

2954D



Engine	2954D Road Builder	2954D Processor	2954D Live Heel	2954D Butt & Top	2954D Power Clam
Manufacturer and Model	John Deere 6068H				
Non-Road Emission Standards	EPA Tier 3/EU Stage IIIA				
Cylinders	6				
Engine Displacement	6.8 L (415 cu. in.)				
Net Peak Power (ISO 9249)	145 kW (194 hp)				
Off-Level Capacity	100% (45 deg.)				
Aspiration	Turbocharged, air-to-air charge air cooler				
Cooling					
Fan Drive	Cool-on-demand hydraulic-driven, suction-type, remote-mounted drive				
Engine Coolant Rating	-37 deg. C (-34 deg. F)				
Powertrain					
2-speed propel with automatic shift					
Maximum Travel Speed					
Low	1.6 km/h (1.0 mph)				
High	4.0 km/h (2.5 mph)				
Controls	Pilot levers, low effort; hydraulic pilot with shutoff lever				
Hydraulics					
Open center, load sensing					
Main Pumps					
Maximum Rated Flow x 2	248 L/m (65.5 gpm)				
Pilot Pump (one gear)					
Maximum Rated Flow	37 L/m (9.7 gpm)				
System Relief Pressure	3900 kPa (566 psi)				
Secondary Pump (one gear)					
Maximum Rated Flow	37 L/m (9.7 gpm)				
System Relief Pressure	20 600 kPa (2,988 psi)				
System Operating Pressure					
Implement Circuits	34 336 kPa (4,980 psi)				
Travel Circuits	34 336 kPa (4,980 psi)				
Swing Circuits	32 405 kPa (4,700 psi)				
Power Boost	36 266 kPa (5,260 psi)				
Auxiliary Hydraulic Flow	Adjustable through monitor				
Cylinders					
Heat-treated, chrome-plated, polished cylinder rods; hardened steel (replaceable bushings) pivot pins					
Boom (2)					
Bore	135 mm (5.3 in.)	135 mm (5.3 in.)	150 mm (5.9 in.)	150 mm (5.9 in.)	150 mm (5.9 in.)
Rod Diameter	95 mm (3.7 in.)	95 mm (3.7 in.)	105 mm (4.1 in.)	105 mm (4.1 in.)	105 mm (4.1 in.)
Stroke	1360 mm (53.5 in.)	1360 mm (53.5 in.)	1307 mm (51.5 in.)	1307 mm (51.5 in.)	1307 mm (51.5 in.)
Arm (1)					
Bore	150 mm (5.9 in.)	150 mm (5.9 in.)	170 mm (6.7 in.)	170 mm (6.7 in.)	170 mm (6.7 in.)
Rod Diameter	105 mm (4.1 in.)	105 mm (4.1 in.)	115 mm (4.5 in.)	115 mm (4.5 in.)	115 mm (4.5 in.)
Stroke	1659 mm (65.3 in.)	1659 mm (65.3 in.)	1740 mm (68.5 in.)	1740 mm (68.5 in.)	1740 mm (68.5 in.)
Bucket (1)					
Bore	135 mm (5.3 in.)	N/A	N/A	N/A	N/A
Rod Diameter	90 mm (3.5 in.)	N/A	N/A	N/A	N/A
Stroke	1070 mm (42.1 in.)	N/A	N/A	N/A	N/A
Heel (1)					
Bore	N/A	N/A	135 mm (5.3 in.)	N/A	N/A
Rod Diameter	N/A	N/A	90 mm (3.5 in.)	N/A	N/A
Stroke	N/A	N/A	1070 mm (42.1 in.)	N/A	N/A
Tilt (1)					
Bore	N/A	N/A	N/A	115 mm (4.5 in.)	115 mm (4.5 in.)
Rod Diameter	N/A	N/A	N/A	80 mm (3.1 in.)	80 mm (3.1 in.)
Stroke	N/A	N/A	N/A	1060 mm (41.7 in.)	1060 mm (41.7 in.)

Specifications are subject to change without notice.



Electrical	2954D Road Builder	2954D Processor	2954D Live Heel	2954D Butt & Top	2954D Power Clam
Voltage	24 volt				
Batteries	2 x 12 volt				
Reserve Capacity	440 min.				
Alternator Rating	80 amp				
Undercarriage					
Carrier Rollers (per side)	2				
Track Rollers (per side)	9				
Shoes, Double Grousers (per side)	48				
Drawbar Pull	30 812 kg (67,929 lb.)				
Track Adjustment	Hydraulic				
Track Guides	Front and center				
Upperstructure					
Counterweight, Standard	5140 kg (11,332 lb.)	5140 kg (11,332 lb.)	7510 kg (16,557 lb.)	7510 kg (16,557 lb.)	7510 kg (16,557 lb.)
Swing Mechanism					
Swing Speed	8.7 rpm	8.7 rpm	8.7 rpm	8.7 rpm	8.7 rpm
Swing Torque	111 194 Nm (81,950 lb.-ft.)	111 194 Nm (81,950 lb.-ft.)	111 194 Nm (81,950 lb.-ft.)	111 194 Nm (81,950 lb.-ft.)	111 194 Nm (81,950 lb.-ft.)
Ground Pressure					
700-mm (28 in.) Double-Grouser Shoes	55.0 kPa (7.98 psi)	59.3 kPa (8.59 psi)	65.9 kPa (9.56 psi)	66.0 kPa (9.57 psi)	66.0 kPa (9.57 psi)
Refill Capacities					
Fuel Tank	1050.0 L (277.0 gal.)	1050.0 L (277.0 gal.)	1050.0 L (277.0 gal.)	1050.0 L (277.0 gal.)	1050.0 L (277.0 gal.)
Cooling System	29.9 L (8.0 gal.)	29.9 L (8.0 gal.)	31.0 L (8.0 gal.)	31.0 L (8.0 gal.)	31.0 L (8.0 gal.)
Engine Oil with Filter	24.6 L (7.0 gal.)	24.6 L (7.0 gal.)	24.6 L (7.0 gal.)	24.6 L (7.0 gal.)	24.6 L (7.0 gal.)
Hydraulic Tank	148.0 L (39.0 gal.)	148.0 L (39.0 gal.)	148.0 L (39.0 gal.)	148.0 L (39.0 gal.)	148.0 L (39.0 gal.)
Hydraulic System	280.0 L (74.0 gal.)	280.0 L (74.0 gal.)	310.0 L (82.0 gal.)	310.0 L (82.0 gal.)	310.0 L (82.0 gal.)
Propel Gearbox (each)	8.5 L (9.0 qt.)	8.5 L (9.0 qt.)	8.5 L (9.0 qt.)	8.5 L (9.0 qt.)	8.5 L (9.0 qt.)
Swing Gearbox	17.0 L (18.0 qt.)	17.0 L (18.0 qt.)	17.0 L (18.0 qt.)	17.0 L (18.0 qt.)	17.0 L (18.0 qt.)
Pump Drive Gearbox	1.1 L (1.2 qt.)	1.1 L (1.2 qt.)	1.1 L (1.2 qt.)	1.1 L (1.2 qt.)	1.1 L (1.2 qt.)
Operating Weights					
With 840-kg (1,818 lb.) full fuel tank, 79-kg (175 lb.) operator, and 700-mm (28 in.) double-grouser shoes					
	5140-kg (11,332 lb.) counterweight; 1.34-m ³ (1.75 cu. yd.), 1065-mm (42 in.), 1034-kg (2,279 lb.) bucket; and 3.11-m (10 ft. 2 in.) arm	5140-kg (11,332 lb.) counterweight and 3450-kg (7,600 lb.) processor head	7510-kg (16,557 lb.) counterweight and 1090-kg (2,400 lb.) grapple	7510-kg (16,557 lb.) counterweight and 2267-kg (5,000 lb.) grapple	7510-kg (16,557 lb.) counterweight and 2267-kg (5,000 lb.) grapple
SAE Operating Weight	34 253 kg (75,515 lb.)	36 900 kg (81,351 lb.)	41 050 kg (90,500 lb.)	41 100 kg (90,610 lb.)	41 100 kg (90,610 lb.)

Lift Capacity — 2954D Road Builder with 3.11-m (10 ft. 2 in.) arm, 1034-kg (2,279 lb.) bucket, and 700-mm (28 in.) shoes

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	Over front	Over side	Over front	Over side	Over front	Over side
6.1 m (20 ft.)							4586 kg (10,110 lb.)	4586 kg (10,110 lb.)		
4.6 m (15 ft.)					5334 kg (11,760 lb.)	5334 kg (11,760 lb.)	4990 kg (11,000 lb.)	4980 kg (10,980 lb.)	3788 kg (8,350 lb.)	3529 kg (7,780 lb.)
3.1 m (10 ft.)			9290 kg (20,480 lb.)	9290 kg (20,480 lb.)	6786 kg (14,960 lb.)	6786 kg (14,960 lb.)	5715 kg (12,600 lb.)	4758 kg (10,490 lb.)	5230 kg (11,530 lb.)	3443 kg (7,590 lb.)
1.5 m (5 ft.)			12 388 kg (27,310 lb.)	9789 kg (21,580 lb.)	8310 kg (18,320 lb.)	6405 kg (14,120 lb.)	6545 kg (14,430 lb.)	4527 kg (9,980 lb.)	5647 kg (12,450 lb.)	3325 kg (7,330 lb.)
Ground Line			12 973 kg (28,600 lb.)	9403 kg (20,730 lb.)	9421 kg (20,770 lb.)	6096 kg (13,440 lb.)	7239 kg (15,960 lb.)	4336 kg (9,560 lb.)	5561 kg (12,260 lb.)	3230 kg (7,120 lb.)
-1.5 m (-5 ft.)	6559 kg (14,460 lb.)	6559 kg (14,460 lb.)	13 730 kg (30,270 lb.)	9340 kg (20,590 lb.)	9925 kg (21,880 lb.)	5956 kg (13,130 lb.)	7317 kg (16,130 lb.)	4237 kg (9,340 lb.)	5516 kg (12,160 lb.)	3189 kg (7,030 lb.)
-3.1 m (-10 ft.)	10 564 kg (23,290 lb.)	10 564 kg (23,290 lb.)	13 186 kg (29,070 lb.)	9417 kg (20,760 lb.)	9784 kg (21,570 lb.)	5956 kg (13,130 lb.)	7312 kg (16,120 lb.)	4232 kg (9,330 lb.)		
-4.6 m (-15 ft.)	13 381 kg (29,500 lb.)	13 381 kg (29,500 lb.)	11 703 kg (25,800 lb.)	9630 kg (21,230 lb.)	8809 kg (19,420 lb.)	6087 kg (13,420 lb.)				

Lift Capacity — 2954D Processor with processor arm, 3450-kg (7,600 lb.) attachment, and 700-mm (28 in.) shoes

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	Over front	Over side	Over front	Over side	Over front	Over side
9.1 m (30 ft.)					2449 kg (5,400 lb.)	2449 kg (5,400 lb.)				
7.6 m (25 ft.)					2223 kg (4,900 lb.)	2223 kg (4,900 lb.)	1814 kg (4,000 lb.)	1814 kg (4,000 lb.)		
6.1 m (20 ft.)					2722 kg (6,000 lb.)	2722 kg (6,000 lb.)	2722 kg (6,000 lb.)	2722 kg (6,000 lb.)		
4.6 m (15 ft.)	7348 kg (16,200 lb.)	7348 kg (16,200 lb.)	4808 kg (10,600 lb.)	4808 kg (10,600 lb.)	3765 kg (8,300 lb.)	3765 kg (8,300 lb.)	3221 kg (7,100 lb.)	3221 kg (7,100 lb.)	1588 kg (3,500 lb.)	1588 kg (3,500 lb.)
3.1 m (10 ft.)	15 059 kg (33,200 lb.)	15 059 kg (33,200 lb.)	7575 kg (16,700 lb.)	7575 kg (16,700 lb.)	5126 kg (11,300 lb.)	5126 kg (11,300 lb.)	3946 kg (8,700 lb.)	3946 kg (8,700 lb.)	2994 kg (6,600 lb.)	2994 kg (6,600 lb.)
1.5 m (5 ft.)	19 006 kg (41,900 lb.)	19 006 kg (41,900 lb.)	9979 kg (22,000 lb.)	9979 kg (22,000 lb.)	6396 kg (14,100 lb.)	6396 kg (14,100 lb.)	4672 kg (10,300 lb.)	4355 kg (9,600 lb.)	3674 kg (8,100 lb.)	2858 kg (6,300 lb.)
Ground Line	19 323 kg (42,600 lb.)	19 323 kg (42,600 lb.)	11 249 kg (24,800 lb.)	11 204 kg (24,700 lb.)	7348 kg (16,200 lb.)	6577 kg (14,500 lb.)	5262 kg (11,600 lb.)	4218 kg (9,300 lb.)	3039 kg (6,700 lb.)	2812 kg (6,200 lb.)
-1.5 m (-5 ft.)	18 597 kg (41,000 lb.)	18 597 kg (41,000 lb.)	11 567 kg (25,500 lb.)	11 113 kg (24,500 lb.)	7757 kg (17,100 lb.)	6486 kg (14,300 lb.)	5534 kg (12,200 lb.)	4128 kg (9,100 lb.)		
-3.1 m (-10 ft.)	16 783 kg (37,000 lb.)	16 783 kg (37,000 lb.)	10 977 kg (24,200 lb.)	10 977 kg (24,200 lb.)	7484 kg (16,500 lb.)	6486 kg (14,300 lb.)	5171 kg (11,400 lb.)	4173 kg (9,200 lb.)		
-4.6 m (-15 ft.)	14 288 kg (31,500 lb.)	14 288 kg (31,500 lb.)	9344 kg (20,600 lb.)	9344 kg (20,600 lb.)	6124 kg (13,500 lb.)	6124 kg (13,500 lb.)				

Attachment weight is included when calculating the lift capacities.

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

Lift Capacity — 2954D Live Heel with 1090-kg (2,400 lb.) grapple and 700-mm (28 in.) shoes												
Load Point Height	4.6 m (15 ft.)		6.1 m (20 ft.)		7.6 m (25 ft.)		9.1 m (30 ft.)		10.7 m (35 ft.)		12.2 m (40 ft.)	
	Over front	Over side	Over front	Over side	Over front	Over side	Over front	Over side	Over front	Over side	Over front	Over side
13.7 m (45 ft.)	12 474 kg (27,500 lb.)	12 474 kg (27,500 lb.)										
12.2 m (40 ft.)	11 884 kg (26,200 lb.)	11 884 kg (26,200 lb.)	10 433 kg (23,000 lb.)	10 342 kg (22,800 lb.)								
10.7 m (35 ft.)			8891 kg (19,600 lb.)	8891 kg (19,600 lb.)	8029 kg (17,700 lb.)	7348 kg (16,200 lb.)	6895 kg (15,200 lb.)	5489 kg (12,100 lb.)				
9.1 m (30 ft.)			8573 kg (18,900 lb.)	8573 kg (18,900 lb.)	7620 kg (16,800 lb.)	7620 kg (16,800 lb.)	6849 kg (15,100 lb.)	5216 kg (11,500 lb.)				
7.6 m (25 ft.)			8709 kg (19,200 lb.)	8709 kg (19,200 lb.)	7666 kg (16,900 lb.)	7666 kg (16,900 lb.)	6759 kg (14,900 lb.)	5443 kg (12,000 lb.)	5851 kg (12,900 lb.)	4173 kg (9,200 lb.)		
6.1 m (20 ft.)			9389 kg (20,700 lb.)	9389 kg (20,700 lb.)	7983 kg (17,600 lb.)	7802 kg (17,200 lb.)	6895 kg (15,200 lb.)	5443 kg (12,000 lb.)	5851 kg (12,900 lb.)	4037 kg (8,900 lb.)		
4.6 m (15 ft.)			10 387 kg (22,900 lb.)	10 387 kg (22,900 lb.)	8528 kg (18,800 lb.)	7575 kg (16,700 lb.)	7076 kg (15,600 lb.)	5352 kg (11,800 lb.)	5897 kg (13,000 lb.)	4037 kg (8,900 lb.)	6700 kg (10,100 lb.)	3039 kg (6,700 lb.)
3.1 m (10 ft.)			10 977 kg (24,200 lb.)	10 977 kg (24,200 lb.)	9027 kg (19,900 lb.)	7258 kg (16,000 lb.)	7258 kg (16,000 lb.)	5216 kg (11,500 lb.)	5851 kg (12,900 lb.)	3992 kg (8,800 lb.)	4536 kg (10,000 lb.)	2994 kg (6,600 lb.)
1.5 m (5 ft.)					9344 kg (20,600 lb.)	6985 kg (15,400 lb.)	7348 kg (16,200 lb.)	5171 kg (11,400 lb.)	5761 kg (12,700 lb.)	3901 kg (8,600 lb.)	4355 kg (9,600 lb.)	2948 kg (6,500 lb.)
Ground Line			12 247 kg (27,000 lb.)	9707 kg (21,400 lb.)	9253 kg (20,400 lb.)	6804 kg (15,000 lb.)	7212 kg (15,900 lb.)	4990 kg (11,000 lb.)	5579 kg (12,300 lb.)	3765 kg (8,300 lb.)	3583 kg (7,900 lb.)	2903 kg (6,400 lb.)
-1.5 m (-5 ft.)			11 249 kg (24,800 lb.)	9389 kg (20,700 lb.)	8618 kg (19,000 lb.)	6577 kg (14,500 lb.)	6623 kg (14,600 lb.)	4853 kg (10,700 lb.)	4853 kg (10,700 lb.)	3719 kg (8,200 lb.)		
-3.1 m (-10 ft.)			9117 kg (20,100 lb.)	9117 kg (20,100 lb.)	7212 kg (15,900 lb.)	6486 kg (14,300 lb.)	5398 kg (11,900 lb.)	4808 kg (10,600 lb.)	3357 kg (7,400 lb.)	3357 kg (7,400 lb.)		

Lift Capacity — 2954D Butt & Top with 2267-kg (5,000 lb.) grapple and 700-mm (28 in.) shoes												
Load Point Height	4.6 m (15 ft.)		6.1 m (20 ft.)		7.6 m (25 ft.)		9.1 m (30 ft.)		10.7 m (35 ft.)			
	Over front	Over side	Over front	Over side	Over front	Over side	Over front	Over side	Over front	Over side	Over front	Over side
12.2 m (40 ft.)	13 154 kg (29,000 lb.)	13 154 kg (29,000 lb.)										
10.7 m (35 ft.)	10 977 kg (24,200 lb.)	10 977 kg (24,200 lb.)	9253 kg (20,400 lb.)	9253 kg (20,400 lb.)								
9.1 m (30 ft.)			8664 kg (19,100 lb.)	8664 kg (19,100 lb.)	7620 kg (16,800 lb.)	7121 kg (15,700 lb.)						
7.6 m (25 ft.)			8709 kg (19,200 lb.)	8709 kg (19,200 lb.)	7530 kg (16,600 lb.)	7167 kg (15,800 lb.)	6532 kg (14,400 lb.)	4853 kg (10,700 lb.)				
6.1 m (20 ft.)	11 476 kg (25,300 lb.)	11 476 kg (25,300 lb.)	9253 kg (20,400 lb.)	9253 kg (20,400 lb.)	7757 kg (17,100 lb.)	7031 kg (15,500 lb.)	6532 kg (14,400 lb.)	4808 kg (10,600 lb.)				
4.6 m (15 ft.)	13 426 kg (29,600 lb.)	13 426 kg (29,600 lb.)	10 161 kg (22,400 lb.)	10 161 kg (22,400 lb.)	8165 kg (18,000 lb.)	6804 kg (15,000 lb.)	6668 kg (14,700 lb.)	4717 kg (10,400 lb.)	5126 kg (11,300 lb.)	3311 kg (7,300 lb.)		
3.1 m (10 ft.)			11 113 kg (24,500 lb.)	9707 kg (21,400 lb.)	8528 kg (18,800 lb.)	6486 kg (14,300 lb.)	6759 kg (14,900 lb.)	4581 kg (10,100 lb.)	5080 kg (11,200 lb.)	3266 kg (7,200 lb.)		
1.5 m (5 ft.)			11 657 kg (25,700 lb.)	9163 kg (20,200 lb.)	8664 kg (19,100 lb.)	6214 kg (13,700 lb.)	6623 kg (14,600 lb.)	4400 kg (9,700 lb.)	4745 kg (10,460 lb.)	3175 kg (7,000 lb.)		
Ground Line	15 921 kg (35,100 lb.)	14 243 kg (31,400 lb.)	11 295 kg (24,900 lb.)	8800 kg (19,400 lb.)	8346 kg (18,400 lb.)	5987 kg (13,200 lb.)	6124 kg (13,500 lb.)	4309 kg (9,500 lb.)	3810 kg (8,400 lb.)	3175 kg (7,000 lb.)		
-1.5 m (-5 ft.)	13 472 kg (29,700 lb.)	13 472 kg (29,700 lb.)	9934 kg (21,900 lb.)	8573 kg (18,900 lb.)	7258 kg (16,000 lb.)	5851 kg (12,900 lb.)	4990 kg (11,000 lb.)	4218 kg (9,300 lb.)				
-3.1 m (-10 ft.)	9707 kg (21,400 lb.)	9707 kg (21,400 lb.)	7439 kg (16,400 lb.)	7439 kg (16,400 lb.)	5216 kg (11,500 lb.)	5216 kg (11,500 lb.)						

Attachment weight is included when calculating the lift capacities.

Boldface type indicates hydraulic-limited capacities with power boost; lightface type indicates stability-limited capacities.

Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine.

Lift Capacity — 2954D Power Clam with 2267-kg (5,000 lb.) grapple and 700-mm (28 in.) shoes

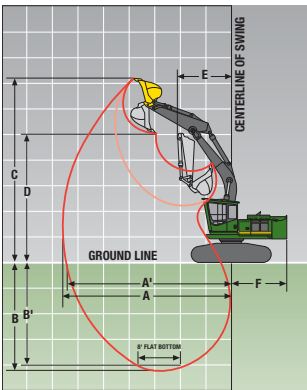
Load Point Height	4.6 m (15 ft.)		6.1 m (20 ft.)		7.6 m (25 ft.)		9.1 m (30 ft.)		10.7 m (35 ft.)	
	Over front	Over side	Over front	Over side	Over front	Over side	Over front	Over side	Over front	Over side
12.2 m (40 ft.)	13 154 kg (29,000 lb.)	13 154 kg (29,000 lb.)								
10.7 m (35 ft.)	10 977 kg (24,200 lb.)	10 977 kg (24,200 lb.)	9253 kg (20,400 lb.)	9253 kg (20,400 lb.)						
9.1 m (30 ft.)			8664 kg (19,100 lb.)	8664 kg (19,100 lb.)	7620 kg (16,800 lb.)	7121 kg (15,700 lb.)				
7.6 m (25 ft.)			8709 kg (19,200 lb.)	8709 kg (19,200 lb.)	7530 kg (16,600 lb.)	7167 kg (15,800 lb.)	6532 kg (14,400 lb.)	4853 kg (10,700 lb.)		
6.1 m (20 ft.)	11 476 kg (25,300 lb.)	11 476 kg (25,300 lb.)	9253 kg (20,400 lb.)	9253 kg (20,400 lb.)	7757 kg (17,100 lb.)	7031 kg (15,500 lb.)	6532 kg (14,400 lb.)	4808 kg (10,600 lb.)		
4.6 m (15 ft.)	13 426 kg (29,600 lb.)	13 426 kg (29,600 lb.)	10 161 kg (22,400 lb.)	10 161 kg (22,400 lb.)	8165 kg (18,000 lb.)	6804 kg (15,000 lb.)	6668 kg (14,700 lb.)	4717 kg (10,400 lb.)	5126 kg (11,300 lb.)	3311 kg (7,300 lb.)
3.1 m (10 ft.)			11 113 kg (24,500 lb.)	9707 kg (21,400 lb.)	8528 kg (18,800 lb.)	6486 kg (14,300 lb.)	6759 kg (14,900 lb.)	4581 kg (10,100 lb.)	5080 kg (11,200 lb.)	3266 kg (7,200 lb.)
1.5 m (5 ft.)			11 657 kg (25,700 lb.)	9163 kg (20,200 lb.)	8664 kg (19,100 lb.)	6214 kg (13,700 lb.)	6623 kg (14,600 lb.)	4400 kg (9,700 lb.)	4745 kg (10,460 lb.)	3175 kg (7,000 lb.)
Ground Line	15 921 kg (35,100 lb.)	14 243 kg (31,400 lb.)	11 295 kg (24,900 lb.)	8800 kg (19,400 lb.)	8346 kg (18,400 lb.)	5987 kg (13,200 lb.)	6124 kg (13,500 lb.)	4309 kg (9,500 lb.)	3810 kg (8,400 lb.)	3175 kg (7,000 lb.)
-1.5 m (-5 ft.)	13 472 kg (29,700 lb.)	13 472 kg (29,700 lb.)	9934 kg (21,900 lb.)	8573 kg (18,900 lb.)	7258 kg (16,000 lb.)	5851 kg (12,900 lb.)	4990 kg (11,000 lb.)	4218 kg (9,300 lb.)		
-3.1 m (-10 ft.)	9707 kg (21,400 lb.)	9707 kg (21,400 lb.)	7439 kg (16,400 lb.)	7439 kg (16,400 lb.)	5216 kg (11,500 lb.)	5216 kg (11,500 lb.)				

Attachment weight is included when calculating the lift capacities.

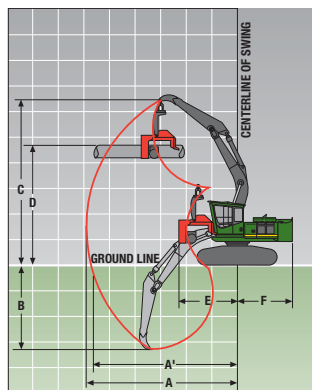
Boldface type indicates hydraulic-limited capacities with power boost; lightface type indicates stability-limited capacities. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine.

Operating Dimensions	2954D Road Builder	2954D Processor	2954D Live Heel	2954D Butt & Top	2954D Power Clam
Arm Length	3.11 m (10 ft. 2 in.)	3.58 m (11 ft. 9 in.)	N/A	N/A	N/A
Arm Force (with 700-mm [28 in.] double-grouser shoes and power boost)	131.3 kN (29,517 lb.)	N/A	N/A	N/A	N/A
Bucket Digging Force (with 700-mm [28 in.] double-grouser shoes and power boost)	166.7 kN (37,478 lb.)	N/A	N/A	N/A	N/A
Lifting Capacity Over Front at Ground Level, 6.1-m (20 ft.) Reach (with power boost) and Attachment	9422 kg (20,772 lb.)	7348 kg (16,200 lb.)	12 260 kg (27,029 lb.)	11 295 kg (24,900 lb.)	11 295 kg (24,900 lb.)
A Maximum Reach	10.65 m (34 ft. 11 in.)	9.37 m (30 ft. 9 in.)	12.60 m (41 ft. 4 in.)	11.12 m (36 ft. 6 in.)	11.12 m (36 ft. 6 in.)
A' Maximum Reach at Ground Level	10.41 m (34 ft. 2 in.)	9.09 m (29 ft. 10 in.)	12.39 m (40 ft. 8 in.)	11.01 m (36 ft. 2 in.)	11.01 m (36 ft. 2 in.)
B Maximum Depth	6.70 m (22 ft. 0 in.)	4.97 m (16 ft. 4 in.)	5.05 m (16 ft. 7 in.)	3.59 m (11 ft. 9 in.)	3.59 m (11 ft. 9 in.)
C Maximum Height	10.87 m (35 ft. 8 in.)	N/A	14.54 m (47 ft. 9 in.)	13.12 m (43 ft. 0 in.)	13.12 m (43 ft. 0 in.)
D Maximum Dumping Height	7.93 m (26 ft. 0 in.)	N/A	N/A	N/A	N/A
Maximum Log-Level Height	N/A	7.62 m (25 ft. 0 in.)	9.31 m (30 ft. 6 in.)	10.35 m (33 ft. 11 in.)	8.97 m (29 ft. 5 in.)
E Minimum Swing Radius	3.52 m (11 ft. 7 in.)	3.53 m (11 ft. 7 in.)	4.92 m (16 ft. 2 in.)	5.03 m (16 ft. 6 in.)	5.03 m (16 ft. 6 in.)
F Tail Swing Radius	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)	3.36 m (11 ft. 0 in.)	3.36 m (11 ft. 0 in.)	3.36 m (11 ft. 0 in.)

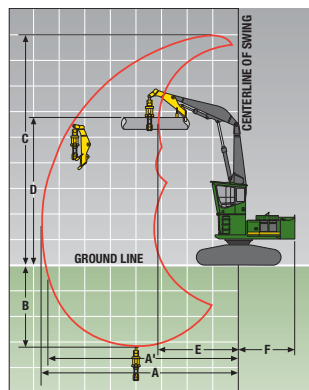
2954D Road-Builder Envelope



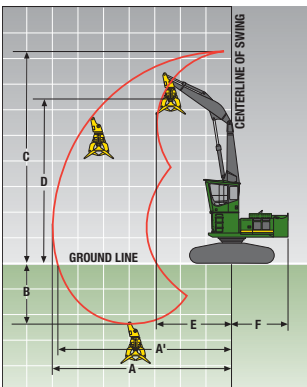
2954D Processor Envelope



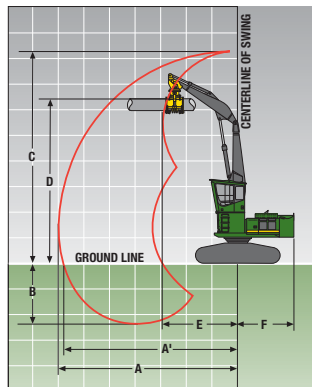
2954D Live-Heel Envelope



2954D Butt & Top Envelope

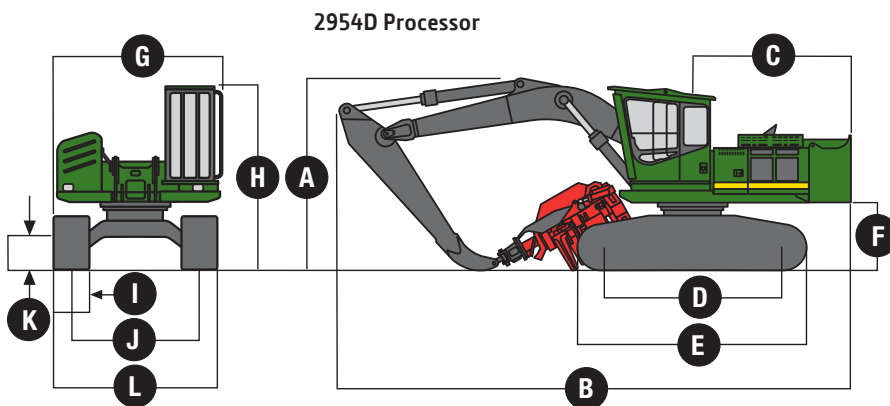
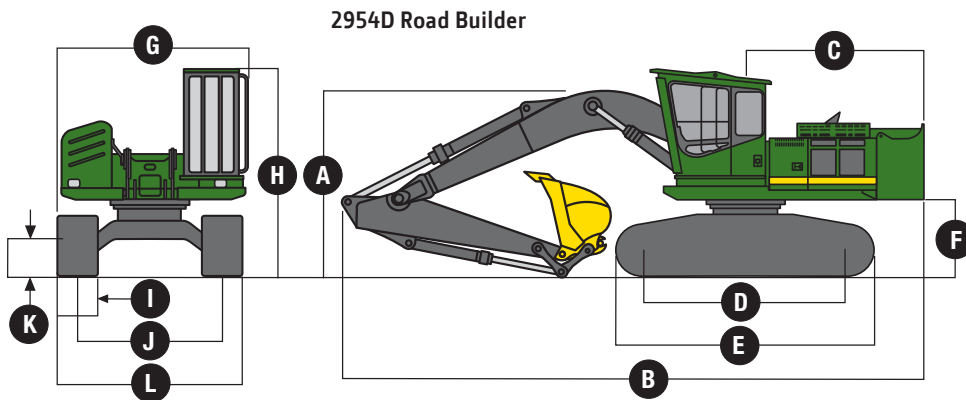


2954D Power-Clam Envelope



Machine not exactly as shown. Illustrations for dimensioning purposes only.

Machine Dimensions	2954D Road Builder	2954D Processor	2954D Live Heel	2954D Butt & Top	2954D Power Clam
A Height	3.82 m (12 ft. 6 in.)	4.01 m (13 ft. 2 in.)	N/A	N/A	N/A
B Overall Length	10.86 m (35 ft. 8 in.)	10.77 m (35 ft. 4 in.)	51.21 m (49 ft. 11 in.)	15.09 m (49 ft. 6 in.)	15.09 m (49 ft. 6 in.)
C Rear-End Length / Swing Radius	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)
D Distance Between Idler / Sprocket Centerline	4.05 m (13 ft. 4 in.)	4.05 m (13 ft. 4 in.)	4.05 m (13 ft. 4 in.)	4.05 m (13 ft. 4 in.)	4.05 m (13 ft. 4 in.)
E Undercarriage Length	5.01 m (16 ft. 5 in.)	5.01 m (16 ft. 5 in.)	5.01 m (16 ft. 5 in.)	5.01 m (16 ft. 5 in.)	5.01 m (16 ft. 5 in.)
F Counterweight Clearance	1.49 m (4 ft. 11 in.)	1.49 m (4 ft. 11 in.)	1.49 m (4 ft. 11 in.)	1.49 m (4 ft. 11 in.)	1.49 m (4 ft. 11 in.)
G Upperstructure Width	3.43 m (11 ft. 3 in.)	3.43 m (11 ft. 3 in.)	3.43 m (11 ft. 3 in.)	3.43 m (11 ft. 3 in.)	3.43 m (11 ft. 3 in.)
H Cab Height	3.85 m (12 ft. 8 in.)	3.85 m (12 ft. 8 in.)	3.55 m (11 ft. 8 in.)	3.55 m (11 ft. 8 in.)	3.55 m (11 ft. 8 in.)
I Track Width (with 700-mm [28 in.] double-grouser shoes)	0.70 m (2 ft. 4 in.)	0.70 m (2 ft. 4 in.)	0.70 m (2 ft. 4 in.)	0.70 m (2 ft. 4 in.)	0.70 m (2 ft. 4 in.)
J Gauge Width	2.69 m (8 ft. 10 in.)	2.69 m (8 ft. 10 in.)	2.92 m (9 ft. 7 in.)	2.92 m (9 ft. 7 in.)	2.92 m (9 ft. 7 in.)
K Ground Clearance	0.71 m (2 ft. 4 in.)	0.71 m (2 ft. 4 in.)	0.78 m (2 ft. 7 in.)	0.78 m (2 ft. 7 in.)	0.78 m (2 ft. 7 in.)
L Undercarriage Width	3.39 m (11 ft. 2 in.)	3.39 m (11 ft. 2 in.)	3.62 m (11 ft. 11 in.)	3.62 m (11 ft. 11 in.)	3.62 m (11 ft. 11 in.)



Machine not exactly as shown. Illustrations for dimensioning purposes only.

