

G-SERIES
SWING MACHINES



JOHN DEERE

2154G / 2156G / 2654G / 2656G



**RELIABLE, EFFICIENT,
PRODUCTIVE**



KEEP BACK 300 FT / 90 M

2154G

JOHN DEERE



SWING
FOR THE FENCES.

TO DESIGN OUR 2154G/2156G AND 2654G/2656G SWING MACHINES, we went to the woods and met with loggers — the ones who live it every day. We let them do the talking. **And we listened.**

Through our Customer Advocate Group (CAG), we collected invaluable input from customers just like you. Then we spent over a thousand hours testing the machines until we got them exactly right.

The G-Series is loaded with improvements you won't be able to imagine living without, including major cab updates that set the standards for comfort and safety. And a host of productivity-boosting enhancements that help deliver uptime and efficiency, while lowering daily operating costs.

Five years in the making. Backed by over a half-century of experience in the woods. The G-Series will redefine your expectations about what a swing machine can accomplish.

TAME THE TOUGHEST TIMBER

These go-getters won't let you down.

To make these workhorses even better, we went to our toughest customers — loggers just like you — to get fresh ideas on making our swing machines more rugged and reliable.

Simplified electrical system

More dependable electrical architecture simplifies wiring harnesses and reduces the number of electrical connectors, fuses, and relays by approximately 25 percent compared to our previous models. JDLink™ enables quick fault detection and troubleshooting.

Rugged structures

Undercarriage X-frames and upper-frame structures have been improved to deliver significantly longer life than previous models — in some cases up to 67-percent more.

Hydraulic reversing fan

Hydraulically driven, variable-speed fan runs only as needed, conserving power and fuel. Reversing option automatically reverses airflow to eject debris from the cooler cores, decreasing cooler-maintenance frequency.

Durable cooling system

Large, high-capacity coolers along with improved airflow help reduce hydraulic operating temperatures, for maximum component life.

Reliable rollers

On the 2154G and 2156G, larger-diameter lower rollers with polished shafts and improved seals extend wear life, while reducing downtime and maintenance costs.

Hydraulic oil-level alarm

If the hydraulic oil level falls dangerously low, an optional alarm will provide both audible and visual alerts for you to immediately shut down the machine.



**LARGER-DIAMETER
LOWER ROLLERS**

ON 2154G AND 2156G





25%
MORE SPACE
ON SIDE-ENTRY CAB
THAN PREVIOUS MODELS

Expansive visibility

Countless hours of virtual-reality studies and field-testing with loggers resulted in superb all-around visibility. In the log-loader rear-entry cab, floor-mounted windows and cab-forward riser option expand views to the tracks and working area for log-loading applications. Polycarbonate windows durably meet safety requirements.

Easy-to-read monitor

Multi-language color LCD monitor provides intuitive access to a wealth of machine data and functions.

Better access

A staircase at the rear of the machine eases cab entry and exit, for more stable footing where and when you need it. A new handrail is significantly larger than on previous models, for secure three-point contact.



DESIGNED BY LOGGERS, FOR LOGGERS

Visionary cab design.

Two cab options are significantly more comfortable. Side-entry cab is 25-percent larger than the previous model. Rear-entry cab, now standard on the 2156G and 2656G, features windows in the floor and injection-molded polycarbonate windows, for superb visibility to the tracks and working area. Cab-forward design improves visibility to the right.

Roomy and comfortable cab

Roomier cab boasts an additional three inches of legroom. It's isolation mounted to reduce noise and vibration while smoothing the ride in rough terrain, substantially minimizing fatigue.

Effortless control

Ergonomically correct short-throw pilot levers provide smooth, precise fingertip control with less movement or effort.

Creature comforts

Fatigue-beating amenities include efficient climate control, a heated/cooled seat, and ergonomic controls. A USB power port helps keep your devices charged up. Plus, there's plenty of room inside the cab to stow your stuff as well as convenient shovel and ax mounts outside.

GET MORE DONE See the light.

Whether you're log loading, road building, decking, shovel logging, or processing/harvesting, G-Series Swing Machines will help you move more wood, more efficiently. Choose a 2154G/2654G Forestry Excavator or 2156G/2656G Crawler Log Loader to match your application.

Service lighting

With the LED lighting option, illumination in all service compartments means you won't have to fumble around for a flashlight before dawn or after dark.

Enhanced lighting options

Optional 14-light LED package delivers 40-percent more illumination.

Greater tractive effort

Increased tractive effort of 19 percent on the 2654G and 2656G boosts capability for negotiating steep or difficult terrain, deep snow, and swamps.

Stable and able

Longer track frames on the 2656G (optional on the 2154G, 2156G, and 2654G) put more track on the ground, for increased stability — and up to 14-percent more lifting capacity — than the model it replaces.

Fully integrated processing heads

Reliable, productive Waratah heads come factory installed and ready to go. Through-nose plumbing option routes hoses up and out of harm's way to extend wear life, increasing uptime and reducing service costs.



*STANDARD ON 2656G, OPTIONAL ON 2654G.





40% BRIGHTER
WITH LED
LIGHTING PACKAGE



**19% MORE
TRACTIVE EFFORT**

ON 2654G AND 2656G*

*INCLUDES 2154G AND 2156G WITH XD
OR XD LC UNDERCARRIAGE OPTION



**JOHN DEERE ULTIMATE UPTIME,
JDLINK™, JOHN DEERE FORESTSIGHT™**

Because time is money.

Loggers always need more uptime. Fast, accurate diagnosis of machine problems. Rapid, effective service response and the right part, the first time. And closer tracking of machines and operators for maximum efficiency. John Deere forestry technology solutions are there to help — wherever the woods take you.

Keep downtime down with

JOHN DEERE ULTIMATE UPTIME

In addition to the base John Deere ForestSight features, our dealers work with you to build an uptime package that meets your specific needs, including customized maintenance and repair agreements, onsite parts availability, extended warranties, fluid sampling, response-time guarantees, and more.

Get valuable insight with

JOHN DEERE FORESTSIGHT

With a JDLINK subscription, alerts can be sent to your computer or mobile device — or your Deere dealer, if you choose — to inform you of immediate machine issues. If downtime does occur, exclusive remote diagnostics and programming enable your dealer to minimize the time and cost associated with sending a technician to the logging site for an initial diagnostic visit. You can also receive reminders of periodic scheduled maintenance on your computer or mobile device, or from your dealer.



Remote diagnostics

When your swing machine is equipped with JDLink, fast, accurate remote diagnostics and rapid service response with the right part the first time, industry-leading parts availability, and dealer support are always within easy reach.

RUN THE NUMBERS.

Better fuel economy

John Deere PowerTech™ PVS 6.8L EPA Final Tier 4/EU Stage IV engine on the 2154G and 2156G improves uptime and reduces fuel consumption by five to eight percent. “Half-lever” hydraulic-control system reduces fuel consumption by another three to five percent, depending on application.

Easy does it

Hinged A/C condenser swings out and engine-compartment screen can be quickly removed, easing cleanout of debris. Fuel-shutoff valve eliminates leaks, for fast fuel filter changes with less mess. Plus a precleaner for the engine air intake extends filter life, further reducing maintenance time.

Convenient maintenance

Ground-level servicing and conveniently located filters, fluid-fill locations, and grease points help ease daily checks and preventive maintenance.

Productivity 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.





2154G



Engine	2154G Road Builder / Processor			
	Base engine for use in U.S., U.S. Territories, and Canada		Optional engine for use in 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 (FT4)/EU Stage IV		EPA Tier 3/EU Stage IIIA / EPA Tier 2/EU Stage II	
Net Rated Power (ISO 9249)	122 kW (164 hp) at 2,000 rpm		122 kW (164 hp) at 2,000 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 with optional reversing fan			
Powertrain				
2-speed propel with automatic shift				
Undercarriage	2.62 m (8 ft. 7 in.) <i>Heavy Duty (HD)</i>		2.79 m (9 ft. 2 in.) <i>HD</i> <i>XDLC</i>	
Maximum Travel Speed				
Low	3.2 km/h (2.0 mph)	2.6 km/h (1.6 mph)	3.2 km/h (2.0 mph)	2.6 km/h (1.6 mph)
High	4.8 km/h (3.0 mph)	3.6 km/h (2.2 mph)	4.8 km/h (3.0 mph)	3.6 km/h (2.2 mph)
Drawbar Pull	22 634 kgf (49,900 lbf)	30 350 kgf (69,910 lbf)	22 634 kgf (49,900 lbf)	30 350 kgf (69,910 lbf)
Hydraulics				
Open center, pilot operated				
Main Pumps	2 variable-displacement pumps			
Maximum Rated Flow x 2	236 L/m (62.3 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				
System Voltage	EPA FT4/EU Stage IV 24 volt		EPA Tier 3/EU Stage IIIA / EPA Tier 2/EU Stage II 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				
Carrier Rollers (per side)	2			
Track Rollers (per side)				
HD/XD	8			
XDLC	9			
Shoes, Double Grousers (per side)				
HD	46			
XD	45			
Undercarriage Pitch				
HD	203 mm (8.0 in.)			
XD	216 mm (8.5 in.)			
Ground Pressure				
	2154G Road Builder		2154G Processor	
Undercarriage	2.62 m (8 ft. 7 in.) <i>HD</i> <i>XD</i>		2.79 m (9 ft. 2 in.) <i>HD</i> <i>XD</i>	
710-mm (28 in.) Double-Grouser Shoes	61.5 kPa (8.92 psi)*	57.9 kPa (8.40 psi)	53.1 kPa (7.70 psi)	54.3 kPa (7.88 psi)
			2.62 m (8 ft. 7 in.) <i>HD</i> <i>XD</i>	2.79 m (9 ft. 2 in.) <i>HD</i> <i>XDLC</i>
			62.3 kPa (9.04 psi)*	58.5 kPa (8.48 psi)
				53.7 kPa (7.79 psi)
				55.0 kPa (7.97 psi)

*600-mm (24 in.) double-grouser shoes.



Swing Mechanism	2154G Road Builder / Processor
Swing Speed	12.6 rpm
Swing Torque	74 376 Nm (54,857 lb.-ft.)

Operator's Station	
Operator Height from Ground (eye level)	
Side-Entry Forestry Cab	2998 mm (9 ft. 11 in.)
Rear-Entry Log Loader Cab	4345 mm (14 ft. 4 in.)

Serviceability	
Refill Capacities	
Fuel Tank	800.0 L (211 gal.)
Cooling System	30.5 L (8.1 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	2154G Road Builder	2154G Processor
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With full fuel tank, 79-kg (175 lb.) operator, side-entry forestry cab, 4187-kg (9,228 lb.) standard counterweight, 600-mm (24 in.) double-grouser shoes, and 2.62-m (8 ft. 7 in.) HD undercarriage; no attachment included

	<i>EPA FT4/EU Stage IV</i>	<i>EPA Tier 3/EU Stage IIIA / EPA Tier 2/EU Stage II</i>	<i>EPA FT4/EU Stage IV</i>	<i>EPA Tier 3/EU Stage IIIA / EPA Tier 2/EU Stage II</i>
SAE Operating Weight	28 000 kg (61,730 lb.)	27 773 kg (61,230 lb.)	28 352 kg (62,505 lb.)	28 125 kg (62,005 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.)
Undercarriage		
2.62-m (8 ft. 7 in.) XD	3240 kg (7,143 lb.)	3240 kg (7,143 lb.)
2.79-m (9 ft. 2 in.) HD	106 kg (233 lb.)	106 kg (233 lb.)
2.79-m (9 ft. 2 in.) XDLC	4030 kg (8,884 lb.)	4030 kg (8,884 lb.)
Counterweight		
Heavy	736 kg (1,622 lb.)	736 kg (1,622 lb.)
Extra Heavy	1526 kg (3,364 lb.)	1526 kg (3,364 lb.)

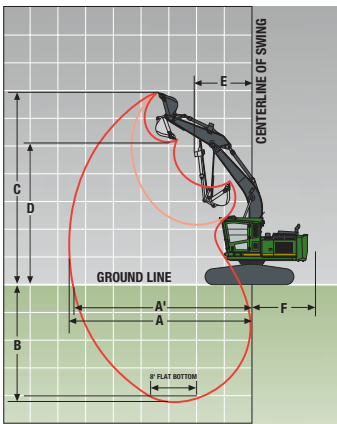
Operating Dimensions	
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With 800-mm (32 in.) shoes, 4187-kg (9,228 lb.) standard counterweight, full fuel tank, 79-kg (175 lb.) operator, and standard equipment

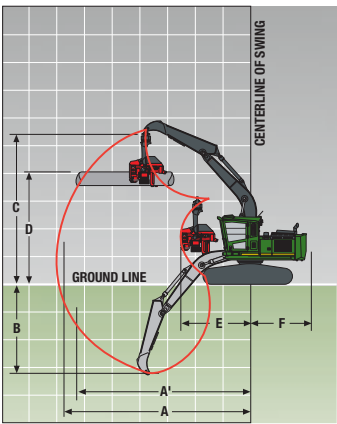
	<i>2.9-m (9 ft. 6 in.) Arm; 830-kg (1,830 lb.), 0.91-m³ (1.19 cu. yd.), 1065-mm (42 in.) Bucket</i>	<i>3.32-m (10 ft. 10 in.) Processor Arm</i>
A Maximum Reach	9.86 m (32 ft. 4 in.)	8.74 m (28 ft. 8 in.)
A' Maximum Reach at Ground Level	9.63 m (31 ft. 7 in.)	8.46 m (27 ft. 9 in.)
B Maximum Working Depth	5.64 m (18 ft. 6 in.)	4.72 m (15 ft. 6 in.)
C Maximum Working Height	11.05 m (36 ft. 3 in.)	9.68 m (31 ft. 9 in.)
D Maximum Log-Level Height*	8.33 m (27 ft. 4 in.)	7.26 m (23 ft. 10 in.)
E Minimum Swing Radius	2.36 m (7 ft. 9 in.)	2.74 m (9 ft. 0 in.)
F Tail Swing Radius	3.12 m (10 ft. 3 in.)	3.12 m (10 ft. 3 in.)

*Attachment dependent.

2154G Road Builder



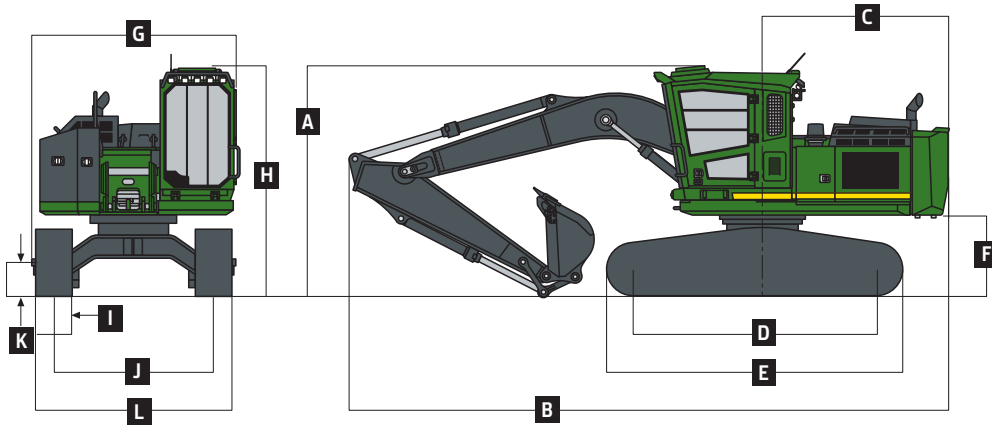
2154G Processor



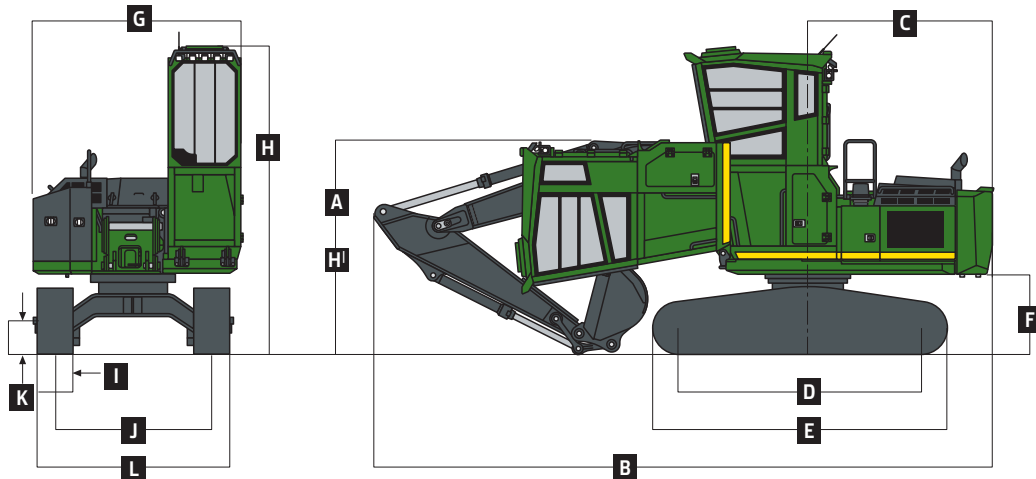
Machine not exactly as shown. Illustrations for dimensioning purposes only.

Machine Dimensions	2154G Road Builder				2154G Processor			
Undercarriage	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.)	
	HD	XD	HD	XDLC	HD	XD	HD	XDLC
A Machine Transport Height								
Side-Entry Cab	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)
Rear-Entry Cab	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.68 m (12 ft. 1 in.)	3.68 m (12 ft. 1 in.)	3.68 m (12 ft. 1 in.)	3.68 m (12 ft. 1 in.)
B Overall Length	9.83 m (32 ft. 3 in.)	9.83 m (32 ft. 3 in.)	9.83 m (32 ft. 3 in.)	9.83 m (32 ft. 3 in.)	9.86 m (32 ft. 4 in.)	9.86 m (32 ft. 4 in.)	9.86 m (32 ft. 4 in.)	9.86 m (32 ft. 4 in.)
C Rear-End Length / Swing Radius	3.10 m (10 ft. 2 in.)	3.10 m (10 ft. 2 in.)	3.10 m (10 ft. 2 in.)	3.10 m (10 ft. 2 in.)	3.10 m (10 ft. 2 in.)	3.10 m (10 ft. 2 in.)	3.10 m (10 ft. 2 in.)	3.10 m (10 ft. 2 in.)
D Distance Between Idler / Sprocket Centerline	3.66 m (12 ft. 0 in.)	3.73 m (12 ft. 3 in.)	3.66 m (12 ft. 0 in.)	4.06 m (13 ft. 4 in.)	3.66 m (12 ft. 0 in.)	3.73 m (12 ft. 3 in.)	3.66 m (12 ft. 0 in.)	4.06 m (13 ft. 4 in.)
E Undercarriage Length	4.45 m (14 ft. 7 in.)	4.70 m (15 ft. 5 in.)	4.45 m (14 ft. 7 in.)	5.03 m (16 ft. 6 in.)	4.45 m (14 ft. 7 in.)	4.70 m (15 ft. 5 in.)	4.45 m (14 ft. 7 in.)	5.03 m (16 ft. 6 in.)
F Counterweight Clearance	1.37 m (4 ft. 6 in.)	1.37 m (4 ft. 6 in.)	1.37 m (4 ft. 6 in.)	1.37 m (4 ft. 6 in.)	1.37 m (4 ft. 6 in.)	1.37 m (4 ft. 6 in.)	1.37 m (4 ft. 6 in.)	1.37 m (4 ft. 6 in.)
G Upperstructure Width	3.23 m (10 ft. 7 in.)	3.23 m (10 ft. 7 in.)	3.23 m (10 ft. 7 in.)	3.23 m (10 ft. 7 in.)	3.23 m (10 ft. 7 in.)	3.23 m (10 ft. 7 in.)	3.23 m (10 ft. 7 in.)	3.23 m (10 ft. 7 in.)
H Cab Operating Height								
Side-Entry Cab	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)
Rear-Entry Cab	5.13 m (16 ft. 10 in.)	5.13 m (16 ft. 10 in.)	5.13 m (16 ft. 10 in.)	5.13 m (16 ft. 10 in.)	5.13 m (16 ft. 10 in.)	5.13 m (16 ft. 10 in.)	5.13 m (16 ft. 10 in.)	5.13 m (16 ft. 10 in.)
H' Tilted Cab Height (rear-entry cab)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)
I Track Shoe Width	600 mm (24 in.)	710 mm (28 in.)	710 mm (28 in.)	710 mm (28 in.)	600 mm (24 in.)	710 mm (28 in.)	710 mm (28 in.)	710 mm (28 in.)
J Center of Sprocket to Center of Sprocket	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.)	2.62 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.)
K Ground Clearance	0.71 m (28 in.)	0.71 m (28 in.)	0.76 m (30 in.)	0.76 m (30 in.)	0.71 m (28 in.)	0.71 m (28 in.)	0.76 m (30 in.)	0.76 m (30 in.)
L Undercarriage Width	3.28 m (10 ft. 9 in.) w/ 600-mm (24 in.) shoes	3.33 m (10 ft. 11 in.) w/ 710-mm (28 in.) shoes	3.51 m (11 ft. 6 in.) w/ 710-mm (28 in.) shoes	3.53 m (11 ft. 7 in.) w/ 710-mm (28 in.) shoes	3.28 m (10 ft. 9 in.) w/ 600-mm (24 in.) shoes	3.33 m (10 ft. 11 in.) w/ 710-mm (28 in.) shoes	3.51 m (11 ft. 6 in.) w/ 710-mm (28 in.) shoes	3.53 m (11 ft. 7 in.) w/ 710-mm (28 in.) shoes

2154G Road Builder – Side-Entry Cab

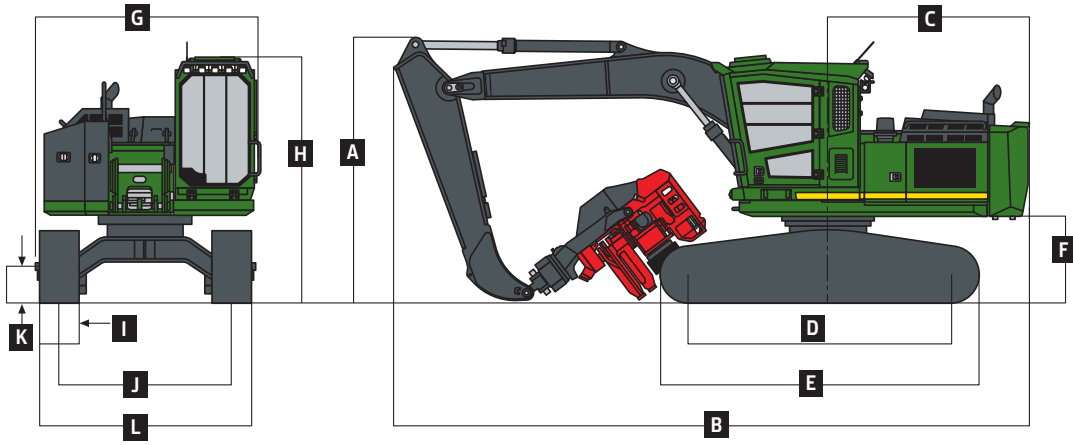


2154G Road Builder – Rear-Entry Cab

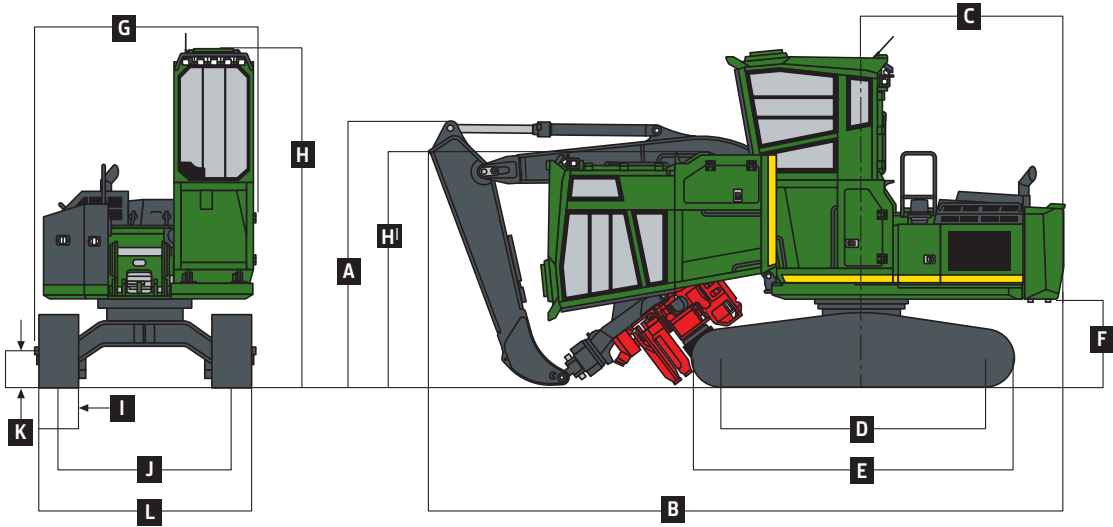


Machine Dimensions (continued)

2154G Processor – Side-Entry Cab



2154G Processor – Rear-Entry Cab



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 — 2154G Road Builder with 2.79-m (9 ft. 2 in.) HD undercarriage, 710-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.)	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
7.6 m (25 ft.)			5010	5010	5070	5070		
			(11,040)	(11,040)	(11,170)	(11,170)		
6.1 m (20 ft.)			5420	5420	5070	5070		
			(11,950)	(11,950)	(11,160)	(11,160)		
4.6 m (15 ft.)	9030	9030	6620	6620	5570	5570	5050	5050
	(19,910)	(19,910)	(14,590)	(14,590)	(12,280)	(12,280)	(11,130)	(11,130)
3.1 m (10 ft.)			8260	8260	6310	6310	5350	5350
			(18,210)	(18,210)	(13,900)	(13,900)	(11,790)	(11,790)
1.5 m (5 ft.)			9580	9580	6980	6980	5650	5650
			(21,110)	(21,110)	(15,380)	(15,380)	(12,450)	(12,450)
Ground Line	15 040	15 040	10 040	10 040	7330	7330	5770	5610
	(33,160)	(33,160)	(22,140)	(22,140)	(16,160)	(16,160)	(12,710)	(12,370)
-1.5 m (-5 ft.)	13 840	13 840	9700	9700	7180	7180	5420	5420
	(30,510)	(30,510)	(21,380)	(21,380)	(15,830)	(15,830)	(11,940)	(11,940)
-3.1 m (-10 ft.)	11 750	11 750	8520	8520	6260	6260		
	(25,900)	(25,900)	(18,780)	(18,780)	(13,790)	(13,790)		

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 — 2154G Processor with 2.79-m (9 ft. 2 in.) HD undercarriage, 710-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.)	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
7.6 m (25 ft.)					4680 (10,320)	4680 (10,320)		
6.1 m (20 ft.)			4920 (10,850)	4920 (10,850)	4780 (10,530)	4780 (10,530)	4730 (10,430)	4730 (10,430)
4.6 m (15 ft.)	7790 (17,180)	7790 (17,180)	6140 (13,530)	6140 (13,530)	5330 (11,750)	5330 (11,750)	4900 (10,790)	4900 (10,790)
3.1 m (10 ft.)	12 610 (27,800)	12 610 (27,800)	7880 (17,370)	7880 (17,370)	6130 (13,520)	6130 (13,520)	5260 (11,590)	5260 (11,590)
1.5 m (5 ft.)	15 740 (34,680)	15 740 (34,680)	9430 (20,780)	9430 (20,780)	6920 (15,240)	6920 (15,240)	5640 (12,430)	5440 (11,990)
Ground Line	15 860 (34,950)	15 860 (34,950)	10 180 (22,430)	10 180 (22,430)	7400 (16,320)	7230 (15,930)	5860 (12,920)	5330 (11,750)
-1.5 m (-5 ft.)	14 880 (32,800)	14 880 (32,800)	10 080 (22,220)	10 080 (22,220)	7420 (16,360)	7130 (15,720)	5730 (12,630)	5290 (11,660)
-3.1 m (-10 ft.)	13 010 (28,680)	13 010 (28,680)	9160 (20,190)	9160 (20,190)	6770 (14,920)	6770 (14,920)		

2156G

Engine	2156G Valve-in-Head (VIH) Log Loader / Live-Heel Log Loader			
	Base engine for use in U.S., U.S. Territories, and Canada		Optional engine for use in 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 (FT4)/EU Stage IV		EPA Tier 3/EU Stage IIIA / EPA Tier 2/EU Stage II	
Net Rated Power (ISO 9249)	122 kW (164 hp) at 2,000 rpm		122 kW (164 hp) at 2,000 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 with optional reversing fan			
Powertrain				
2-speed propel with automatic shift				
Undercarriage	2.62-m (8 ft. 7 in.) Heavy Duty (HD)		2.79-m (9 ft. 2 in.) HD X DLC	
Maximum Travel Speed				
Low	3.2 km/h (2.0 mph)	2.6 km/h (1.6 mph)	3.2 km/h (2.0 mph)	2.6 km/h (1.6 mph)
High	4.8 km/h (3.0 mph)	3.6 km/h (2.2 mph)	4.8 km/h (3.0 mph)	3.6 km/h (2.2 mph)
Drawbar Pull	22 634 kgf (49,900 lbf)	30 350 kgf (66,910 lbf)	22 634 kgf (49,900 lbf)	30 350 kgf (66,910 lbf)
Hydraulics				
Open center, pilot operated				
Main Pumps	2 variable-displacement pumps			
Maximum Rated Flow x 2	236 L/m (62.3 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				
System Voltage	EPA FT4/EU Stage IV 24 volt		EPA Tier 3/EU Stage IIIA / EPA Tier 2/EU Stage II 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				
Carrier Rollers (per side)	2			
Track Rollers (per side)				
HD/XD	8			
X DLC	9			
Shoes, Double Grousers (per side)				
HD	46			
XD	45			
Undercarriage Pitch				
HD	203 mm (8.0 in.)			
XD	216 mm (8.5 in.)			
Ground Pressure				
	2156G VIH Log Loader		2156G Live-Heel Log Loader	
Undercarriage	2.62 m (8 ft. 7 in.) HD X DLC		2.79 m (9 ft. 2 in.) HD X DLC	
710-mm (28 in.) Double-Grouser Shoes	67.6 kPa (9.80 psi)*	62.9 kPa (9.12 psi)	58.2 kPa (8.44 psi)	59.0 kPa (8.56 psi)
			68.2 kPa (9.89 psi)*	63.5 kPa (9.21 psi)
			58.7 kPa (8.51 psi)	59.5 kPa (8.63 psi)

*600-mm (24 in.) double-grouser shoes.



Swing Mechanism 2156G VIH Log Loader / Live-Heel Log Loader

Swing Speed	12.6 rpm
Swing Torque	74 376 Nm (54,857 lb.-ft.)

Operator's Station

Operator Height from Ground (eye level)	
Side-Entry Forestry Cab	2998 mm (9 ft. 11 in.)
Rear-Entry Log Loader Cab	4345 mm (14 ft. 4 in.)

Serviceability

Refill Capacities

Fuel Tank	800.0 L (211 gal.)
Cooling System	30.5 L (8.1 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 2156G VIH Log Loader 2156G Live-Heel Log Loader

With full fuel tank, 79-kg (175 lb.) operator, rear-entry forestry cab, 4923-kg (10,850 lb.) heavy counterweight, 710-mm (28 in.) double-grouser shoes, and 2.79-m (9 ft. 2 in.) undercarriage; no attachment included

	EPA FT4/EU Stage IV	EPA Tier 3/EU Stage IIIA / EPA Tier 2/EU Stage II	EPA FT4/EU Stage IV	EPA Tier 3/EU Stage IIIA / EPA Tier 2/EU Stage II
SAE Operating Weight	30 882 kg (68,083 lb.)	30 655 kg (67,583 lb.)	31 169 kg (68,715 lb.)	30 942 kg (68,215 lb.)

Optional Components (add weight)

	2156G VIH Log Loader	2156G Live-Heel Log Loader
Side-Entry Cab	-671 kg (-1,480 lb.)	-671 kg (-1,480 lb.)
Rear-Entry Cab – Cab Forward	68 kg (150 lb.)	68 kg (150 lb.)
Undercarriage		
2.62-m (8 ft. 7 in.) HD	-106 kg (-233 lb.)	-106 kg (-233 lb.)
2.62-m (8 ft. 7 in.) XD	3134 kg (6,910 lb.)	3134 kg (6,910 lb.)
2.79-m (9 ft. 2 in.) XDLC	3924 kg (8,651 lb.)	3924 kg (8,651 lb.)
Extra-Heavy Counterweight	790 kg (1,742 lb.)	790 kg (1,742 lb.)

Operating Dimensions

With 710-mm (28 in.) shoes, 4923-kg (10,850 lb.) heavy counterweight, full fuel tank, 79-kg (175 lb.) operator, and standard equipment

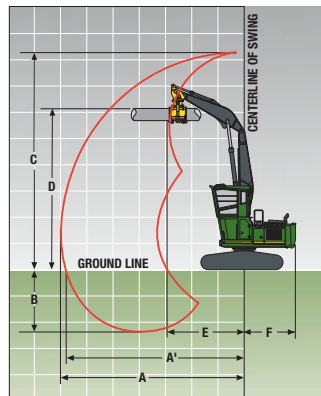
	4.32-m (14 ft. 2 in.) VIH Log Loader Arm	4.04-m (13 ft. 3 in.) Live-Heel Log Loader Arm
A Maximum Reach	9.93 m (32 ft. 7 in.)	10.97 m (36 ft. 0 in.)
A' Maximum Reach at Ground Level	9.70 m (31 ft. 10 in.)	10.77 m (35 ft. 4 in.)
B Maximum Working Depth	3.30 m (10 ft. 10 in.)	4.32 m (14 ft. 2 in.)
C Maximum Working Height	11.61 m (38 ft. 1 in.)	12.65 m (41 ft. 6 in.)
D Maximum Log-Level Height	9.19 m (30 ft. 2 in.)*	8.23 m (27 ft. 0 in.) [†]
D' Maximum Log-Level Height	N/A	9.25 m (30 ft. 4 in.) [‡]
E Minimum Swing Radius	4.57 m (15 ft. 0 in.)	4.24 m (13 ft. 11 in.)
F Tail Swing Radius	3.12 m (10 ft. 3 in.)	3.12 m (10 ft. 3 in.)

*Attachment dependent.

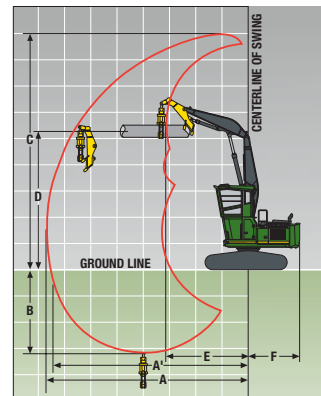
[†]Log resting on heel rack rear plate, attachment dependent.

[‡]Log resting on heel rack front plate, attachment dependent.

2156G VIH

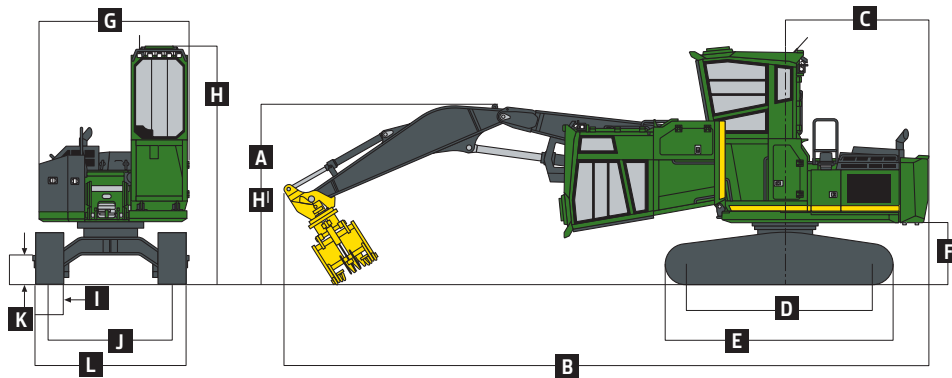


2156G Live Heel

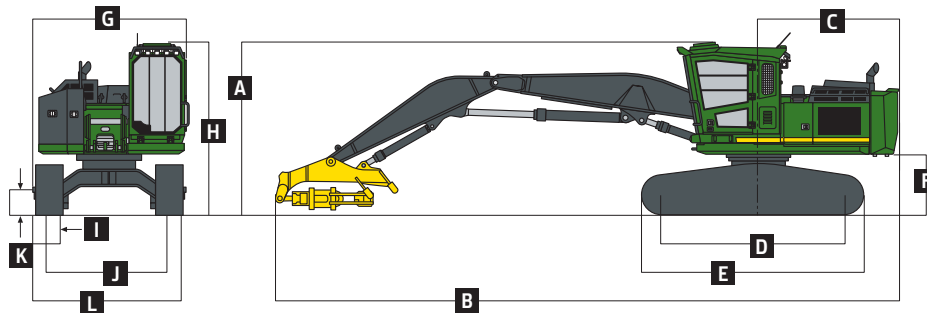


Machine Dimensions	2156G VIH Log Loader				2156G Live-Heel Log Loader			
Undercarriage	2.62 m (8 ft. 7 in.)		2.79 m (9 ft. 2 in.)		2.62 m (8 ft. 7 in.)		2.79 m (9 ft. 2 in.)	
	HD	XD	HD	XDLC	HD	XD	HD	XDLC
A Machine Transport Height								
Side-Entry Cab	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)
Rear-Entry Cab	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)
B Overall Length	13.67 m (44 ft. 10 in.)	13.67 m (44 ft. 10 in.)	13.67 m (44 ft. 10 in.)	13.67 m (44 ft. 10 in.)	13.49 m (44 ft. 3 in.)	13.49 m (44 ft. 3 in.)	13.49 m (44 ft. 3 in.)	13.49 m (44 ft. 3 in.)
C Rear-End Length / Swing Radius	3.10 m (10 ft. 2 in.)	3.10 m (10 ft. 2 in.)	3.10 m (10 ft. 2 in.)	3.10 m (10 ft. 2 in.)	3.10 m (10 ft. 2 in.)	3.10 m (10 ft. 2 in.)	3.10 m (10 ft. 2 in.)	3.10 m (10 ft. 2 in.)
D Distance Between Idler / Sprocket Centerline	3.66 m (12 ft. 0 in.)	3.73 m (12 ft. 3 in.)	3.66 m (12 ft. 0 in.)	4.06 m (13 ft. 4 in.)	3.66 m (12 ft. 0 in.)	3.73 m (12 ft. 3 in.)	3.66 m (12 ft. 0 in.)	4.06 m (13 ft. 4 in.)
E Undercarriage Length	4.45 m (14 ft. 7 in.)	4.70 m (15 ft. 5 in.)	4.45 m (14 ft. 7 in.)	5.03 m (16 ft. 6 in.)	4.45 m (14 ft. 7 in.)	4.70 m (15 ft. 5 in.)	4.45 m (14 ft. 7 in.)	5.03 m (16 ft. 6 in.)
F Counterweight Clearance	1.37 m (4 ft. 6 in.)	1.37 m (4 ft. 6 in.)	1.37 m (4 ft. 6 in.)	1.37 m (4 ft. 6 in.)	1.37 m (4 ft. 6 in.)	1.37 m (4 ft. 6 in.)	1.37 m (4 ft. 6 in.)	1.37 m (4 ft. 6 in.)
G Upperstructure Width	3.23 m (10 ft. 7 in.)	3.23 m (10 ft. 7 in.)	3.23 m (10 ft. 7 in.)	3.23 m (10 ft. 7 in.)	3.23 m (10 ft. 7 in.)	3.23 m (10 ft. 7 in.)	3.23 m (10 ft. 7 in.)	3.23 m (10 ft. 7 in.)
H Cab Operating Height								
Side-Entry Cab	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)
Rear-Entry Cab	5.13 m (16 ft. 10 in.)	5.13 m (16 ft. 10 in.)	5.13 m (16 ft. 10 in.)	5.13 m (16 ft. 10 in.)	5.13 m (16 ft. 10 in.)	5.13 m (16 ft. 10 in.)	5.13 m (16 ft. 10 in.)	5.13 m (16 ft. 10 in.)
HI Tilted Cab Height (rear-entry cab)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)
I Track Shoe Width	600 mm (24 in.)	710 mm (28 in.)	710 mm (28 in.)	710 mm (28 in.)	600 mm (24 in.)	710 mm (28 in.)	710 mm (28 in.)	710 mm (28 in.)
J Center of Sprocket to Center of Sprocket	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.)	2.62 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.)
K Ground Clearance	0.71 m (28 in.)	0.71 m (28 in.)	0.76 m (30 in.)	0.76 m (30 in.)	0.71 m (28 in.)	0.71 m (28 in.)	0.76 m (30 in.)	0.76 m (30 in.)
L Undercarriage Width	3.28 m (10 ft. 9 in.) w/ 600-mm (24 in.) shoes	3.33 m (10 ft. 11 in.) w/ 710-mm (28 in.) shoes	3.51 m (11 ft. 6 in.) w/ 710-mm (28 in.) shoes	3.53 m (11 ft. 7 in.) w/ 710-mm (28 in.) shoes	3.28 m (10 ft. 9 in.) w/ 600-mm (24 in.) shoes	3.33 m (10 ft. 11 in.) w/ 710-mm (28 in.) shoes	3.51 m (11 ft. 6 in.) w/ 710-mm (28 in.) shoes	3.53 m (11 ft. 7 in.) w/ 710-mm (28 in.) shoes

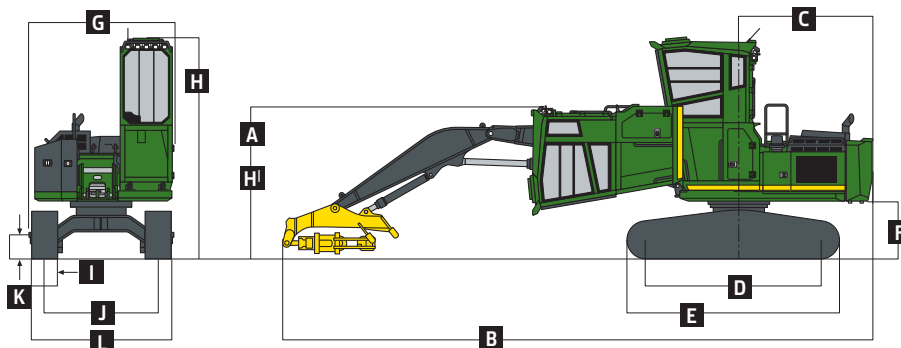
2156G VIH



2156G Live Heel – Side-Entry Cab



2156G Live Heel – Rear-Entry Cab



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 — 2156G VIH Log Loader with 2.79-m (9 ft. 2 in.) HD undercarriage, 710-mm (28 in.) shoes, and heavy counterweight; bare pin								
Load Point Height	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
10.7 m (35 ft.)	11 700 (25,800)	11 700 (25,800)						
9.1 m (30 ft.)	10 240 (22,570)	10 240 (22,570)	9110 (20,070)	8820 (19,440)				
7.6 m (25 ft.)			8770 (19,340)	8770 (19,340)	7900 (17,410)	6210 (13,690)		
6.1 m (20 ft.)	10 360 (22,830)	10 360 (22,830)	8970 (19,770)	8860 (19,540)	7910 (17,420)	6210 (13,700)		
4.6 m (15 ft.)	11 620 (25,600)	11 620 (25,600)	9540 (21,030)	8630 (19,010)	7790 (17,170)	6110 (13,460)	5840 (12,880)	4580 (10,100)
3.1 m (10 ft.)			10 260 (22,600)	8280 (18,250)	7610 (16,780)	5940 (13,090)	5770 (12,720)	4520 (9,950)
1.5 m (5 ft.)			10 350 (22,820)	7920 (17,450)	7420 (16,350)	5760 (12,690)	5690 (12,540)	4430 (9,770)
Ground Line	14 380 (31,700)	11 580 (25,520)	10 050 (22,150)	7640 (16,840)	7270 (16,010)	5610 (12,370)	5630 (12,400)	4380 (9,640)
-1.5 m (-5 ft.)	12 630 (27,830)	11 360 (25,040)	9450 (20,830)	7500 (16,530)	7070 (15,580)	5540 (12,210)	4490 (9,910)	4380 (9,650)
-3.1 m (-10 ft.)	9380 (20,670)	9380 (20,670)	7160 (15,780)	7160 (15,780)				

Lift Capacity — 2156G Live-Heel Log Loader with 2.62-m (8 ft. 7 in.) XD undercarriage, 710-mm (28 in.) shoes, and heavy 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.)		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.)	15 740 (34,680)	15 740 (34,680)										
10.7 m (35 ft.)			9790 (21,580)	9790 (21,580)	8750 (19,290)	7960 (17,550)						
9.1 m (30 ft.)					7820 (17,240)	7820 (17,240)	7150 (15,750)	5710 (12,580)				
7.6 m (25 ft.)					7670 (16,900)	7670 (16,900)	6910 (15,220)	5960 (13,140)	6160 (13,570)	4400 (9,700)		
6.1 m (20 ft.)					7930 (17,480)	7930 (17,480)	7040 (15,510)	5970 (13,160)	6180 (13,630)	4440 (9,780)		
4.6 m (15 ft.)			9660 (21,290)	9660 (21,290)	8630 (19,020)	8550 (18,850)	7350 (16,190)	5880 (12,960)	6020 (13,270)	4280 (9,430)	4670 (10,290)	3280 (7,220)
3.1 m (10 ft.)			11 450 (25,240)	11 450 (25,240)	9420 (20,760)	8230 (18,140)	7700 (16,960)	5720 (12,610)	6000 (13,220)	4250 (9,370)	4660 (10,270)	3260 (7,190)
1.5 m (5 ft.)			13 190 (29,080)	12 060 (26,580)	10 090 (22,240)	7820 (17,240)	7840 (17,270)	5540 (12,200)	5910 (13,020)	4170 (9,190)	4610 (10,160)	3220 (7,090)
Ground Line			13 950 (30,740)	11 360 (25,030)	10 200 (22,490)	7480 (16,480)	7650 (16,870)	5370 (11,830)	5780 (12,750)	4060 (8,940)	4440 (9,780)	3190 (7,020)
-1.5 m (-5 ft.)	6330 (13,960)	6330 (13,960)	13 230 (29,160)	10 970 (24,180)	9640 (21,250)	7250 (15,990)	7510 (16,560)	5240 (11,540)	5330 (11,750)	3980 (8,780)		
-3.1 m (-10 ft.)	9720 (21,420)	9720 (21,420)	10 930 (24,100)	10 810 (23,830)	8210 (18,100)	7210 (15,890)	6570 (14,490)	5200 (11,470)	3650 (8,050)	3650 (8,050)		

Lift Capacity — 2156G Live-Heel Log Loader with 2.79-m (9 ft. 2 in.) HD undercarriage, 710-mm (28 in.) shoes, and heavy 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.)		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.)	15 740 (34,680)	15 740 (34,680)										
10.7 m (35 ft.)			9790 (21,580)	9790 (21,580)	8750 (19,290)	7840 (17,290)						
9.1 m (30 ft.)					7820 (17,240)	7820 (17,240)	7150 (15,750)	5580 (12,300)				
7.6 m (25 ft.)					7670 (16,900)	7670 (16,900)	6910 (15,220)	5840 (12,870)	5570 (12,270)	4290 (9,450)		
6.1 m (20 ft.)					7930 (17,480)	7930 (17,480)	7040 (15,510)	5850 (12,900)	5600 (12,350)	4320 (9,530)		
4.6 m (15 ft.)			9660 (21,290)	9660 (21,290)	8630 (19,020)	8440 (18,600)	7350 (16,190)	5760 (12,690)	5440 (11,980)	4160 (9,170)	4180 (9,220)	3170 (6,980)
3.1 m (10 ft.)			11 450 (25,240)	11 450 (25,240)	9330 (20,560)	8120 (17,890)	7290 (16,070)	5600 (12,340)	5420 (11,950)	4150 (9,150)	4170 (9,180)	3150 (6,950)
1.5 m (5 ft.)			13 190 (29,080)	11 880 (26,180)	10 040 (22,120)	7700 (16,970)	7090 (15,630)	5410 (11,920)	5320 (11,725)	4050 (8,930)	4120 (9,080)	3110 (6,850)
Ground Line			10 540 (23,230)	10 540 (23,230)	9790 (21,570)	7350 (16,190)	6910 (15,230)	5240 (11,550)	5200 (11,460)	3940 (8,680)	4090 (9,020)	3080 (6,790)
-1.5 m (-5 ft.)	6330 (13,960)	6330 (13,960)	13 270 (29,240)	10 920 (24,070)	9480 (20,900)	7060 (15,570)	6770 (14,930)	5110 (11,270)	5140 (11,330)	3880 (8,550)		
-3.1 m (-10 ft.)	8770 (19,320)	8770 (19,320)	10 930 (24,100)	10 710 (23,610)	8210 (18,100)	7070 (15,590)	6570 (14,490)	5070 (11,180)	3650 (8,050)	3650 (8,050)		

2654G

Engine		2654G Road Builder / Processor	
	Base engine for use in U.S., U.S. Territories, and Canada	Optional engine for use in Brazil, Australia, and New Zealand	Optional engine for use in Russia, Argentina, Venezuela, Chile, and Uruguay
Manufacturer and Model	John Deere PowerTech™ PVS 6.8 L	John Deere PowerTech™ Plus 6.8 L	John Deere PowerTech Plus 6.8 L
Non-Road Emission Standards	EPA Final Tier 4 (FT4)/EU Stage IV	EPA Tier 3/EU Stage IIIA	EPA Tier 2/EU Stage II
Net Rated Power (ISO 9249)	145 kW (194 hp) at 2,100 rpm	145 kW (194 hp) at 2,100 rpm	145 kW (194 hp) at 2,100 rpm
Cylinders	6	6	6
Engine Displacement	6.8 L (415 cu. in.)	6.8 L (415 cu. in.)	6.8 L (415 cu. in.)
Off-Level Capacity	70% (35 deg.)	70% (35 deg.)	70% (35 deg.)
Aspiration	Turbocharged, air-to-air charge-air cooler	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	Full-flow spin-on filter
Cooling			
Fan Drive	Cool-on-demand hydraulic-driven, suction-type fan remote-mounted drive with optional reversing fan		
Powertrain			
2-speed propel with automatic shift			
Maximum Travel Speed			
Low	2.6 km/h (1.6 mph)		
High	3.9 km/h (2.4 mph)		
Drawbar Pull	30 350 kgf (66,910 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			
	EPA FT4/EU Stage IV	EPA Tier 3/EU Stage IIIA / EPA Tier 2/EU Stage II	
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			
	2.62 m (8 ft. 7 in.)	2.79 m (9 ft. 2 in.) LC	
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.)	2.62 m (8 ft. 7 in.)
710-mm (28 in.) Double-Grouser Shoes	61.5 kPa (8.92 psi)	58.0 kPa (8.41 psi)
Swing Mechanism	2654G Road Builder / Processor	2654G Processor
Swing Speed	10.6 rpm	10.6 rpm
Swing Torque	107 869 Nm (79,560 lb.-ft.)	107 869 Nm (79,560 lb.-ft.)

Operator's Station	2654G Road Builder	2654G Processor
Operator Height from Ground (eye level)		
Side-Entry Forestry Cab	3085 mm (10 ft. 2 in.)	3085 mm (10 ft. 2 in.)
Rear-Entry Log Loader Cab	4432 mm (14 ft. 6 in.)	4432 mm (14 ft. 6 in.)

Serviceability

Refill Capacities	2654G Road Builder	2654G Processor
Fuel Tank	800.0 L (211 gal.)	800.0 L (211 gal.)
Cooling System	23.0 L (6.0 gal.)	23.0 L (6.0 gal.)
Diesel Exhaust Fluid (DEF) Tank (FT4)	42.4 L (11.2 gal.)	42.4 L (11.2 gal.)
Engine Crankcase (including filter)	20.0 L (20.6 qt.)	20.0 L (20.6 qt.)
Hydraulic Tank Oil	147.6 L (39.0 gal.)	147.6 L (39.0 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.) standard counterweight, 710-mm (28 in.) double-grouser shoes, and 2.62-m (8 ft. 7 in.) undercarriage; no attachment included

SAE Operating Weight	EPA FT4/EU Stage IV	EPA Tier 3/EU Stage IIIA / EPA Tier 2/EU Stage II	EPA FT4/EU Stage IV	EPA Tier 3/EU Stage IIIA / EPA Tier 2/EU Stage II
	33 272 kg (73,353 lb.)	33 046 kg (72,853 lb.)	34 317 kg (75,656 lb.)	34 090 kg (75,156 lb.)

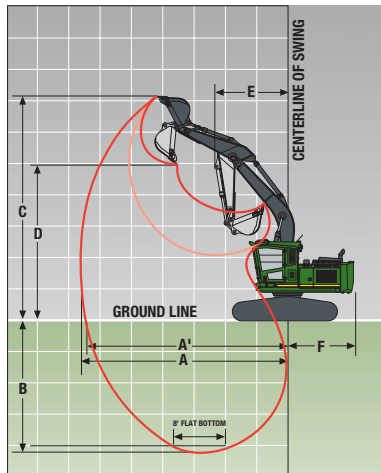
Optional Components (add weight)	2654G Road Builder	2654G Processor
Rear-Entry Cab	671 kg (1,480 lb.)	671 kg (1,480 lb.)
Cab Forward	739 kg (1,630 lb.)	739 kg (1,630 lb.)
2.79-m (9 ft. 2 in.) LC Undercarriage	790 kg (1,741 lb.)	790 kg (1,741 lb.)
Heavy Counterweight	549 kg (1,210 lb.)	549 kg (1,210 lb.)

Operating Dimensions

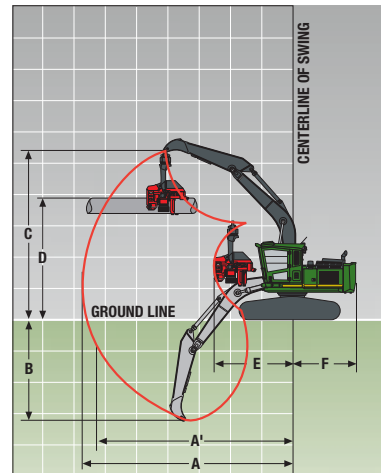
With 710-mm (28 in.) shoes, 4551-kg (10,030 lb.) standard counterweight, full fuel tank, 79-kg (175 lb.) operator, and standard equipment

	2654G Road Builder	2654G Processor
	2.95-m (9 ft. 8 in.) Arm; 996-kg (2,195 lb.), 1.06-m ³ (1.38 cu. yd.), 1065-mm (42 in.) Bucket	3.40-m (11 ft. 2 in.) Processor Arm
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

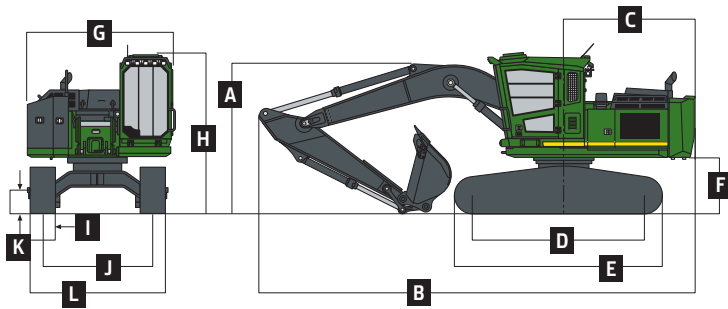


Machine not exactly as shown. Illustrations for dimensioning purposes only.

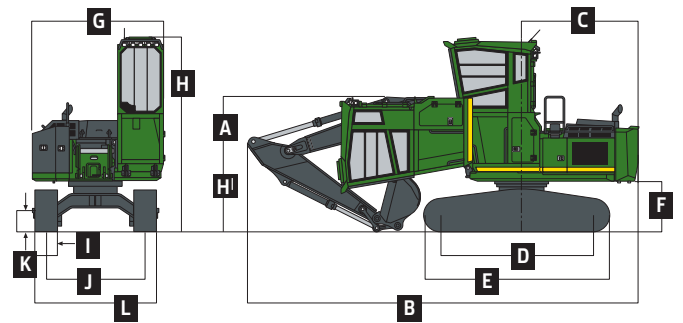
2654G

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 Machine Transport Height				
Side-Entry Cab	3.84 m (12 ft. 7 in.)	3.84 m (12 ft. 7 in.)	3.96 m (13 ft. 0 in.)	3.96 m (13 ft. 0 in.)
Rear-Entry Cab	3.76 m (12 ft. 4 in.)	3.76 m (12 ft. 4 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.)	1.40 m (4 ft. 7 in.)	1.40 m (4 ft. 7 in.)	1.40 m (4 ft. 7 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 Operating Height				
Side-Entry Cab	3.84 m (12 ft. 7 in.)	3.84 m (12 ft. 7 in.)	3.84 m (12 ft. 7 in.)	3.84 m (12 ft. 7 in.)
Rear-Entry Cab	5.18 m (17 ft. 0 in.)	5.18 m (17 ft. 0 in.)	5.18 m (17 ft. 0 in.)	5.18 m (17 ft. 0 in.)
H^I Tilted Cab Height (rear-entry cab)	3.76 m (12 ft. 4 in.)	3.76 m (12 ft. 4 in.)	3.76 m (12 ft. 4 in.)	3.76 m (12 ft. 4 in.)
I Track Width with 710-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 660-mm (26 in.) Double-Grouser Shoes	3.33 m (10 ft. 11 in.)	3.53 m (11 ft. 7 in.)	3.33 m (10 ft. 11 in.)	3.53 m (11 ft. 6 in.)

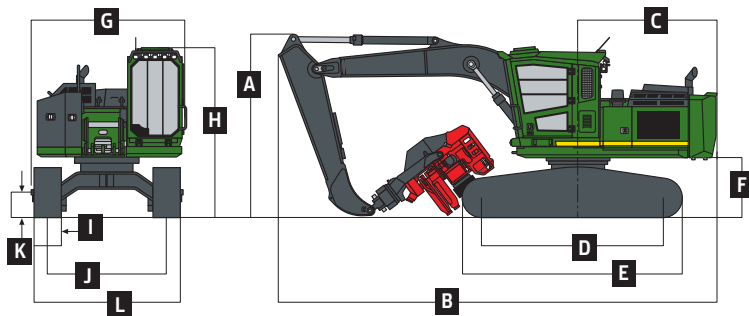
2654G Road Builder – Side-Entry Cab



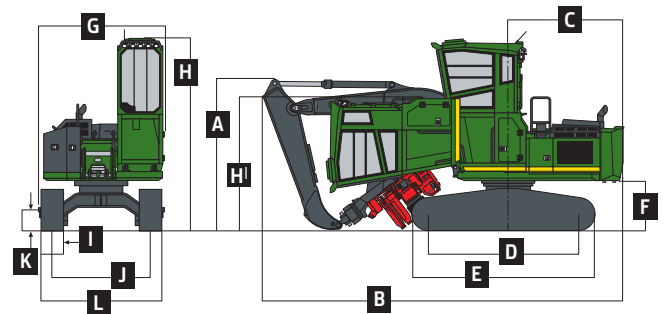
2654G Road Builder – Rear-Entry Cab



2654G Processor – Side-Entry Cab



2654G Processor – Rear-Entry Cab



Attachment weight is not included when calculating the lift capacities.

2654G

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

Lift Capacity — 2654G Processor with 2.79-m (9 ft. 2 in.) LC undercarriage, 710-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.)	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
7.6 m (25 ft.)					5090 (11,230)	5090 (11,230)		
6.1 m (20 ft.)			5710 (12,590)	5710 (12,590)	5410 (11,920)	5410 (11,920)	5250 (11,570)	5250 (11,570)
4.6 m (15 ft.)	9960 (21,960)	9960 (21,960)	7330 (16,150)	7330 (16,150)	6170 (13,610)	6170 (13,610)	5570 (12,280)	5570 (12,280)
3.1 m (10 ft.)	15 830 (34,880)	15 830 (34,880)	9430 (20,780)	9430 (20,780)	7170 (15,810)	7170 (15,810)	6070 (13,370)	6070 (13,370)
1.5 m (5 ft.)	18 580 (40,950)	18 580 (40,950)	11 150 (24,570)	11 150 (24,570)	8100 (17,840)	8100 (17,840)	6560 (14,450)	6270 (13,820)
Ground Line	18 410 (40,580)	18 410 (40,580)	11 930 (26,300)	11 930 (26,300)	8670 (19,120)	8310 (18,320)	6870 (15,140)	6130 (13,510)
-1.5 m (-5 ft.)	17 370 (38,280)	17 370 (38,280)	11 840 (26,100)	11 840 (26,100)	8750 (19,280)	8210 (18,090)	6820 (15,040)	6080 (13,390)
-3.1 m (-10 ft.)	15 440 (34,040)	15 440 (34,040)	10 910 (24,050)	10 910 (24,050)	8150 (17,960)	8150 (17,960)		

2656G

Engine		2656G Valve-in-Head (VIH) Log Loader / Live-Heel Log Loader	
	Base engine for use in U.S., U.S. Territories, and Canada	Optional engine for use in Brazil, Australia, and New Zealand	Optional engine for use in Russia, Argentina, Venezuela, Chile, and Uruguay
Manufacturer and Model	John Deere PowerTech™ PVS 6.8 L	John Deere PowerTech™ Plus 6.8 L	John Deere PowerTech Plus 6.8 L
Non-Road Emission Standards	EPA Final Tier 4 (FT4)/EU Stage IV	EPA Tier 3/EU Stage IIIA	EPA Tier 2/EU Stage II
Net Rated Power (ISO 9249)	145 kW (194 hp) at 2,100 rpm	145 kW (194 hp) at 2,100 rpm	145 kW (194 hp) at 2,100 rpm
Cylinders	6	6	6
Engine Displacement	6.8 L (415 cu. in.)	6.8 L (415 cu. in.)	6.8 L (415 cu. in.)
Off-Level Capacity	70% (35 deg.)	70% (35 deg.)	70% (35 deg.)
Aspiration	Turbocharged, air-to-air charge-air cooler	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	Full-flow spin-on filter
Cooling			
Fan Drive	Cool-on-demand hydraulic-driven, suction-type fan remote-mounted drive with optional reversing fan		
Powertrain			
2-speed propel with automatic shift			
Maximum Travel Speed			
Low	2.6 km/h (1.6 mph)		
High	3.9 km/h (2.4 mph)		
Drawbar Pull	30 350 kgf (66,910 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			
	EPA FT4/EU Stage IV	EPA Tier 3/EU Stage IIIA / EPA Tier 2/EU Stage II	
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			
	2.79-m (9 ft. 2 in.) LC		
Rollers (per side)			
Carrier	2		
Track	9		
Shoes, Double Grousers (per side)	48		
Undercarriage Pitch	216 mm (8.5 in.)		



Ground Pressure	2656G VIH Log Loader	2656G Live-Heel Log Loader
Undercarriage	2.79-m (9 ft. 2 in.) LC	2.79-m (9 ft. 2 in.) LC
710-mm (28 in.) Double-Grouser Shoes	60.7 kPa (8.80 psi)	61.3 kPa (8.89 psi)
Swing Mechanism	2656G VIH Log Loader / Live-Heel Log Loader	
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	147.6 L (39.0 gal.)	

Operating Weights	2656G VIH Log Loader	2656G Live-Heel Log Loader
With full fuel tank, 79-kg (175 lb.) operator, rear-entry forestry cab, 5100-kg (11,240 lb.) heavy counterweight, 710-mm (28 in.) double-grouser shoes, and 2.79-m (9 ft. 2 in.) LC undercarriage; no attachment included		

	EPA FT4/EU Stage IV	EPA Tier 3/EU Stage IIIA / EPA Tier 2/EU Stage II	EPA FT4/EU Stage IV	EPA Tier 3/EU Stage IIIA / EPA Tier 2/EU Stage II
SAE Operating Weight	35 925 kg (79,200 lb.)	35 698 kg (78,700 lb.)	36 252 kg (79,922 lb.)	36 025 kg (79,422 lb.)

Optional Components (add weight)		
Side-Entry Cab	-671 kg (1,480 lb.)	-672 kg (1,480 lb.)
Rear-Entry Cab – Cab Forward	68 kg (150 lb.)	68 kg (150 lb.)

Operating Dimensions		
With 710-mm (28 in.) shoes, 5100-kg (11,240 lb.) heavy counterweight, full fuel tank, 79-kg (175 lb.) operator, and standard equipment		
	4.39-m (14 ft. 5 in.) VIH Log Loader Arm	4.10-m (13 ft. 5 in.) Live-Heel Log Loader Arm

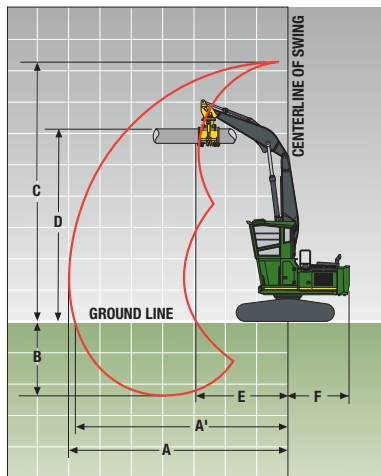
A Maximum Reach	10.67 m (35 ft. 0 in.)	11.71 m (38 ft. 5 in.)
A' Maximum Reach at Ground Level	10.44 m (34 ft. 3 in.)	11.48 m (37 ft. 8 in.)
B Maximum Working Depth	3.63 m (11 ft. 11 in.)	4.78 m (15 ft. 8 in.)
C Maximum Working Height	12.78 m (41 ft. 11 in.)	13.79 m (45 ft. 3 in.)
D Maximum Log-Level Height	9.98 m (32 ft. 9 in.)*	8.79 m (28 ft. 10 in.)†
D' Maximum Log-Level Height	N/A	9.65 m (31 ft. 8 in.)‡
E Minimum Swing Radius	4.47 m (14 ft. 8 in.)	4.57 m (15 ft. 0 in.)
F Tail Swing Radius	3.15 m (10 ft. 4 in.)	3.15 m (10 ft. 4 in.)

*Attachment dependent.

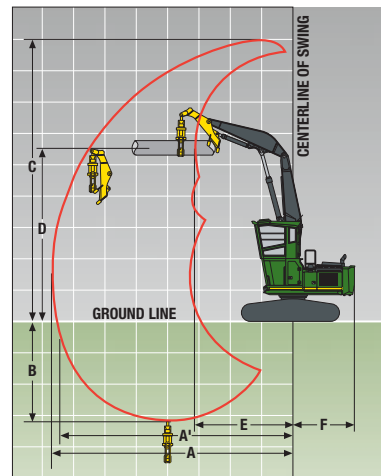
†Log resting on heel rack rear plate, attachment dependent.

‡Log resting on heel rack front plate, attachment dependent.

2656G VIH Log Loader



2656G Live-Heel Log Loader

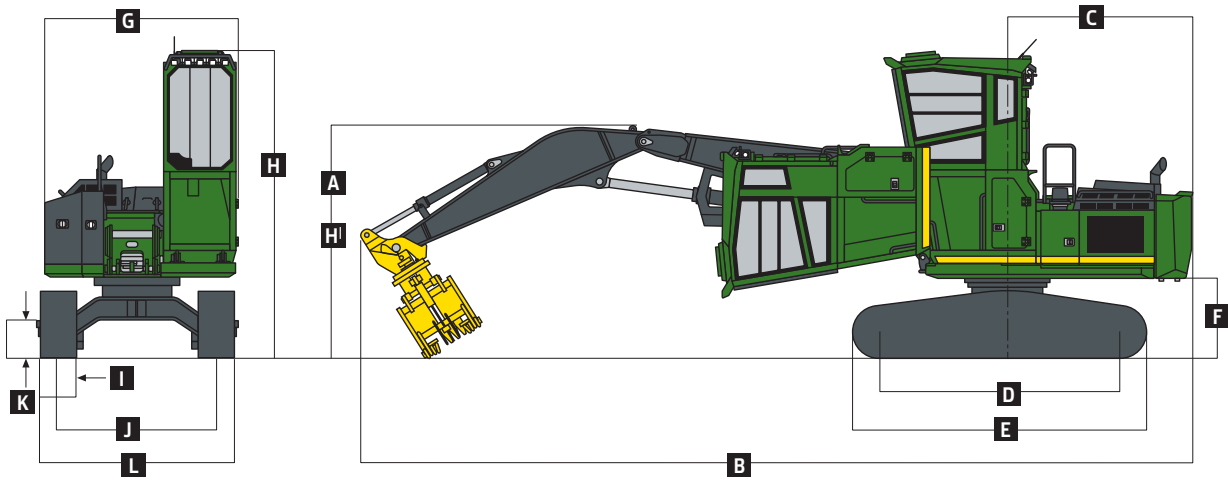


Machine not exactly as shown. Illustrations for dimensioning purposes only.

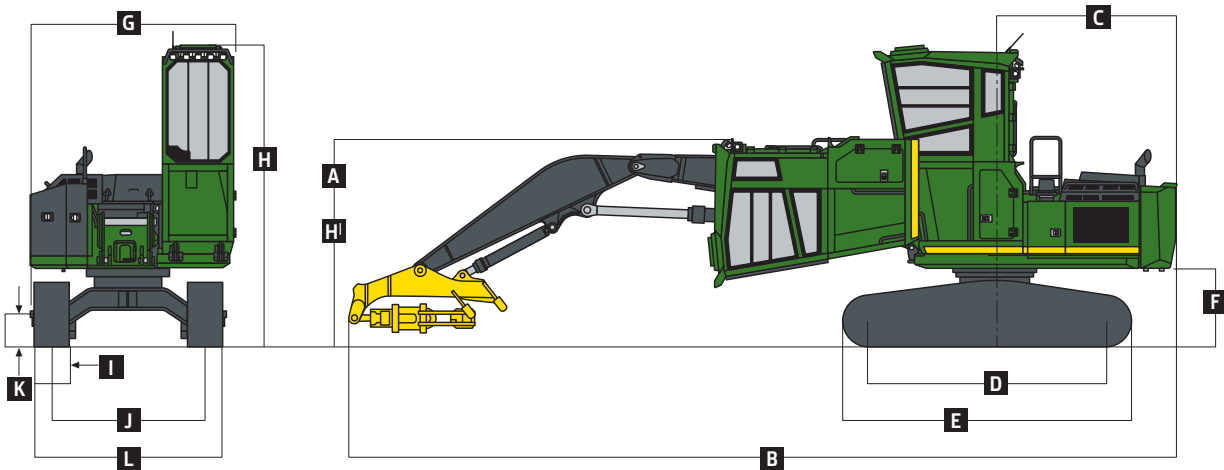
2656G

Machine Dimensions	2656G VIH Log Loader	2656G Live-Heel Log Loader
A Machine Transport Height		
Side-Entry Cab	3.84 m (12 ft. 7 in.)	3.84 m (12 ft. 7 in.)
Rear-Entry Cab	3.76 m (12 ft. 4 in.)	3.76 m (12 ft. 4 in.)
B Overall Length	14.25 m (46 ft. 9 in.)	14.15 m (46 ft. 5 in.)
C Rear-End Length / Swing Radius	3.15 m (10 ft. 4 in.)	3.15 m (10 ft. 4 in.)
D Distance Between Idler / Sprocket Centerline	4.06 m (13 ft. 4 in.)	4.06 m (13 ft. 4 in.)
E Undercarriage Length	5.03 m (16 ft. 6 in.)	5.03 m (16 ft. 6 in.)
F Counterweight Clearance	1.45 m (4 ft. 9 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.)
H Cab Operating Height		
Side-Entry Cab	3.84 m (12 ft. 7 in.)	3.84 m (12 ft. 7 in.)
Rear-Entry Cab	5.18 m (17 ft. 0 in.)	5.18 m (17 ft. 0 in.)
H^I Tilted Cab Height (rear-entry cab)	3.76 m (12 ft. 4 in.)	3.76 m (12 ft. 4 in.)
I Track Width with 710-mm (28 in.) Double-Grouser Shoes	0.71 m (28 in.)	0.71 m (28 in.)
J Center of Sprocket to Center of Sprocket	2.79 m (9 ft. 2 in.)	2.79 m (9 ft. 2 in.)
K Ground Clearance	0.76 m (30 in.)	0.76 m (30 in.)
L Undercarriage Width with 710-mm (28 in.) Double-Grouser Shoes	3.53 m (11 ft. 7 in.)	3.53 m (11 ft. 7 in.)

2656G VIH Log Loader



2656G Live-Heel Log Loader



Attachment weight is not included when calculating the lift capacities.

2656G

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 — 2656G VIH Log Loader with 2.79-m (9 ft. 2 in.) LC undercarriage, 710-mm (28 in.) shoes, and heavy 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.)		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.)	17 930 (39,530)	17 930 (39,530)										
10.7 m (35 ft.)			11 400 (25,130)	11 400 (25,130)	10 700 (22,190)	9810 (21,630)						
9.1 m (30 ft.)			10 570 (23,290)	10 570 (23,290)	9260 (20,420)	9260 (20,420)	8410 (18,530)	6960 (15,340)				
7.6 m (25 ft.)			10 570 (23,300)	10 570 (23,300)	9200 (20,270)	9200 (20,270)	8190 (18,050)	7080 (15,590)	7350 (16,200)	5090 (11,220)		
6.1 m (20 ft.)			11 370 (25,060)	11 370 (25,060)	9580 (21,120)	9580 (21,120)	8310 (18,320)	7000 (15,430)	7290 (16,060)	5170 (11,400)		
4.6 m (15 ft.)					10 280 (22,660)	9660 (21,300)	8600 (18,950)	6820 (15,030)	7330 (16,160)	5100 (11,250)		
3.1 m (10 ft.)					11 030 (24,310)	9190 (20,260)	8890 (19,590)	6580 (14,500)	7300 (16,090)	4990 (11,000)		
1.5 m (5 ft.)					11 430 (25,190)	8740 (19,260)	8960 (19,750)	6340 (13,980)	7170 (15,800)	4870 (10,740)		
Ground Line					11 120 (24,510)	8420 (18,560)	8590 (18,940)	6170 (13,590)	6620 (14,580)	4790 (10,550)		
-1.5 m (-5 ft.)			12 960 (28,570)	12 610 (27,800)	9900 (21,810)	8270 (18,230)	7560 (16,660)	6080 (13,400)	5370 (11,830)	4770 (10,510)		
-3.1 m (-10 ft.)			9630 (21,220)	9630 (21,220)	7600 (16,750)	7600 (16,750)	5550 (12,230)	5550 (12,230)				

Lift Capacity — 2656G Live-Heel Log Loader with 2.79-m (9 ft. 2 in.) LC undercarriage, 710-mm (28 in.) shoes, and heavy 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.)		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.)	14 890 (32,810)	14 890 (32,810)	11 780 (25,960)	11 780 (25,960)								
10.7 m (35 ft.)			9780 (21,560)	9780 (21,560)	8480 (18,680)	8480 (18,680)	7540 (16,610)	6610 (14,570)				
9.1 m (30 ft.)					8010 (17,660)	8010 (17,660)	7170 (15,810)	6350 (14,000)	6490 (14,310)	4750 (10,480)		
7.6 m (25 ft.)					8170 (18,000)	8170 (18,000)	7160 (15,770)	6530 (14,390)	6300 (13,890)	4480 (9,870)		
6.1 m (20 ft.)					8630 (19,020)	8630 (19,020)	7370 (16,250)	6550 (14,430)	6370 (14,040)	4580 (10,090)	5390 (11,870)	3520 (7,760)
4.6 m (15 ft.)					9020 (19,890)	9020 (19,890)	7760 (17,110)	6390 (14,090)	6510 (14,350)	4550 (10,020)	5370 (11,840)	3510 (7,740)
3.1 m (10 ft.)					9730 (21,440)	9150 (20,170)	8140 (17,930)	6170 (13,600)	6630 (14,610)	4510 (9,940)	5300 (11,680)	3440 (7,590)
1.5 m (5 ft.)					10 460 (23,060)	8530 (18,790)	8320 (18,340)	5910 (13,020)	6640 (14,630)	4410 (9,730)	5210 (11,490)	3360 (7,400)
Ground Line					10 710 (23,600)	8050 (17,750)	8200 (18,080)	5720 (12,610)	6500 (14,330)	4270 (9,410)	4780 (10,540)	3280 (7,240)
-1.5 m (-5 ft.)			13 670 (30,120)	11 860 (26,150)	10 030 (22,110)	7700 (16,960)	7780 (17,140)	5570 (12,270)	6170 (13,600)	4180 (9,220)	3720 (8,190)	3270 (7,210)
-3.1 m (-10 ft.)	7490 (16,510)	7490 (16,510)	11 290 (24,880)	11 290 (24,880)	8470 (18,670)	8470 (18,670)	6720 (14,810)	5540 (12,200)	4360 (9,620)	4140 (9,130)		
-4.6 m (-15 ft.)			7520 (16,570)	7520 (16,570)	5800 (12,790)	5800 (12,790)	3980 (8,780)	3980 (8,780)				



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