

# 2454D



Engine	2454D Road Builder	2454D Processor	2454D Live Heel	2454D Butt & Top	2454D 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				
<b>Cooling</b>					
Fan Drive	Cool-on-demand hydraulic-driven, suction-type, remote-mounted drive				
Engine Coolant Rating	-37 deg. C (-34 deg. F)				
<b>Powertrain</b>					
2-speed propel with automatic shift					
Maximum Travel Speed					
Low	3.3 km/h (2.1 mph)				
High	5.5 km/h (3.4 mph)				
Controls	Pilot levers, low effort; hydraulic pilot with shutoff lever				
<b>Hydraulics</b>					
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				
<b>Cylinders</b>					
Heat-treated, chrome-plated, polished cylinder rods; hardened steel (replaceable bushings) pivot pins					
Boom (2)					
Bore	125 mm (4.9 in.)	125 mm (4.9 in.)	140 mm (5.5 in.)	140 mm (5.5 in.)	140 mm (5.5 in.)
Rod Diameter	90 mm (3.5 in.)	90 mm (3.5 in.)	100 mm (3.9 in.)	100 mm (3.9 in.)	100 mm (3.9 in.)
Stroke	1390 mm (54.7 in.)	1390 mm (54.7 in.)	1340 mm (52.8 in.)	1340 mm (52.8 in.)	1340 mm (52.8 in.)
Arm (1)					
Bore	140 mm (5.5 in.)	140 mm (5.5 in.)	170 mm (6.7 in.)	170 mm (6.7 in.)	170 mm (6.7 in.)
Rod Diameter	100 mm (3.9 in.)	100 mm (3.9 in.)	115 mm (4.5 in.)	115 mm (4.5 in.)	115 mm (4.5 in.)
Stroke	1610 mm (63.4 in.)	1610 mm (63.4 in.)	1740 mm (68.5 in.)	1740 mm (68.5 in.)	1740 mm (68.5 in.)
Bucket (1)					
Bore	130 mm (5.1 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	1075 mm (42.3 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	2454D Road Builder	2454D Processor	2454D Live Heel	2454D Butt & Top	2454D Power Clam
Voltage	24 volt				
Batteries	2 x 12 volt				
Reserve Capacity	440 min.				
Alternator Rating	80 amp				
<b>Undercarriage</b>					
Carrier Rollers (per side)	2				
Track Rollers (per side)	8				
Shoes, Double Grousers (per side)	45				
Drawbar Pull	25 435 kg (56,075 lb.)				
Track Adjustment	Hydraulic				
Track Guides	Front and center				
<b>Upperstructure</b>					
Counterweight, Standard	4823 kg (10,633 lb.)	4823 kg (10,633 lb.)	5140 kg (11,332 lb.)	5140 kg (11,332 lb.)	5140 kg (11,332 lb.)
<b>Swing Mechanism</b>					
Swing Speed	12.6 rpm	12.6 rpm	10.6 rpm	10.6 rpm	10.6 rpm
Swing Torque	77 140 Nm (56,896 lb.-ft.)	77 140 Nm (56,896 lb.-ft.)	107 869 Nm (79,560 lb.-ft.)	107 869 Nm (79,560 lb.-ft.)	107 869 Nm (79,560 lb.-ft.)
<b>Ground Pressure</b>					
700-mm (28 in.) Double-Grouser Shoes	53.8 kPa (7.80 psi)	57.7 kPa (8.37 psi)	60.8 kPa (8.82 psi)	61.0 kPa (8.85 psi)	61.0 kPa (8.85 psi)
<b>Refill Capacities</b>					
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	11.8 L (12.5 qt.)	11.8 L (12.5 qt.)	11.8 L (12.5 qt.)	11.8 L (12.5 qt.)	11.8 L (12.5 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.)
<b>Operating Weights</b>					
With 840-kg (1,818 lb.) full fuel tank, 79-kg (175 lb.) operator, and 700-mm (28 in.) double-grouser shoes					
	4823-kg (10,633 lb.) counterweight; 1.06-m <sup>3</sup> (1.38 cu. yd.), 1065-mm (42 in.), 996-kg (2,195 lb.) bucket; and 2.96-m (9 ft. 9 in.) arm	4823-kg (10,633 lb.) counterweight and 2177-kg (4,800 lb.) processor head	5140-kg (11,332 lb.) counterweight and 816-kg (1,800 lb.) grapple	5140-kg (11,332 lb.) counterweight and 2041-kg (4,500 lb.) grapple	5140-kg (11,332 lb.) counterweight and 2041-kg (4,500 lb.) grapple
SAE Operating Weight	31 218 kg (68,824 lb.)	33 490 kg (73,833 lb.)	35 300 kg (77,823 lb.)	35 370 kg (77,978 lb.)	35 370 kg (77,978 lb.)

**Lift Capacity — 2454D Road Builder with 2.96-m (9 ft. 9 in.) arm, 1.06-m<sup>3</sup> (1.38 cu. yd.) bucket, and 700-mm (28 in.) shoes**

Load Point Height	1.5 m (5 ft.)		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	Over front	Over side
6.1 m (20 ft.)									<b>3738 kg</b> <b>(8,240 lb.)</b>	<b>3738 kg</b> <b>(8,240 lb.)</b>		
4.6 m (15 ft.)							<b>4781 kg</b> <b>(10,540 lb.)</b>	<b>4781 kg</b> <b>(10,540 lb.)</b>	<b>4486 kg</b> <b>(9,890 lb.)</b>	4091 kg (9,020 lb.)		
3.1 m (10 ft.)					<b>7947 kg</b> <b>(17,520 lb.)</b>	<b>7947 kg</b> <b>(17,520 lb.)</b>	<b>5919 kg</b> <b>(13,050 lb.)</b>	5711 kg (12,590 lb.)	<b>5021 kg</b> <b>(11,070 lb.)</b>	3915 kg (8,630 lb.)	<b>3270 kg</b> <b>(7,210 lb.)</b>	2771 kg (6,110 lb.)
1.5 m (5 ft.)					<b>10 505 kg</b> <b>(23,160 lb.)</b>	8192 kg (18,060 lb.)	<b>7149 kg</b> <b>(15,760 lb.)</b>	5316 kg (11,720 lb.)	<b>5661 kg</b> <b>(12,480 lb.)</b>	3710 kg (8,180 lb.)	<b>4178 kg</b> <b>(9,210 lb.)</b>	2685 kg (5,920 lb.)
Ground Line					<b>11 626 kg</b> <b>(25,630 lb.)</b>	7806 kg (17,210 lb.)	<b>8038 kg</b> <b>(17,720 lb.)</b>	5035 kg (11,100 lb.)	5711 kg (12,590 lb.)	3552 kg (7,830 lb.)	<b>4191 kg</b> <b>(9,240 lb.)</b>	2608 kg (5,750 lb.)
-1.5 m (-5 ft.)			<b>5788 kg</b> <b>(12,760 lb.)</b>	<b>5788 kg</b> <b>(12,760 lb.)</b>	<b>11 635 kg</b> <b>(25,650 lb.)</b>	7734 kg (17,050 lb.)	8033 kg (17,710 lb.)	4908 kg (10,820 lb.)	5611 kg (12,370 lb.)	3461 kg (7,630 lb.)		
-3.1 m (-10 ft.)			<b>8777 kg</b> <b>(19,350 lb.)</b>	<b>8777 kg</b> <b>(19,350 lb.)</b>	<b>10 941 kg</b> <b>(24,120 lb.)</b>	7802 kg (17,200 lb.)	8033 kg (17,710 lb.)	4908 kg (10,820 lb.)	5620 kg (12,390 lb.)	3470 kg (7,650 lb.)		
-4.6 m (-15 ft.)			<b>12 519 kg</b> <b>(27,600 lb.)</b>	<b>12 519 kg</b> <b>(27,600 lb.)</b>	<b>9403 kg</b> <b>(20,730 lb.)</b>	7997 kg (17,630 lb.)	<b>7026 kg</b> <b>(15,490 lb.)</b>	5039 kg (11,110 lb.)				

**Lift Capacity — 2454D Processor with processor arm, 2177-kg (4,800 lb.) attachment, and 700-mm (28 in.) shoes**

Load Point Height	1.5 m (5 ft.)		3.1 m (10 ft.)		4.6 m (15 ft.)		6.1 m (20 ft.)		7.6 m (25 ft.)		8.7 m (28.6 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
7.6 m (25 ft.)							<b>3084 kg</b> <b>(6,800 lb.)</b>	<b>3084 kg</b> <b>(6,800 lb.)</b>				
6.1 m (20 ft.)							<b>3402 kg</b> <b>(7,500 lb.)</b>	<b>3402 kg</b> <b>(7,500 lb.)</b>	<b>3402 kg</b> <b>(7,500 lb.)</b>	<b>3402 kg</b> <b>(7,500 lb.)</b>		
4.6 m (15 ft.)			<b>7121 kg</b> <b>(15,700 lb.)</b>	<b>7121 kg</b> <b>(15,700 lb.)</b>	<b>5080 kg</b> <b>(11,200 lb.)</b>	<b>5080 kg</b> <b>(11,200 lb.)</b>	<b>4173 kg</b> <b>(9,200 lb.)</b>	<b>4173 kg</b> <b>(9,200 lb.)</b>	<b>3765 kg</b> <b>(8,300 lb.)</b>	<b>3765 kg</b> <b>(8,300 lb.)</b>		
3.1 m (10 ft.)			<b>13 517 kg</b> <b>(29,800 lb.)</b>	<b>13 517 kg</b> <b>(29,800 lb.)</b>	<b>7394 kg</b> <b>(16,300 lb.)</b>	<b>7394 kg</b> <b>(16,300 lb.)</b>	<b>5307 kg</b> <b>(11,700 lb.)</b>	<b>5307 kg</b> <b>(11,700 lb.)</b>	<b>4309 kg</b> <b>(9,500 lb.)</b>	<b>4309 kg</b> <b>(9,500 lb.)</b>		
1.5 m (5 ft.)			<b>17 327 kg</b> <b>(38,200 lb.)</b>	<b>17 327 kg</b> <b>(38,200 lb.)</b>	<b>9435 kg</b> <b>(20,800 lb.)</b>	<b>9435 kg</b> <b>(20,800 lb.)</b>	<b>6396 kg</b> <b>(14,100 lb.)</b>	<b>6396 kg</b> <b>(14,100 lb.)</b>	<b>4899 kg</b> <b>(10,800 lb.)</b>	4627 kg (10,200 lb.)	4128 kg (9,100 lb.)	3402 kg (7,500 lb.)
Ground Line			<b>17 600 kg</b> <b>(38,800 lb.)</b>	<b>17 600 kg</b> <b>(38,800 lb.)</b>	<b>10 523 kg</b> <b>(23,200 lb.)</b>	<b>10 523 kg</b> <b>(23,200 lb.)</b>	<b>7121 kg</b> <b>(15,700 lb.)</b>	6668 kg (14,700 lb.)	<b>5307 kg</b> <b>(11,700 lb.)</b>	4491 kg (9,900 lb.)		
-1.5 m (-5 ft.)	<b>30 210 kg</b> <b>(66,600 lb.)</b>	<b>30 210 kg</b> <b>(66,600 lb.)</b>	<b>16 874 kg</b> <b>(37,200 lb.)</b>	<b>16 874 kg</b> <b>(37,200 lb.)</b>	<b>10 705 kg</b> <b>(23,600 lb.)</b>	<b>10 705 kg</b> <b>(23,600 lb.)</b>	<b>7394 kg</b> <b>(16,300 lb.)</b>	6577 kg (14,500 lb.)	5352 kg (11,800 lb.)	4445 kg (9,800 lb.)		
-3.1 m (-10 ft.)	<b>27 896 kg</b> <b>(61,500 lb.)</b>	<b>27 896 kg</b> <b>(61,500 lb.)</b>	<b>15 286 kg</b> <b>(33,700 lb.)</b>	<b>15 286 kg</b> <b>(33,700 lb.)</b>	<b>10 070 kg</b> <b>(22,200 lb.)</b>	<b>10 070 kg</b> <b>(22,200 lb.)</b>	<b>7031 kg</b> <b>(15,500 lb.)</b>	6577 kg (14,500 lb.)				
-4.6 m (-15 ft.)			<b>12 429 kg</b> <b>(27,400 lb.)</b>	<b>12 429 kg</b> <b>(27,400 lb.)</b>	<b>8301 kg</b> <b>(18,300 lb.)</b>	<b>8301 kg</b> <b>(18,300 lb.)</b>						

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 — 2454D Live Heel with 816-kg (1,800 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.)		11.7 m (38.3 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.)	<b>11 476 kg</b> (25,300 lb.)	<b>11 476 kg</b> (25,300 lb.)										
10.7 m (35 ft.)	<b>9208 kg</b> (20,300 lb.)	<b>9208 kg</b> (20,300 lb.)	<b>7983 kg</b> (17,600 lb.)	<b>7983 kg</b> (17,600 lb.)	<b>7076 kg</b> (15,600 lb.)	5489 kg (12,100 lb.)						
9.1 m (30 ft.)			<b>7484 kg</b> (16,500 lb.)	<b>7484 kg</b> (16,500 lb.)	<b>6668 kg</b> (14,700 lb.)	5715 kg (12,600 lb.)	5761 kg (12,700 lb.)	4173 kg (9,200 lb.)				
7.6 m (25 ft.)			<b>7530 kg</b> (16,600 lb.)	<b>7530 kg</b> (16,600 lb.)	<b>6623 kg</b> (14,600 lb.)	5897 kg (13,000 lb.)	5534 kg (12,200 lb.)	3946 kg (8,700 lb.)				
6.1 m (20 ft.)			<b>8029 kg</b> (17,700 lb.)	<b>8029 kg</b> (17,700 lb.)	<b>6849 kg</b> (15,100 lb.)	5851 kg (12,900 lb.)	5579 kg (12,300 lb.)	3992 kg (8,800 lb.)	4264 kg (9,400 lb.)	2994 kg (6,600 lb.)		
4.6 m (15 ft.)			<b>8664 kg</b> (19,100 lb.)	<b>8664 kg</b> (19,100 lb.)	<b>7258 kg</b> (16,000 lb.)	5761 kg (12,700 lb.)	5579 kg (12,300 lb.)	3992 kg (8,800 lb.)	4264 kg (9,400 lb.)	2994 kg (6,600 lb.)		
3.1 m (10 ft.)			<b>9253 kg</b> (20,400 lb.)	8482 kg (18,700 lb.)	7666 kg (16,900 lb.)	5534 kg (12,200 lb.)	5534 kg (12,200 lb.)	3946 kg (8,700 lb.)	4173 kg (9,200 lb.)	2903 kg (6,400 lb.)		
1.5 m (5 ft.)					7439 kg (16,400 lb.)	5443 kg (12,000 lb.)	5443 kg (12,000 lb.)	3856 kg (8,500 lb.)	4082 kg (9,000 lb.)	2858 kg (6,300 lb.)	3447 kg (7,600 lb.)	2359 kg (5,200 lb.)
Ground Line			<b>10 342 kg</b> (22,800 lb.)	7530 kg (16,600 lb.)	7258 kg (16,000 lb.)	5171 kg (11,400 lb.)	5307 kg (11,700 lb.)	3765 kg (8,300 lb.)	4037 kg (8,900 lb.)	2767 kg (6,100 lb.)		
-1.5 m (-5 ft.)			<b>9480 kg</b> (20,900 lb.)	7303 kg (16,100 lb.)	7121 kg (15,700 lb.)	5035 kg (11,100 lb.)	5216 kg (11,500 lb.)	3674 kg (8,100 lb.)	<b>3357 kg</b> (7,400 lb.)	2767 kg (6,100 lb.)		
-3.1 m (-10 ft.)			<b>7620 kg</b> (16,800 lb.)	7303 kg (16,100 lb.)	<b>5806 kg</b> (12,800 lb.)	5035 kg (11,100 lb.)	<b>4010 kg</b> (8,840 lb.)	3674 kg (8,100 lb.)				

**Lift Capacity — 2454D Butt & Top with 2041-kg (4,500 lb.) grapple 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.)		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.)	<b>16 148 kg</b> (35,600 lb.)	<b>16 148 kg</b> (35,600 lb.)										
10.7 m (35 ft.)			<b>9616 kg</b> (21,200 lb.)	<b>9616 kg</b> (21,200 lb.)	<b>8392 kg</b> (18,500 lb.)	<b>8074 kg</b> (17,800 lb.)						
9.1 m (30 ft.)			<b>8709 kg</b> (19,200 lb.)	<b>8709 kg</b> (19,200 lb.)	<b>7530 kg</b> (16,600 lb.)	<b>7530 kg</b> (16,600 lb.)	<b>6759 kg</b> (14,900 lb.)	5307 kg (11,700 lb.)				
7.6 m (25 ft.)			<b>8709 kg</b> (19,200 lb.)	<b>8709 kg</b> (19,200 lb.)	<b>7484 kg</b> (16,500 lb.)	<b>7484 kg</b> (16,500 lb.)	<b>6532 kg</b> (14,400 lb.)	5443 kg (12,000 lb.)	5126 kg (11,300 lb.)	3538 kg (7,800 lb.)		
6.1 m (20 ft.)			<b>9571 kg</b> (21,100 lb.)	<b>9571 kg</b> (21,100 lb.)	<b>7893 kg</b> (17,400 lb.)	<b>7893 kg</b> (17,400 lb.)	<b>6668 kg</b> (14,700 lb.)	5352 kg (11,800 lb.)	5171 kg (11,400 lb.)	3629 kg (8,000 lb.)		
4.6 m (15 ft.)			<b>11 158 kg</b> (24,600 lb.)	<b>11 158 kg</b> (24,600 lb.)	<b>8618 kg</b> (19,000 lb.)	7983 kg (17,600 lb.)	<b>6985 kg</b> (15,400 lb.)	5216 kg (11,500 lb.)	5126 kg (11,300 lb.)	3538 kg (7,800 lb.)		
3.1 m (10 ft.)					<b>9435 kg</b> (20,800 lb.)	7575 kg (16,700 lb.)	7076 kg (15,600 lb.)	4990 kg (11,000 lb.)	5035 kg (11,100 lb.)	3447 kg (7,600 lb.)	<b>2087 kg</b> (4,600 lb.)	<b>2087 kg</b> (4,600 lb.)
1.5 m (5 ft.)					<b>9934 kg</b> (21,900 lb.)	7167 kg (15,800 lb.)	6849 kg (15,100 lb.)	4808 kg (10,600 lb.)	4899 kg (10,800 lb.)	3357 kg (7,400 lb.)	<b>2177 kg</b> (4,800 lb.)	<b>2177 kg</b> (4,800 lb.)
Ground Line			<b>13 699 kg</b> (30,200 lb.)	11 249 kg (24,800 lb.)	<b>9707 kg</b> (21,400 lb.)	6895 kg (15,200 lb.)	6713 kg (14,800 lb.)	4627 kg (10,200 lb.)	4853 kg (10,700 lb.)	3266 kg (7,200 lb.)	<b>2132 kg</b> (4,700 lb.)	<b>2132 kg</b> (4,700 lb.)
-1.5 m (-5 ft.)	<b>15 967 kg</b> (35,200 lb.)	<b>15 967 kg</b> (35,200 lb.)	<b>11 748 kg</b> (25,900 lb.)	11 068 kg (24,400 lb.)	<b>8528 kg</b> (18,800 lb.)	6759 kg (14,900 lb.)	<b>6124 kg</b> (13,500 lb.)	4581 kg (10,100 lb.)	<b>3901 kg</b> (8,600 lb.)	3266 kg (7,200 lb.)		
-3.1 m (-10 ft.)			<b>8482 kg</b> (18,700 lb.)	<b>8482 kg</b> (18,700 lb.)	<b>6305 kg</b> (13,900 lb.)	<b>6305 kg</b> (13,900 lb.)	<b>4173 kg</b> (9,200 lb.)	<b>4173 kg</b> (9,200 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 — 2454D Power Clam with 2041-kg (4,500 lb.) grapple and 700-mm (28 in.) shoes**

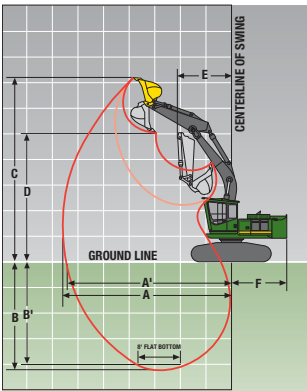
Load Point Height	3.1 m (10 ft.)		4.6 m (15 ft.)		6.1 m (20 ft.)		7.6 m (25 ft.)		9.1 m (30 ft.)		10.7 m (35 ft.)	
	Over front	Over side	Over front	Over side	Over front	Over side	Over front	Over side	Over front	Over side	Over front	Over side
12.2 m (40 ft.)	<b>16 148 kg</b> <b>(35,600 lb.)</b>	<b>16 148 kg</b> <b>(35,600 lb.)</b>										
10.7 m (35 ft.)			9616 kg (21,200 lb.)	9616 kg (21,200 lb.)	8392 kg (18,500 lb.)	8074 kg (17,800 lb.)						
9.1 m (30 ft.)			8709 kg (19,200 lb.)	8709 kg (19,200 lb.)	7530 kg (16,600 lb.)	7530 kg (16,600 lb.)	6759 kg (14,900 lb.)	5307 kg (11,700 lb.)				
7.6 m (25 ft.)			8709 kg (19,200 lb.)	8709 kg (19,200 lb.)	7484 kg (16,500 lb.)	7484 kg (16,500 lb.)	6532 kg (14,400 lb.)	5443 kg (12,000 lb.)	5126 kg (11,300 lb.)	3538 kg (7,800 lb.)		
6.1 m (20 ft.)			9571 kg (21,100 lb.)	9571 kg (21,100 lb.)	7893 kg (17,400 lb.)	7893 kg (17,400 lb.)	6668 kg (14,700 lb.)	5352 kg (11,800 lb.)	5171 kg (11,400 lb.)	3629 kg (8,000 lb.)		
4.6 m (15 ft.)			11 158 kg (24,600 lb.)	11 158 kg (24,600 lb.)	8618 kg (19,000 lb.)	7983 kg (17,600 lb.)	6985 kg (15,400 lb.)	5216 kg (11,500 lb.)	5126 kg (11,300 lb.)	3538 kg (7,800 lb.)		
3.1 m (10 ft.)					9435 kg (20,800 lb.)	7575 kg (16,700 lb.)	7076 kg (15,600 lb.)	4990 kg (11,000 lb.)	5035 kg (11,100 lb.)	3447 kg (7,600 lb.)	2087 kg (4,600 lb.)	2087 kg (4,600 lb.)
1.5 m (5 ft.)					9934 kg (21,900 lb.)	7167 kg (15,800 lb.)	6849 kg (15,100 lb.)	4808 kg (10,600 lb.)	4899 kg (10,800 lb.)	3357 kg (7,400 lb.)	2177 kg (4,800 lb.)	2177 kg (4,800 lb.)
Ground Line			13 699 kg (30,200 lb.)	11 249 kg (24,800 lb.)	9707 kg (21,400 lb.)	6895 kg (15,200 lb.)	6713 kg (14,800 lb.)	4627 kg (10,200 lb.)	4853 kg (10,700 lb.)	3266 kg (7,200 lb.)	2132 kg (4,700 lb.)	2132 kg (4,700 lb.)
-1.5 m (-5 ft.)	<b>15 967 kg</b> <b>(35,200 lb.)</b>	<b>15 967 kg</b> <b>(35,200 lb.)</b>	11 748 kg (25,900 lb.)	11 068 kg (24,400 lb.)	8528 kg (18,800 lb.)	6759 kg (14,900 lb.)	6124 kg (13,500 lb.)	4581 kg (10,100 lb.)	3901 kg (8,600 lb.)	3266 kg (7,200 lb.)		
-3.1 m (-10 ft.)			8482 kg (18,700 lb.)	8482 kg (18,700 lb.)	6305 kg (13,900 lb.)	6305 kg (13,900 lb.)	4173 kg (9,200 lb.)	4173 kg (9,200 lb.)				

Attachment weight is included when calculating the lift capacities.

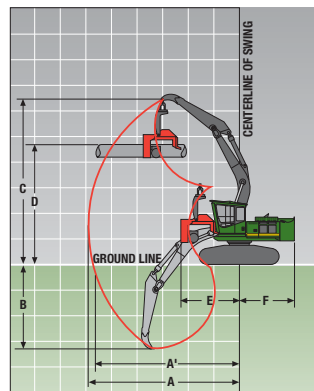
**Boldface** type indicates hydraulic-limited capacities with power boost; **lightface** type indicates stability-limited capacities. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine.

Operating Dimensions	2454D Road Builder	2454D Processor	2454D Live Heel	2454D Butt & Top	2454D Power Clam
Arm Length	2.96 m (9 ft. 9 in.)	3.43 m (11 ft. 3 in.)	N/A	N/A	N/A
Arm Force (with 700-mm [28 in.] double-grouser shoes and power boost)	122.9 kN (27,629 lb.)	N/A	N/A	N/A	N/A
Bucket Digging Force (with 700-mm [28 in.] double-grouser shoes and power boost)	167.0 kN (37,543 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	8038 kg (17,721 lb.)	7121 kg (15,700 lb.)	10 340 kg (22,796 lb.)	9707 kg (21,400 lb.)	9707 kg (21,400 lb.)
<b>A</b> Maximum Reach	10.10 m (33 ft. 2 in.)	8.94 m (29 ft. 4 in.)	11.67 m (38 ft. 3 in.)	10.68 m (35 ft. 0 in.)	10.68 m (35 ft. 0 in.)
<b>A'</b> Maximum Reach at Ground Level	9.86 m (32 ft. 4 in.)	8.66 m (28 ft. 5 in.)	11.43 m (37 ft. 6 in.)	10.43 m (34 ft. 3 in.)	10.43 m (34 ft. 3 in.)
<b>B</b> Maximum Depth	6.20 m (20 ft. 4 in.)	4.92 m (16 ft. 2 in.)	4.82 m (15 ft. 10 in.)	3.68 m (12 ft. 1 in.)	3.68 m (12 ft. 1 in.)
<b>C</b> Maximum Height	10.54 m (34 ft. 7 in.)	N/A	13.67 m (44 ft. 10 in.)	12.76 m (41 ft. 10 in.)	12.76 m (41 ft. 10 in.)
<b>D</b> Maximum Dumping Height	7.85 m (25 ft. 9 in.)	N/A	N/A	N/A	N/A
Maximum Log-Level Height	N/A	7.08 m (23 ft. 3 in.)	8.82 m (28 ft. 11 in.)	9.91 m (32 ft. 6 in.)	8.91 m (29 ft. 3 in.)
<b>E</b> Minimum Swing Radius	3.17 m (10 ft. 5 in.)	3.47 m (11 ft. 5 in.)	4.77 m (15 ft. 8 in.)	4.47 m (14 ft. 8 in.)	4.47 m (14 ft. 8 in.)
<b>F</b> Tail Swing Radius	3.30 m (10 ft. 10 in.)	3.30 m (10 ft. 10 in.)	3.30 m (10 ft. 10 in.)	3.30 m (10 ft. 10 in.)	3.30 m (10 ft. 10 in.)

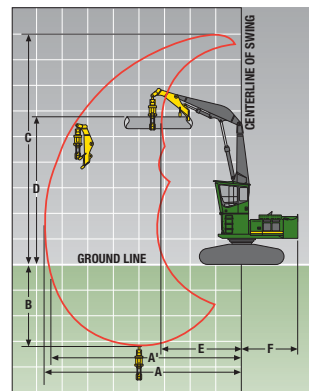
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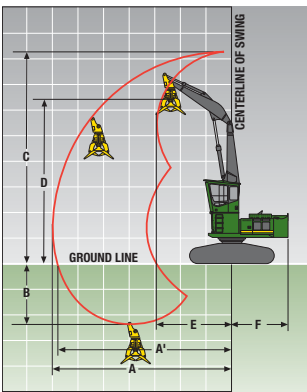
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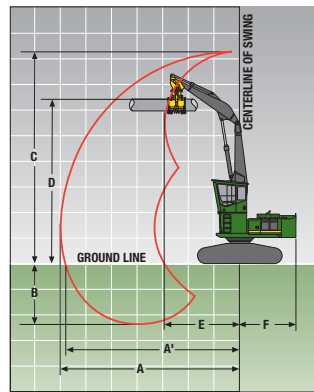
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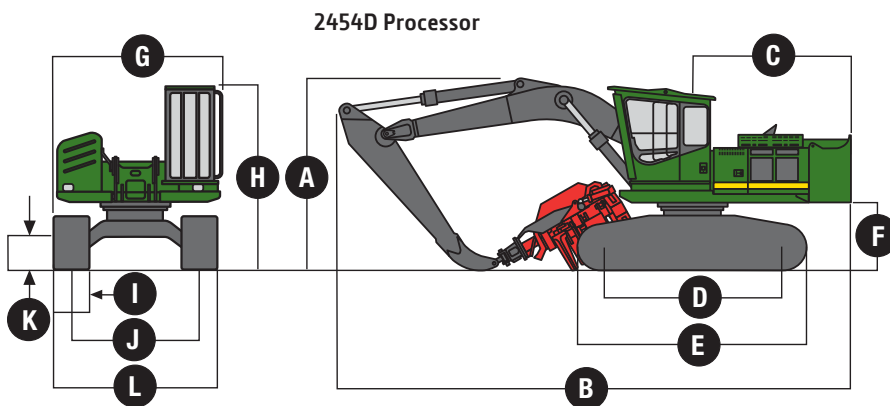
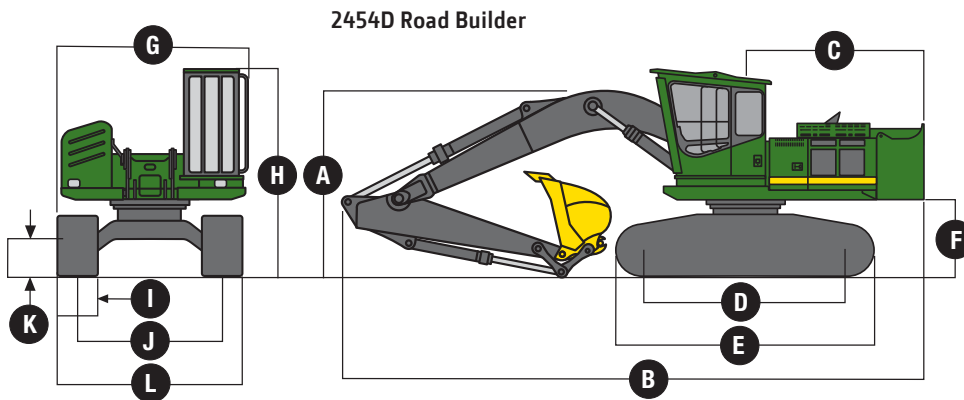
2454D Butt & Top Envelope



2454D Power-Clam Envelope



Machine Dimensions	2454D Road Builder	2454D Processor	2454D Live Heel	2454D Butt & Top	2454D Power Clam
<b>A</b> Height	3.74 m (12 ft. 4 in.)	3.99 m (13 ft. 1 in.)	N/A	N/A	N/A
<b>B</b> Overall Length	10.46 m (34 ft. 4 in.)	10.77 m (35 ft. 4 in.)	14.32 m (47 ft. 0 in.)	14.37 m (47 ft. 2 in.)	14.44 m (47 ft. 4 in.)
<b>C</b> Rear-End Length / Swing Radius	3.25 m (10 ft. 8 in.)	3.25 m (10 ft. 8 in.)	3.25 m (10 ft. 8 in.)	3.25 m (10 ft. 8 in.)	3.25 m (10 ft. 8 in.)
<b>D</b> Distance Between Idler / Sprocket Centerline	3.73 m (12 ft. 3 in.)	3.73 m (12 ft. 3 in.)	3.73 m (12 ft. 3 in.)	3.73 m (12 ft. 3 in.)	3.73 m (12 ft. 3 in.)
<b>E</b> Undercarriage Length	4.69 m (15 ft. 5 in.)	4.69 m (15 ft. 5 in.)	4.69 m (15 ft. 5 in.)	4.69 m (15 ft. 5 in.)	4.69 m (15 ft. 5 in.)
<b>F</b> Counterweight Clearance	1.40 m (4 ft. 7 in.)	1.40 m (4 ft. 7 in.)	1.46 m (4 ft. 10 in.)	1.46 m (4 ft. 10 in.)	1.46 m (4 ft. 10 in.)
<b>G</b> Upperstructure Width	3.39 m (11 ft. 2 in.)	3.39 m (11 ft. 2 in.)	3.58 m (11 ft. 9 in.)	3.58 m (11 ft. 9 in.)	3.58 m (11 ft. 9 in.)
<b>H</b> Cab Height	3.77 m (12 ft. 5 in.)	3.77 m (12 ft. 5 in.)	N/A	N/A	N/A
<b>H'</b> Cab Height (transport)	N/A	N/A	3.52 m (11 ft. 6 in.)	3.52 m (11 ft. 6 in.)	3.52 m (11 ft. 6 in.)
<b>I</b> 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.)
<b>J</b> Gauge Width	2.62 m (8 ft. 7 in.)	2.62 m (8 ft. 7 in.)	2.79 m (9 ft. 2 in.)	2.79 m (9 ft. 2 in.)	2.79 m (9 ft. 2 in.)
<b>K</b> Ground Clearance	0.71 m (2 ft. 4 in.)	0.71 m (2 ft. 4 in.)	0.76 m (2 ft. 6 in.)	0.76 m (2 ft. 6 in.)	0.76 m (2 ft. 6 in.)
<b>L</b> Undercarriage Width	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)	3.49 m (11 ft. 6 in.)	3.49 m (11 ft. 6 in.)	3.49 m (11 ft. 6 in.)



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

