and New Zealand
		Base engine for use in U.S. and U.S. Territories	
Manufacturer and Model		John Deere PowerTech™ PSS 9.0 L	John Deere PowerTech™ Plus 9.0 L
Non-Road Emission Standards		EPA Final Tier 4/EU Stage IV	EPA Tier 3/EU Stage IIIA
Net Rated Power (ISO 9249)		202 kW (271 hp) at 1,900 rpm	202 kW (271 hp) at 1,900 rpm
Cylinders		6	6
Engine Displacement		9.0 L (549 cu. in.)	9.0 L (549 cu. in.)
Off-Level Capacity		70% (35 deg.)	70% (35 deg.)
Aspiration		Series turbocharged, air-to-air charge-air cooler	Turbocharged, air-to-air charge-air cooler
Oil Filter, Remote Mounted		Full-flow spin-on filter	Full-flow spin-on filter
Cooling			
Fan Drive		Cool-on-demand hydraulic-driven, suction-type fan remote-mounted drive w/ optional reversing fan	
Powertrain			
2-speed propel with automatic shift			
Maximum Travel Speed			
Low		3.1 km/h (1.9 mph)	
High		4.5 km/h (2.8 mph)	
Drawbar Pull		36 102 kgf (79,590 lbf)	
Hydraulics			
Open center, pilot operated			
Main Pumps		2 variable-displacement pumps	
Maximum Rated Flow x 2		288 L/m (76.1 gpm)	
System Operating Pressure			
Implement Circuits		34 300 kPa (4,975 psi)	
Power Boost		38 000 kPa (5,511 psi)	
Controls		Pilot levers; short-stroke, low-effort hydraulic pilot with shutoff lever	
Electrical			
		<i>EPA Final Tier 4/EU Stage IV</i>	<i>EPA Tier 3/EU Stage IIIA</i>
System Voltage		24 volt	24 volt
Alternator Rating		150 amp	130 amp
Lights			
Work		5 halogen: 3 cab front and 2 right-hand front log deflector standard / 14 LEDs optional	
Access (optional)		1 LED (rear right cab)	1 LED (rear right cab)
Service		5 LEDs (compartment and engine hood)	5 LEDs (compartment and engine hood)
Undercarriage			
		<i>Standard</i>	<i>Optional LC</i>
Rollers (per side)			
Carrier		2	2
Track		8	9
Shoes, Double Grousers (per side)		49	53
Undercarriage Pitch		216 mm (8.5 in.)	216 mm (8.5 in.)

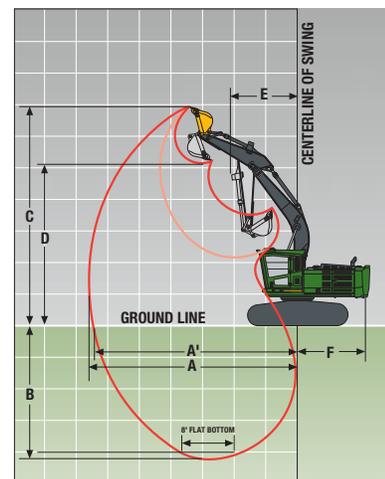


Ground Pressure	3754G Road Builder	
700-mm (28 in.) Double-Grouser Shoes	67.6 kPa (9.8 psi)	
Swing Mechanism		
Swing Speed	11.0 rpm	
Swing Torque	120 000 Nm (88,507 lb.-ft.)	
Operator's Station		
Operator Height from Ground (eye level), Side-Entry Forestry Cab	3125 mm (10 ft. 2 in.)	
Serviceability		
Refill Capacities		
Fuel Tank	1080.0 L (285.0 gal.)	
Cooling System	39.7 L (10.5 gal.)	
Diesel Exhaust Fluid (DEF) Tank (FT4)	43.6 L (11.5 gal.)	
Engine Crankcase (including filter)	27.0 L (28.5 qt.)	
Hydraulic Tank Oil	195.0 L (52.0 gal.)	
Operating Weights		
With full fuel tank, 79-kg (175 lb.) operator, side-entry forestry cab, 5538-kg (12,206 lb.) counterweight, 700-mm (28 in.) double-grouser shoes, FT4 engine, and 2.92-m (9 ft. 7 in.) undercarriage; no attachment included		
SAE Operating Weight	EPA Final Tier 4/EU Stage IV 43 143 kg (95,114 lb.)	EPA Tier 3/EU Stage IIIA 42 916 kg (94,614 lb.)
Optional Components (add weight)		
Rear-Entry Cab	671 kg (1,480 lb.)	671 kg (1,480 lb.)
LC Undercarriage	716 kg (1,578 lb.)	716 kg (1,578 lb.)
Operating Dimensions		

With 700-mm (28 in.) shoes; 5538-kg (12,206 lb.) counterweight; 3.2-m (10 ft. 6 in.) arm; 1160-kg (2,557 lb.), 1.76-m³ (2.3 cu. yd.), 1370-mm (54 in.) bucket; full fuel tank; 79-kg (175 lb.) operator, and standard equipment

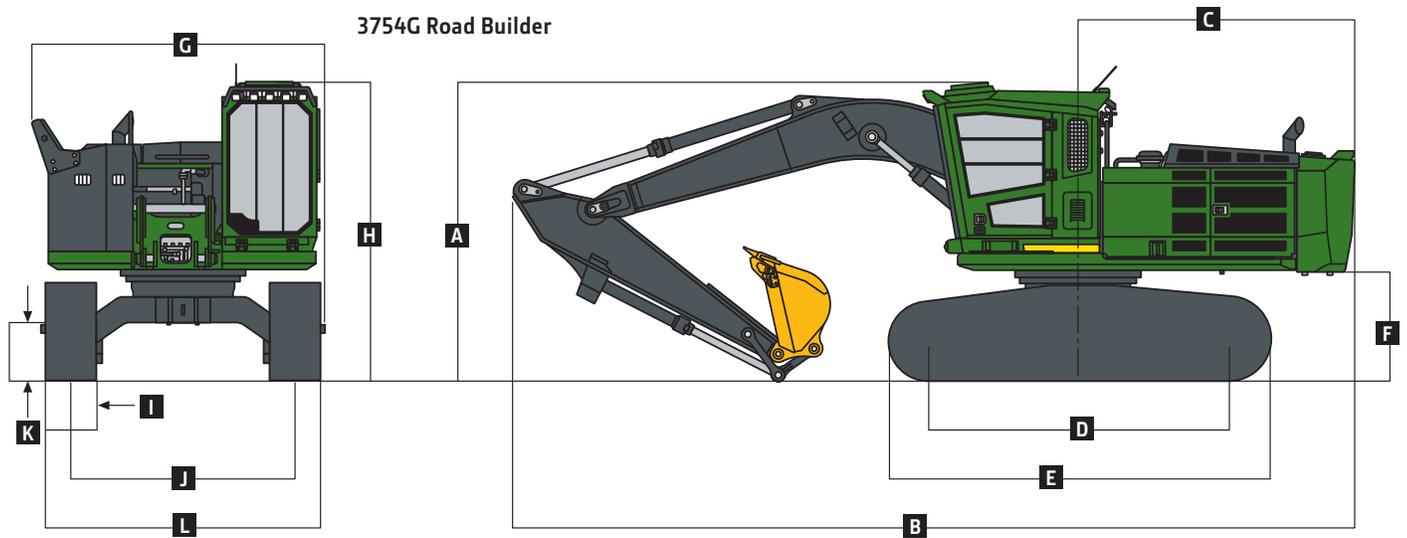
A Maximum Reach	11.05 m (36 ft. 3 in.)
A' Maximum Reach at Ground Level	10.80 m (35 ft. 5 in.)
B Maximum Digging Depth	7.14 m (23 ft. 5 in.)
C Maximum Cutting Height	10.52 m (34 ft. 6 in.)
D Maximum Dumping Log-Level Height	7.62 m (25 ft. 0 in.)
E Minimum Swing Radius	4.45 m (14 ft. 7 in.)
F Tail Swing Radius	3.68 m (12 ft. 1 in.)

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Machine Dimensions	3754G Road Builder	
	Standard	Optional LC
Undercarriage		
A Height (side-entry cab)	3.81 m (12 ft. 6 in.)	3.81 m (12 ft. 6 in.)
B Overall Length	11.15 m (36 ft. 7 in.)	11.15 m (36 ft. 7 in.)
C Rear-End Length / Swing Radius	3.61 m (11 ft. 10 in.)	3.61 m (11 ft. 10 in.)
D Distance Between Idler / Sprocket Centerline	4.04 m (13 ft. 3 in.)	4.47 m (14 ft. 8 in.)
E Undercarriage Length	4.95 m (16 ft. 3 in.)	5.46 m (17 ft. 11 in.)
F Counterweight Clearance	1.45 m (4 ft. 9 in.)	1.45 m (4 ft. 9 in.)
G Upperstructure Width	3.48 m (11 ft. 5 in.)	3.48 m (11 ft. 5 in.)
H Cab Height (side-entry cab)	3.81 m (12 ft. 6 in.)	3.81 m (12 ft. 6 in.)
I Track Width with 700-mm (28 in.) Double-Grouser Shoes	0.71 m (28 in.)	0.71 m (28 in.)
J Center of Sprocket to Center of Sprocket (gauge width)	2.92 m (9 ft. 7 in.)	2.92 m (9 ft. 7 in.)
K Ground Clearance	0.74 m (29 in.)	0.74 m (29 in.)
L Undercarriage Width with 700-mm (28 in.) Double-Grouser Shoes	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)



Attachment weight is not included when calculating the lift capacities.

Boldface type indicates hydraulic-limited capacities with power boost; lightface type indicates stability-limited capacities, in kg (lb.).
Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine.

Lift Capacity — 3754G Road Builder with 2.92-m (9 ft. 7 in.) undercarriage and 700-mm (28 in.) shoes; bare pin										
Load Point Height	3.1 m (10 ft.)		4.6 m (15 ft.)		6.1 m (20 ft.)		7.6 m (25 ft.)		9.1 m (30 ft.)	
	Over Front	Over Side	Over Front	Over Side						
7.6 m (25 ft.)							8270	8270		
							(18,220)	(18,220)		
6.1 m (20 ft.)							8340	8340		
							(18,380)	(18,380)		
4.6 m (15 ft.)			12 810	12 810	10 210	10 210	8900	8900	8240	6950
			(28,220)	(28,220)	(22,510)	(22,510)	(19,610)	(19,610)	(18,160)	(15,330)
3.1 m (10 ft.)			15 860	15 860	11 670	11 670	9630	8920	8490	6820
			(34,960)	(34,960)	(25,710)	(25,710)	(21,220)	(19,670)	(18,710)	(15,040)
1.5 m (5 ft.)			17 880	17 790	12 870	11 750	10 290	8620	8740	6680
			(39,410)	(39,220)	(28,360)	(25,910)	(22,670)	(19,000)	(19,260)	(14,730)
Ground Line	26 160	26 160	18 380	17 390	13 470	11 420	10 640	8420		
	(57,650)	(57,650)	(40,510)	(38,320)	(29,700)	(25,170)	(23,450)	(18,550)		
-1.5 m (-5 ft.)	24 600	24 600	17 740	17 350	13 330	11 310	10 450	8350		
	(54,210)	(54,210)	(39,100)	(38,240)	(29,380)	(24,930)	(23,040)	(18,410)		
-3.1 m (-10 ft.)	21 620	21 620	16 030	16 030	12 230	11 410	9200	8490		
	(47,640)	(47,640)	(35,330)	(35,330)	(26,960)	(25,150)	(20,280)	(18,700)		
-4.6 m (-15 ft.)	16 620	16 620	12 720	12 720	9320	9320				
	(36,630)	(36,630)	(28,030)	(28,030)	(20,530)	(20,530)				