

2654G

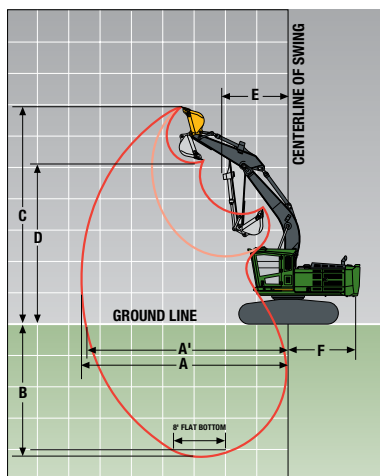


Engine	2654G Road Builder / Processor	
	U.S., U.S. Territories	Rest of World (ROW)
Manufacturer and Model	John Deere PowerTech™ PVS 6.8 L	John Deere PowerTech™ Plus 6.8 L
Non-Road Emission Standards	EPA Final Tier 4/EU Stage IV	EPA Tier 3/EU Stage IIIA
Net Rated Power (ISO 9249)	145 kW (194 hp) at 2,100 rpm	145 kW (194 hp) at 2,100 rpm
Cylinders	6	6
Engine Displacement	6.8 L (415 cu. in.)	6.8 L (415 cu. in.)
Off-Level Capacity	70% (35 deg.)	70% (35 deg.)
Aspiration	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	2.9 km/h (1.8 mph)	
High	4.7 km/h (2.9 mph)	
Drawbar Pull	25 435 kgf (56,075 lbf)	
Hydraulics		
Open center, pilot operated		
Main Pumps	2 variable-displacement pumps	
Maximum Rated Flow x 2	248 L/m (65.5 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)	
Service	5 LEDs (compartment and engine hood)	
Undercarriage		
	<i>2.62-m (8 ft. 7 in.)</i>	<i>2.79-m (9 ft. 2 in.) LC</i>
Rollers (per side)		
Carrier	2	
Track	8	
Shoes, Double Grousers (per side)	45	
Undercarriage Pitch	216 mm (8.5 in.)	

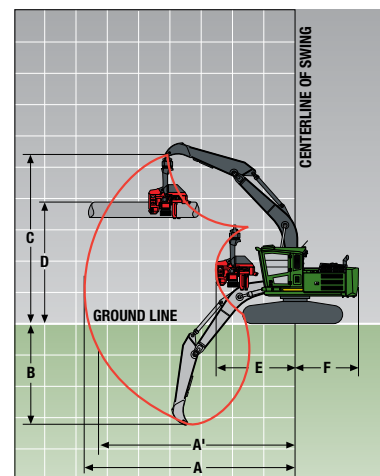


Ground Pressure		2654G Road Builder	2654G Processor		
Undercarriage		2.62-m (8 ft. 7 in.)	2.79-m (9 ft. 2 in.) LC	2.62-m (8 ft. 7 in.)	2.79-m (9 ft. 2 in.) LC
700-mm (28 in.) Double-Grouser Shoes		61.5 kPa (8.92 psi)	56.2 kPa (8.15 psi)	63.5 kPa (9.20 psi)	58.0 kPa (8.41 psi)
Swing Mechanism		2654G Road Builder / Processor			
Swing Speed		10.6 rpm			
Swing Torque		107 869 Nm (79,560 lb.-ft.)			
Operator's Station					
Operator Height from Ground (eye level)					
Side-Entry Forestry Cab		3085 mm (10 ft. 2 in.)			
Rear-Entry Log Loader Cab		4432 mm (14 ft. 6 in.)			
Serviceability					
Refill Capacities					
Fuel Tank		800.0 L (211 gal.)			
Cooling System		23.0 L (6.0 gal.)			
Diesel Exhaust Fluid (DEF) Tank (FT4)		42.4 L (11.2 gal.)			
Engine Crankcase (including filter)		20.0 L (20.6 qt.)			
Hydraulic Tank Oil		136.0 L (36.0 gal.)			
Operating Weights		2654G Road Builder	2654G Processor		
With full fuel tank, 79-kg (175 lb.) operator, side-entry forestry cab, 4551-kg (10,030 lb.) counterweight, 700-mm (28 in.) double-grouser shoes, FT4 engine, and 2.62-m (8 ft. 7 in.) undercarriage; no attachment included					
		<i>EPA Final Tier 4/EU Stage IV</i>	<i>EPA Tier 3/EU Stage IIIA</i>	<i>EPA Final Tier 4/EU Stage IV</i>	<i>EPA Tier 3/EU Stage IIIA</i>
SAE Operating Weight		33 272 kg (73,353 lb.)	33 046 kg (72,853 lb.)	34 317 kg (75,656 lb.)	34 090 kg (75,156 lb.)
Optional Components (add weight)					
Rear-Entry Cab		671 kg (1,480 lb.)		671 kg (1,480 lb.)	
Cab Forward		739 kg (1,630 lb.)		739 kg (1,630 lb.)	
2.79-m (9 ft. 2 in.) LC Undercarriage		790 kg (1,741 lb.)		790 kg (1,741 lb.)	
Operating Dimensions					
With 700-mm (28 in.) shoes, 4551-kg (10,030 lb.) counterweight, full fuel tank, 79-kg (175 lb.) operator, and standard equipment					
		<i>2.95-m (9 ft. 8 in.) Arm; 996-kg (2,195 lb.), 1.06-m³ (1.38 cu. yd.), 1065-mm (42 in.) Bucket</i>		<i>3.40-m (11 ft. 2 in.) Processor Arm</i>	
A	Maximum Reach	10.16 m (33 ft. 4 in.)		8.94 m (29 ft. 4 in.)	
A'	Maximum Reach at Ground Level	9.91 m (32 ft. 6 in.)		8.64 m (28 ft. 4 in.)	
B	Maximum Working Depth	6.25 m (20 ft. 6 in.)		4.85 m (15 ft. 11 in.)	
C	Maximum Working Height	10.64 m (34 ft. 11 in.)		9.88 m (32 ft. 5 in.)	
D	Maximum Log-Level Height	7.95 m (26 ft. 1 in.)		7.47 m (24 ft. 6 in.)	
E	Minimum Swing Radius	3.23 m (10 ft. 7 in.)		2.82 m (9 ft. 3 in.)	
F	Tail Swing Radius	3.15 m (10 ft. 4 in.)		3.15 m (10 ft. 4 in.)	

2654G Road Builder



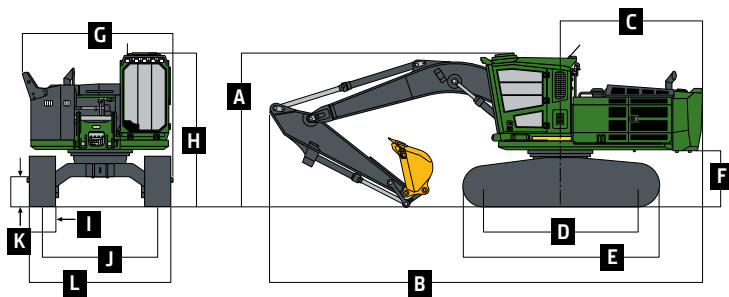
2654G Processor



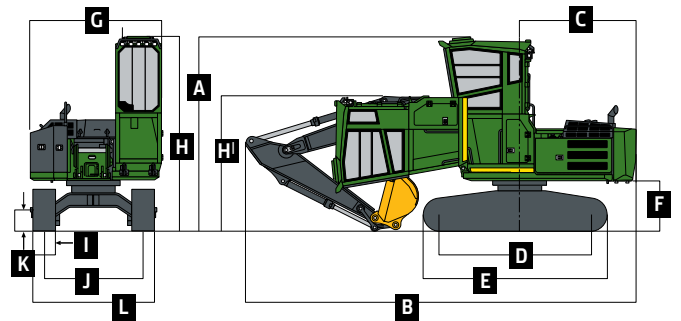
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Machine Dimensions	2654G Road Builder		2654G Processor	
Undercarriage	2.62-m (8 ft. 7 in.)	2.79-m (9 ft. 2 in.) LC	2.62-m (8 ft. 7 in.)	2.79-m (9 ft. 2 in.) LC
A Height (side-entry cab)	3.78 m (12 ft. 5 in.)	3.84 m (12 ft. 7 in.)	3.96 m (13 ft. 0 in.)	3.96 m (13 ft. 0 in.)
B Overall Length	10.16 m (33 ft. 4 in.)	10.16 m (33 ft. 4 in.)	10.21 m (33 ft. 6 in.)	10.21 m (33 ft. 6 in.)
C Rear-End Length / Swing Radius	3.15 m (10 ft. 4 in.)	3.15 m (10 ft. 4 in.)	3.15 m (10 ft. 4 in.)	3.15 m (10 ft. 4 in.)
D Distance Between Idler / Sprocket Centerline	3.73 m (12 ft. 3 in.)	4.06 m (13 ft. 4 in.)	3.73 m (12 ft. 3 in.)	4.06 m (13 ft. 4 in.)
E Undercarriage Length	4.70 m (15 ft. 5 in.)	5.03 m (16 ft. 6 in.)	4.70 m (15 ft. 5 in.)	5.03 m (16 ft. 6 in.)
F Counterweight Clearance	1.40 m (4 ft. 7 in.)	1.45 m (4 ft. 9 in.)	1.40 m (4 ft. 7 in.)	1.45 m (4 ft. 9 in.)
G Upperstructure Width	3.38 m (11 ft. 1 in.)	3.38 m (11 ft. 1 in.)	3.38 m (11 ft. 1 in.)	3.38 m (11 ft. 1 in.)
H Cab Height (side-entry cab)	3.78 m (12 ft. 5 in.)	3.84 m (12 ft. 7 in.)	3.78 m (12 ft. 5 in.)	3.84 m (12 ft. 7 in.)
H ^I Tilted Cab Height (rear-entry cab)	3.71 m (12 ft. 2 in.)	3.76 m (12 ft. 4 in.)	3.71 m (12 ft. 2 in.)	3.76 m (12 ft. 4 in.)
I Track Width with 700-mm (28 in.) Double-Grouser Shoes	0.71 m (28 in.)	0.71 m (28 in.)	0.71 m (28 in.)	0.71 m (28 in.)
J Center of Sprocket to Center of Sprocket	2.62 m (8 ft. 7 in.)	2.79 m (9 ft. 2 in.)	2.62 m (8 ft. 7 in.)	2.79 m (9 ft. 2 in.)
K Ground Clearance	0.71 m (28 in.)	0.76 m (30 in.)	0.71 m (28 in.)	0.76 m (30 in.)
L Undercarriage Width with 700-mm (28 in.) Double-Grouser Shoes	3.33 m (10 ft. 11 in.)	3.53 m (11 ft. 6 in.)	3.33 m (10 ft. 11 in.)	3.53 m (11 ft. 6 in.)

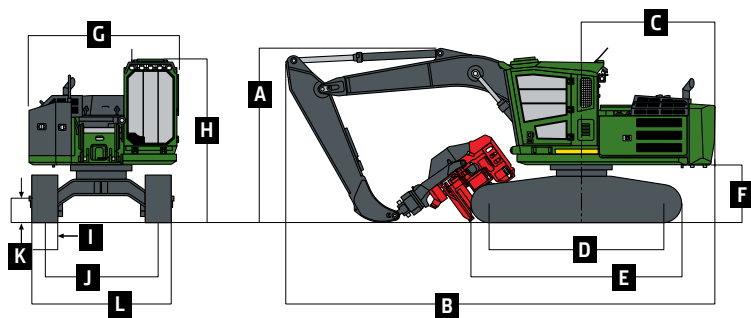
2654G Road Builder – Low Cab



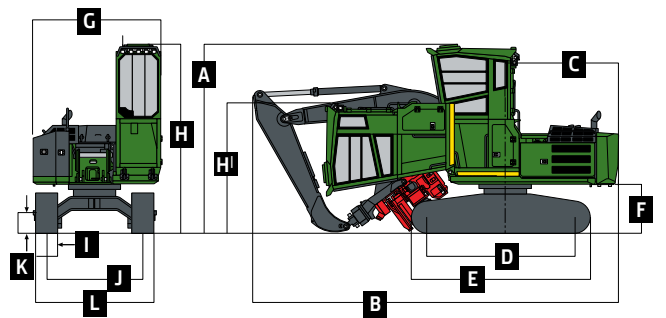
2654G Road Builder – High Cab



2654G Processor – Low Cab



2654G Processor – High Cab



Attachment weight is not included when calculating the lift capacities.

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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 — 2654G Road Builder with 2.79-m (9 ft. 2 in.) LC 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.)	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
7.6 m (25 ft.)					5480	5480		
					(12,070)	(12,070)		
6.1 m (20 ft.)					5720	5720	5490	5490
					(12,610)	(12,610)	(12,090)	(12,090)
4.6 m (15 ft.)	11 490	11 490	7860	7860	6430	6430	5720	5720
	(25,320)	(25,320)	(17,320)	(17,320)	(14,160)	(14,160)	(12,610)	(12,610)
3.1 m (10 ft.)			9820	9820	7330	7330	6140	6140
			(21,640)	(21,640)	(16,170)	(16,170)	(13,540)	(13,540)
1.5 m (5 ft.)			11 250	11 250	8130	8130	6550	6250
			(24,790)	(24,790)	(17,920)	(17,920)	(14,430)	(13,770)
Ground Line	17 240	17 240	11 710	11 710	8550	8290	6750	6130
	(37,990)	(37,990)	(25,810)	(25,810)	(18,850)	(18,270)	(14,870)	(13,500)
-1.5 m (-5 ft.)	16 060	16 060	11 340	11 340	8450	8230	6520	6110
	(35,390)	(35,390)	(25,000)	(25,000)	(18,620)	(18,140)	(14,360)	(13,480)
-3.1 m (-10 ft.)	13 930	13 930	10 150	10 150	7580	7580		
	(30,690)	(30,690)	(22,360)	(22,360)	(16,700)	(16,700)		

Lift Capacity — 2654G Processor with 2.79-m (9 ft. 2 in.) LC 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.)	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
7.6 m (25 ft.)					5090	5090		
					(11,230)	(11,230)		
6.1 m (20 ft.)			5710	5710	5410	5410	5250	5250
			(12,590)	(12,590)	(11,920)	(11,920)	(11,570)	(11,570)
4.6 m (15 ft.)	9960	9960	7330	7330	6170	6170	5570	5570
	(21,960)	(21,960)	(16,150)	(16,150)	(13,610)	(13,610)	(12,280)	(12,280)
3.1 m (10 ft.)	15 830	15 830	9430	9430	7170	7170	6070	6070
	(34,880)	(34,880)	(20,780)	(20,780)	(15,810)	(15,810)	(13,370)	(13,370)
1.5 m (5 ft.)	18 580	18 580	11 150	11 150	8100	8100	6560	6270
	(40,950)	(40,950)	(24,570)	(24,570)	(17,840)	(17,840)	(14,450)	(13,820)
Ground Line	18 410	18 410	11 930	11 930	8670	8310	6870	6130
	(40,580)	(40,580)	(26,300)	(26,300)	(19,120)	(18,320)	(15,140)	(13,510)
-1.5 m (-5 ft.)	17 370	17 370	11 840	11 840	8750	8210	6820	6080
	(38,280)	(38,280)	(26,100)	(26,100)	(19,280)	(18,090)	(15,040)	(13,390)
-3.1 m (-10 ft.)	15 440	15 440	10 910	10 910	8150	8150		
	(34,040)	(34,040)	(24,050)	(24,050)	(17,960)	(17,960)		