



JOHN DEERE

3154G SWING MACHINE





3154G SWING MACHINE

OUT HERE, UPTIME IS THE ONLY THING THAT MATTERS.

You're in the woods and facing the challenges there every day. So when we asked loggers like you how we could make our adaptable swing machines even better, we heard "uptime" loud and clear. Then we spent thousands of hours redesigning components, testing equipment, and pushing performance until we got results you can count on. Rugged frame structures, reliable systems, and a major cab update are just some of the proven features of our latest 3154G Swing Machine. Because in the forest, keeping up and running long mean everything to your operation.

Strength for the long haul

Purpose-built boom-foot base, along with bushings in mainframe, improves frame and joint durability and streamlines repairs.

Comfort in the cab

With an additional three inches of legroom over earlier models, the cab is isolation mounted to reduce noise and vibration, cushion the ride in rough terrain, and substantially minimize fatigue. Ergonomically correct short-throw pilot levers provide smooth, precise fingertip control with less movement or effort.

Designed by loggers for loggers

Two cab options significantly enhance operator comfort. Forestry-excavator cab is 25-percent larger than previous models. Log-loader cab features a riser and windows in the floor, for superb visibility to the tracks and work area. Optional cab-forward riser enables additional visibility to the right.



**OPT FOR LOG-LOADER OR
FORESTRY-EXCAVATOR CAB TO
BOOST VERSATILITY**

See the light

Standard 14-light LED package provides powerful illumination. LED lights in the service compartment mean no more fumbling with a flashlight to see what you're working on. An access light helps you safely enter and exit at the rear of the cab.

Work your way

Three productivity modes allow you to adjust the machine to the application. **High productivity** delivers more power and faster hydraulic response. **Power** delivers a balance of power, speed, and fuel economy for normal operation. **Economy** limits top speed and helps save fuel.

At your service

Larger service bays make it easier to reach components, so daily checks and preventative maintenance get done effortlessly and on schedule. Right-side service panel tilts down to provide a stable platform for accessing filters, diesel exhaust fluid (DEF), hydraulic oil-fill locations, and other routine service points.

3154G SWING MACHINE

PUT TECHNOLOGY TO WORK IN THE WOODS AND AT THE OFFICE.

Coordinate your operation and your team's productivity from wherever your work takes you with John Deere Precision Forestry and our core technology solutions.

FEATURES

Core intelligence

Your John Deere Forestry machine arrives from the factory equipped with a powerful set of technologies and capabilities already built in. Each plays an important role in managing the health and performance of your overall equipment fleet:

- **JDLink™** connectivity lets you track your equipment, see which machines are working, and know if they're being utilized properly and at maximum productivity and efficiency.
- Enabled through JDLink, **John Deere Connected Support™** leverages a suite of dealer and factory tools designed to deliver increased uptime and productivity, and lower daily operating costs.
- **Remote Diagnostics and Programming Capability** within John Deere Connected Support helps your dealer warn you of any issue with your machine — often before you know of the problem yourself — and initiate solutions without charging you for a technician's visit to your jobsite.
- Our advanced dual approach to **Machine Health** combines the expertise of the technology specialists at our dealerships with the data specialists at our central Machine Health Monitoring Center (MHMC). As part of John Deere Connected Support, information from thousands of connected machines flows through the MHMC, enabling our specialists to identify trends and develop new and improved preventative-maintenance and repair protocols.



JOHN DEERE PRECISION FORESTRY

TOOLS ENABLE PRODUCTION
PLANNING & TRACKING

Precision Forestry

Take the guesswork out of planning, implementing, and monitoring your logging operation. The tools of our production-planning and -tracking system expand on the core technology features that come standard in every John Deere Forestry machine to unleash a powerful new array of possibilities:

- **TimberMatic™ Maps** is an innovative onboard software solution that helps you reimagine your jobsites. Real-time production views, optimized routes, and shared wireless connections between machines make it easier than ever before to take your forestry operation to the next level.
- **TimberManager™** is a web-based solution for PCs, tablets, and mobile phones that allows you to follow jobsite progress. Combined with TimberMatic Maps, this software provides complete visibility of your operation — from land harvested to specific machines — so you can streamline communication, analyze tasks, and increase productivity:
 - **Remote Monitoring** keeps tabs on the health and performance of your fleet from wherever you are.
 - **Precise Progress Tracking** lets you set goals for your team to meet throughout the day.
 - **Live Production View** displays progress including tree count, area harvested, and estimated tonnage.
 - **Simplified Mapping** of machine data and GPS-based location tracking shows precise stem and log counts.
 - **Real-Time Updates** let you adjust course or eliminate tasks if needed to maintain steady workflow.
 - **Fleet Optimization** goes beyond machine management to help improve the efficiency of your business.

3154G SWING MACHINE SPECIFICATIONS

| Engine | | 3154G Road Builder | |
|---|---|--|---|
| 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 (FT4)/EU Stage IV | EPA Tier 3/EU Stage IIIA | |
| Net Rated Power (ISO 9249) | 186 kW (249 hp) at 1,900 rpm | 186 kW (249 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 | | Cool-on-demand hydraulic-driven, suction-type fan with remote-mounted drive and standard reversing fan | |
| Fan Drive | | | |
| Powertrain | | 2-speed propel with automatic shift | |
| Maximum Travel Speed | | | |
| Low | 2.7 km/h (1.7 mph) | | |
| High | 4.2 km/h (2.6 mph) | | |
| Drawbar Pull | 30 350 kgf (66,910 lbf) | | |
| Hydraulics | | System Operating Pressure | |
| Open center, pilot operated | | | Implement Circuits 34 300 kPa (4,975 psi) |
| Main Pumps | 2 variable-displacement pumps | Power Boost | 38 000 kPa (5,511 psi) |
| Maximum Rated Flow x 2 | 248 L/m (65.5 gpm) | | |
| Controls | Pilot levers; short-stroke, low-effort hydraulic pilot with shutoff lever | | |
| Electrical | | EPA FT4/EU Stage IV | |
| System Voltage | 24 volt | EPA Tier 3/EU Stage IIIA | |
| Alternator Rating | 150 amp | 24 volt | |
| Lights (standard) | | | |
| Work | 14 LEDs | 130 amp | |
| Service | | | |
| With Side-Entry Cab | 5 LEDs (compartments) | 14 LEDs | |
| With Rear-Entry Cab | 6 LEDs (compartments and riser) | 5 LEDs (compartments) | |
| Access | 1 LED (right rear cab) | 6 LEDs (compartments and riser) | |
| | | 1 LED (right rear cab) | |
| Undercarriage | | Undercarriage (continued) | |
| Rollers (per side) | | | Shoes, Double Grousers (per side) 48 |
| Carrier | 2 | Pitch | 216 mm (8.5 in.) |
| Track | 9 | | |
| Swing Mechanism | | | |
| Swing Speed | 8.7 rpm | | |
| Swing Torque | 120 000 Nm (88,507 lb.-ft.) | | |
| Ground Pressure | | | |
| Undercarriage | 2.69 m (8 ft. 10 in.) | 2.92 m (9 ft. 7 in.) | |
| 700-mm (28 in.) Double-Grouser Shoes | 65.6 kPa (9.50 psi) | 65.8 kPa (9.50 psi) | |
| Operator's Station | | | |
| Operator Height From Ground (eye level) | | | |
| Side-Entry Forestry Cab | 3125 mm (10 ft. 3 in.) | | |
| Rear-Entry Log Loader Cab | 4471 mm (14 ft. 8 in.) | | |
| Standard rearview camera | | | |
| Serviceability | | Refill Capacities (continued) | |
| Refill Capacities | | | Engine Crankcase (including filter) 27.0 L (28.5 qt.) |
| Fuel Tank | 1080.0 L (285.0 gal.) | Hydraulic Tank Oil | 195.0 L (52.0 gal.) |
| Cooling System | 39.7 L (10.5 gal.) | | |
| Diesel Exhaust Fluid (DEF) Tank (FT4) | 43.6 L (11.5 gal.) | | |
| Operating Weights | | With full fuel tank, 79-kg (175 lb.) operator, side-entry forestry cab, 5538-kg (12,206 lb.) standard counterweight, 700-mm (28 in.) double-grouser shoes, and 2.69-m (8 ft. 10 in.) undercarriage; no attachment included | |
| SAE Operating Weight | EPA FT4/EU Stage IV 38 494 kg (84,865 lb.) | EPA Tier 3/EU Stage IIIA 38 267 kg (84,365 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.) | |
| Heavy Counterweight | 1020 kg (2,249 lb.) | 1020 kg (2,249 lb.) | |
| 2.92-m (9 ft. 7 in.) Undercarriage | 678 kg (1,494 lb.) | 678 kg (1,494 lb.) | |

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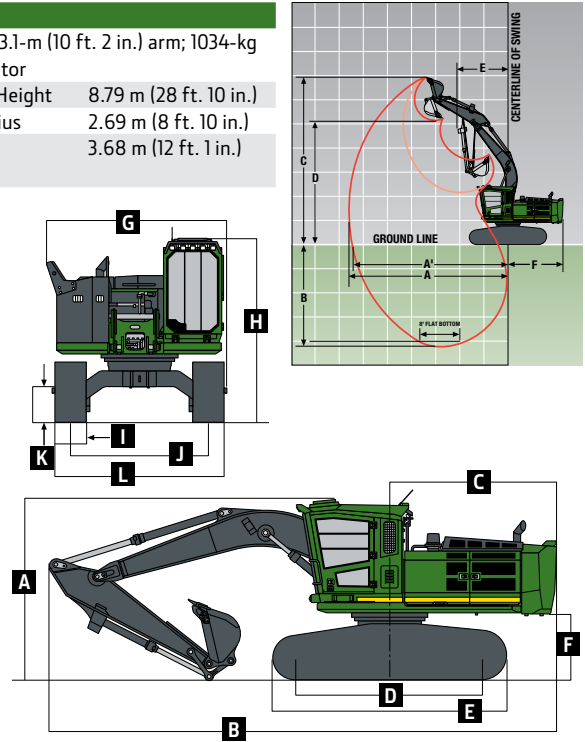
Operating Dimensions 3154G Road Builder

With standard equipment, 700-mm (28 in.) shoes; 5538-kg (12,206 lb.) standard counterweight; 3.1-m (10 ft. 2 in.) arm; 1034-kg (2,279 lb.), 1.34-m³ (1.75 cu. yd.), 1065-mm (42 in.) bucket; full fuel tank; and 79-kg (175 lb.) operator

| | | | |
|---|-------------------------|---------------------------------|------------------------|
| A Maximum Reach | 10.80 m (35 ft. 5 in.) | D Maximum Dumping Height | 8.79 m (28 ft. 10 in.) |
| A' Maximum Reach at Ground Level | 10.54 m (34 ft. 7 in.) | E Minimum Swing Radius | 2.69 m (8 ft. 10 in.) |
| B Maximum Digging Depth | 5.99 m (19 ft. 8 in.) | F Tail Swing Radius | 3.68 m (12 ft. 1 in.) |
| C Maximum Cutting Height | 11.86 m (38 ft. 11 in.) | | |

Machine Dimensions

| | | |
|--|------------------------|------------------------|
| Undercarriage | 2.69 m (8 ft. 10 in.) | 2.92 m (9 ft. 7 in.) |
| A Machine Transport Height | | |
| Side-Entry Cab | 3.84 m (12 ft. 7 in.) | 3.86 m (12 ft. 8 in.) |
| Rear-Entry Cab | 3.68 m (12 ft. 1 in.) | 3.71 m (12 ft. 2 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 | 4.06 m (13 ft. 4 in.) | 4.06 m (13 ft. 4 in.) |
| E Undercarriage Length | 5.00 m (16 ft. 5 in.) | 5.00 m (16 ft. 5 in.) |
| F Counterweight Clearance | 1.47 m (4 ft. 10 in.) | 1.50 m (4 ft. 11 in.) |
| G Upperstructure Width | 3.48 m (11 ft. 5 in.) | 3.48 m (11 ft. 5 in.) |
| H Cab Height | | |
| Side-Entry Cab | 3.84 m (12 ft. 7 in.) | 3.86 m (12 ft. 8 in.) |
| Rear-Entry Cab | 5.18 m (17 ft. 0 in.) | 5.21 m (17 ft. 1 in.) |
| I Track Width With 700-mm (28 in.) Double-Grouser Shoes | 0.70 m (28 in.) | 0.70 m (28 in.) |
| J Center of Sprocket to Center of Sprocket | 2.69 m (8 ft. 10 in.) | 2.92 m (9 ft. 7 in.) |
| K Ground Clearance | 0.76 m (30 in.) | 0.79 m (31 in.) |
| L Undercarriage Width With 700-mm (28 in.) Double-Grouser Shoes | 3.40 m (11 ft. 2 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 — 3154G Road Builder with 2.69-m (8 ft. 10 in.) undercarriage, 700-mm (28 in.) shoes, and standard counterweight; 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 | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side |
| 7.6 m (25 ft.) | | | | | 6930 | 6930 | | | | |
| | | | | | (15,260) | (15,260) | | | | |
| 6.1 m (20 ft.) | | | 8280 | 8280 | 7350 | 7350 | 6850 | 6850 | | |
| | | | (18,250) | (18,250) | (16,200) | (16,200) | (15,090) | (15,090) | | |
| 4.6 m (15 ft.) | 15 500 | 15 500 | 10 320 | 10 320 | 8280 | 8280 | 7230 | 7230 | | |
| | (34,150) | (34,150) | (22,740) | (22,740) | (18,240) | (18,240) | (15,940) | (15,940) | | |
| 3.1 m (10 ft.) | | | 12 760 | 12 760 | 9410 | 9410 | 7780 | 7780 | 6860 | 5980 |
| | | | (28,110) | (28,110) | (20,740) | (20,740) | (17,140) | (17,140) | (15,120) | (13,190) |
| 1.5 m (5 ft.) | | | 14 410 | 14 410 | 10 360 | 10 260 | 8270 | 7560 | 6990 | 5890 |
| | | | (31,760) | (31,760) | (22,830) | (22,600) | (18,230) | (16,670) | (15,410) | (12,980) |
| Ground Line | 21 140 | 21 140 | 14 790 | 14 790 | 10 810 | 10 000 | 8510 | 7410 | | |
| | (46,600) | (46,600) | (32,600) | (32,600) | (23,830) | (22,040) | (18,750) | (16,340) | | |
| -1.5 m (-5 ft.) | 19 670 | 19 670 | 14 180 | 14 180 | 10 620 | 9910 | 8260 | 7370 | | |
| | (43,360) | (43,360) | (31,260) | (31,260) | (23,410) | (21,850) | (18,210) | (16,240) | | |
| -3.1 m (-10 ft.) | 16 960 | 16 960 | 12 610 | 12 610 | 9570 | 9570 | | | | |
| | (37,370) | (37,370) | (27,800) | (27,800) | (21,090) | (21,090) | | | | |

Lift Capacity — 3154G Road Builder with 2.92-m (9 ft. 7 in.) undercarriage, 700-mm (28 in.) shoes, and standard counterweight; 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 | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side |
| 7.6 m (25 ft.) | | | | | 6930 | 6930 | | | | |
| | | | | | (15,260) | (15,260) | | | | |
| 6.1 m (20 ft.) | | | 8280 | 8280 | 7350 | 7350 | 6850 | 6850 | | |
| | | | (18,250) | (18,250) | (16,200) | (16,200) | (15,090) | (15,090) | | |
| 4.6 m (15 ft.) | 15 500 | 15 500 | 10 320 | 10 320 | 8280 | 8280 | 7230 | 7230 | | |
| | (34,150) | (34,150) | (22,740) | (22,740) | (18,240) | (18,240) | (15,940) | (15,940) | | |
| 3.1 m (10 ft.) | | | 12 760 | 12 760 | 9410 | 9410 | 7780 | 7780 | 6860 | 6510 |
| | | | (28,110) | (28,110) | (20,740) | (20,740) | (17,140) | (17,140) | (15,120) | (14,350) |
| 1.5 m (5 ft.) | | | 14 410 | 14 410 | 10 360 | 10 360 | 8270 | 8250 | 6990 | 6420 |
| | | | (31,760) | (31,760) | (22,830) | (22,830) | (18,230) | (18,190) | (15,410) | (14,140) |
| Ground Line | 21 140 | 21 140 | 14 790 | 14 790 | 10 810 | 10 810 | 8510 | 8100 | | |
| | (46,600) | (46,600) | (32,600) | (32,600) | (23,830) | (23,830) | (18,750) | (17,850) | | |
| -1.5 m (-5 ft.) | 19 670 | 19 670 | 14 180 | 14 180 | 10 620 | 10 620 | 8260 | 8050 | | |
| | (43,360) | (43,360) | (31,260) | (31,260) | (23,410) | (23,410) | (18,210) | (17,750) | | |
| -3.1 m (-10 ft.) | 16 960 | 16 960 | 12 610 | 12 610 | 9570 | 9570 | | | | |
| | (37,370) | (37,370) | (27,800) | (27,800) | (21,090) | (21,090) | | | | |

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