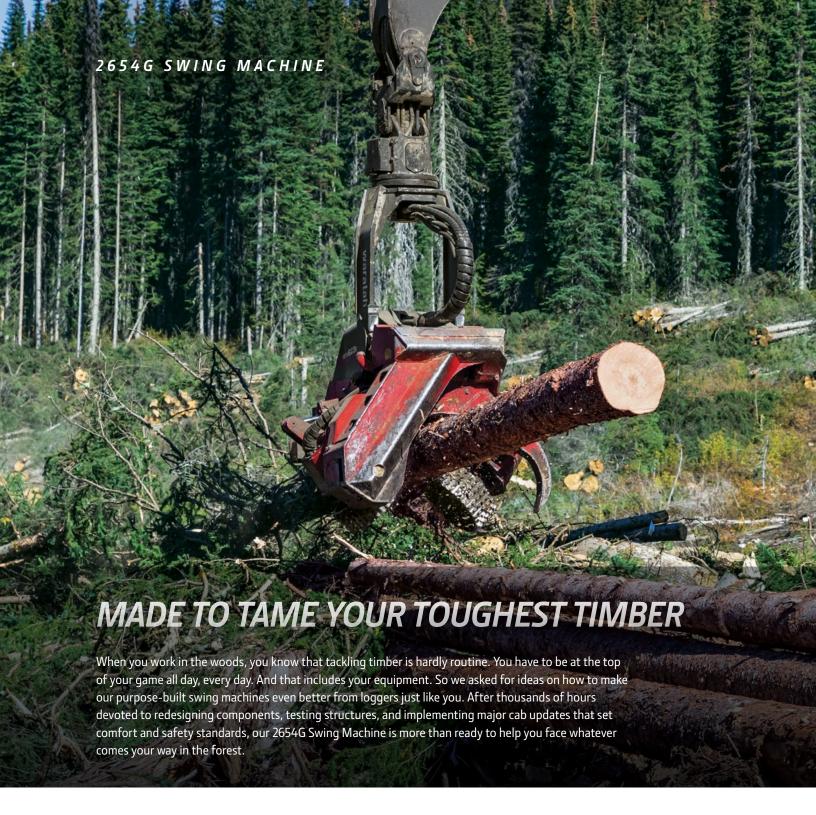


# **2654G SWING MACHINE**





#### Withstand wear and tear

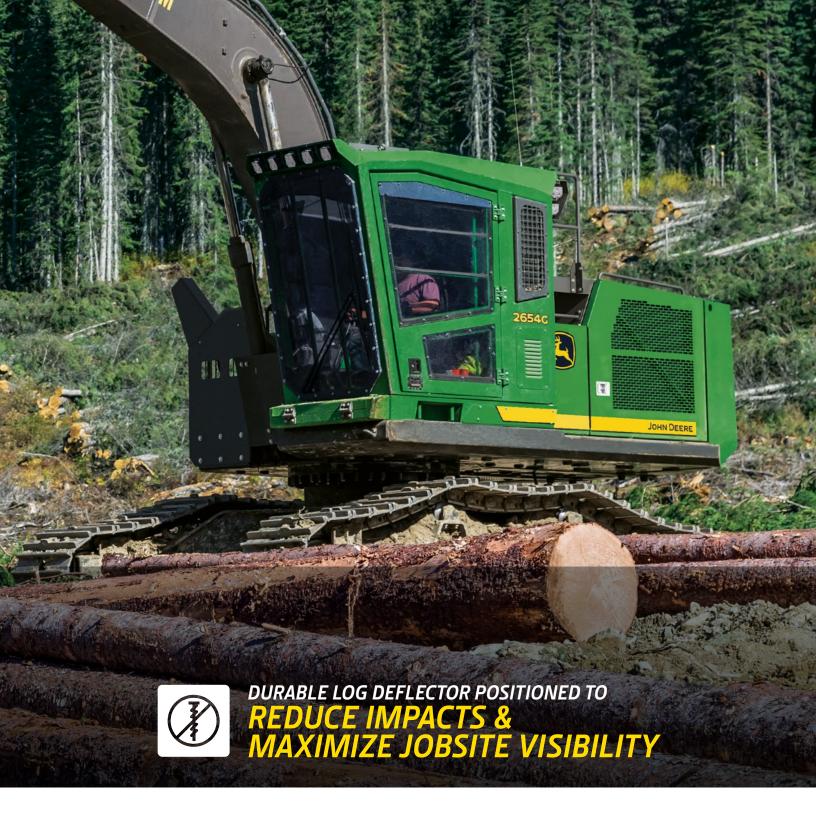
The 2654G shares its dependable electrical architecture including simplified wiring harnesses and the number of connectors, fuses, and relays with our other swing-machine models. Purpose-built undercarriage X-frame and upper-frame structure deliver long life in the forest. Large, high-capacity coolers with optimized airflow help reduce hydraulic operating temperatures, maximizing component durability.

#### **Deflect and protect**

Durable log deflector with reinforced mounting enhances visibility and reduces the risk of machine damage. Sloped hood profile and alignment with the counterweight cleanly sheds debris. Rearview camera and light are protected within the counterweight.

### It's all about the operator

Spacious side-entry cab is isolation mounted to reduce noise and vibration, cushion the ride in rough terrain, and minimize fatigue. Rearentry cab features windows in the floor and injection-molded polycarbonate windows, boosting visibility to the tracks and work area. Ergonomically correct short-throw pilot levers provide smooth fingertip control with less motion or effort.



#### Service assistance

Hinged doors that open wide for convenient access to filters, routine service points, and the cooling system help ease daily checks and preventive maintenance.

## Master of maneuverability

Increased tractive effort of 19 percent boosts machine capability for negotiating steep or difficult terrain, deep snow, and swamps.

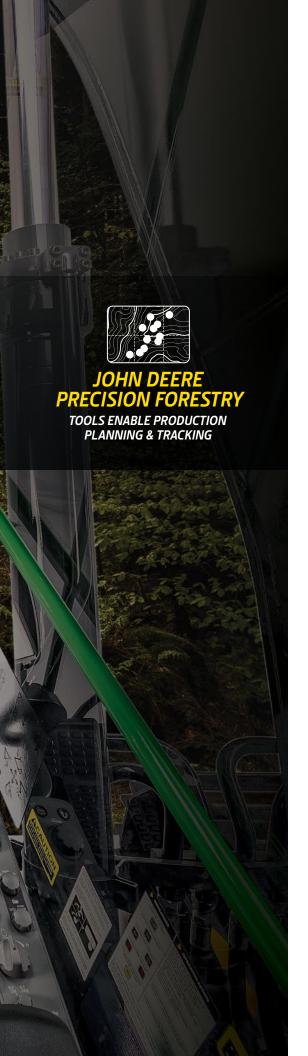
#### No half measures here

"Half-lever" hydraulic-control system reduces fuel consumption by three to five percent compared to the 2654D Swing Machine, depending on the application.

# Get in on the ground game

Optional on the 2654G, longer track frames put more track on the ground, for increased stability — and up to 14-percent more lifting capacity — than the model it replaces.





### 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 and the John Deere Operations Center™ let you track your equipment, see which machines are working, and know if they're being utilized properly and at maximum productivity and efficiency.
- 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.

#### **Precision Forestry**

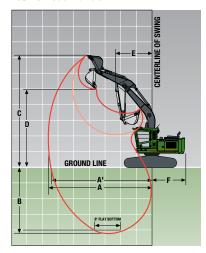
Take the guesswork out of planning, implementing, and monitoring your logging operation. The tools of our production-planning and -tracking system expand on the core technology features that come standard in every John Deere Forestry machine to unleash a powerful new array of possibilities:

- 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.

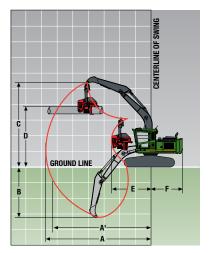
Engine	2654G Road Builder / Processor			
Manufacturer and Model	John Deere PowerTech™ PVS 6.8 L	John Deere PowerTech™ Plus 6.8	L John Deere PowerTech Plus 6.8 L	
Non-Road Emission Standards	EPA Final Tier 4 (FT4)/EU Stage IV	EPA Tier 3/EU Stage IIIA	EPA Tier 2/EU Stage II	
Net Rated Power (ISO 9249)	145 kW (194 hp) at 2,100 rpm 145 kW (194 hp) at 2,100 rp		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			
, isp., ac.o.,	cooler	cooler	cooler	
Oil Filter, Remote Mounted	Full-flow spin-on filter	Full-flow spin-on filter	Full-flow spin-on filter	
Cooling	Tun now spin on the	Tun now spin on meet	ran now spin on meet	
Fan Drive	Cool-on-demand hydraulic-driven	suction-type fan with remote-mount	ed drive and standard reversing fan	
Powertrain	cool-on-demand hydraunc-driven,	suction-type rail with remote-mount	ed drive and standard reversing ran	
2-speed propel with automatic shift				
Maximum Travel Speed	261 (1/26 1)			
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	<u>.</u>			
Implement Circuits	34 300 kPa (4,975 psi)			
Power Boost	38 000 kPa (5,511 psi)			
Controls	Pilot levers; short-stroke, low-effor	t hydraulic pilot with shutoff lever		
Electrical				
	EPA FT4/EU Stage IV	FPA Tier 3	/EU Stage IIIA / EPA Tier 2/EU Stage II	
System Voltage	24 volt	24 volt	. 20 Stage 2.71 2, 20 Stage	
Alternator Rating	150 amp	130 amp		
Alternator Nathing	150 allip			
Lights (standard)		150 dinp		
Lights (standard)	1/4 LEDs	•		
Work	14 LEDs	14 LEDs		
Work Service		14 LEDs		
Work Service With Side-Entry Cab	5 LEDs (compartments)	14 LEDs 5 LEDs (co	ompartments)	
Work Service With Side-Entry Cab With Rear-Entry Cab	5 LEDs (compartments) 6 LEDs (compartments and riser)	14 LEDs 5 LEDs (co 6 LEDs (co	ompartments and riser)	
Work Service With Side-Entry Cab With Rear-Entry Cab Access	5 LEDs (compartments)	14 LEDs 5 LEDs (co 6 LEDs (co		
Work Service With Side-Entry Cab With Rear-Entry Cab Access	5 LEDs (compartments) 6 LEDs (compartments and riser) 1 LED (right rear cab)	14 LEDs 5 LEDs (co 6 LEDs (co 1 LED (rigl	ompartments and riser) nt rear cab)	
Work Service With Side-Entry Cab With Rear-Entry Cab Access Undercarriage	5 LEDs (compartments) 6 LEDs (compartments and riser)	14 LEDs 5 LEDs (co 6 LEDs (co 1 LED (rigl	ompartments and riser)	
Work Service With Side-Entry Cab With Rear-Entry Cab Access Undercarriage Rollers (per side)	5 LEDs (compartments) 6 LEDs (compartments and riser) 1 LED (right rear cab) 2.62 m (8 ft. 7 in.)	14 LEDs 5 LEDs (cc 6 LEDs (cc 1 LED (rig) 2.79-m (9	ompartments and riser) nt rear cab)	
Work Service With Side-Entry Cab With Rear-Entry Cab	5 LEDs (compartments) 6 LEDs (compartments and riser) 1 LED (right rear cab)	14 LEDs 5 LEDs (co 6 LEDs (co 1 LED (rigl	ompartments and riser) nt rear cab)	
Work Service With Side-Entry Cab With Rear-Entry Cab Access Undercarriage Rollers (per side)	5 LEDs (compartments) 6 LEDs (compartments and riser) 1 LED (right rear cab) 2.62 m (8 ft. 7 in.)	14 LEDs 5 LEDs (cc 6 LEDs (cc 1 LED (rig) 2.79-m (9	ompartments and riser) nt rear cab)	
Work Service With Side-Entry Cab With Rear-Entry Cab Access Undercarriage Rollers (per side) Carrier	5 LEDs (compartments) 6 LEDs (compartments and riser) 1 LED (right rear cab)  2.62 m (8 ft. 7 in.)	14 LEDs 5 LEDs (cc 6 LEDs (cc 1 LED (rig) 2.79-m (9	ompartments and riser) nt rear cab)	
Work Service With Side-Entry Cab With Rear-Entry Cab Access Undercarriage Rollers (per side) Carrier Track	5 LEDs (compartments) 6 LEDs (compartments and riser) 1 LED (right rear cab)  2.62 m (8 ft. 7 in.) 2 8	14 LEDs 5 LEDs (cc 6 LEDs (cc 1 LED (rig) 2.79-m (9) 2	ompartments and riser) nt rear cab) ft. 2 in.) LC	
Work Service With Side-Entry Cab With Rear-Entry Cab Access Undercarriage Rollers (per side) Carrier Track Shoes, Double Grousers (per side) Undercarriage Pitch	5 LEDs (compartments) 6 LEDs (compartments and riser) 1 LED (right rear cab)  2.62 m (8 ft. 7 in.)  2 8 45	14 LEDs 5 LEDs (cc 6 LEDs (cc 1 LED (rig) 2.79-m (9) 2 9 48	ompartments and riser) Int rear cab)  ft. 2 in.) LC  .5 in.)	
Work Service With Side-Entry Cab With Rear-Entry Cab Access Undercarriage Rollers (per side) Carrier Track Shoes, Double Grousers (per side)	5 LEDs (compartments) 6 LEDs (compartments and riser) 1 LED (right rear cab)  2.62 m (8 ft. 7 in.)  2 8 45 216 mm (8.5 in.) 2654G Road Builder	14 LEDs 5 LEDs (cc 6 LEDs (cc 1 LED (rig) 2.79-m (9) 2 9 48 216 mm (8)	ompartments and riser) Int rear cab)  ft. 2 in.) LC  .5 in.)  occessor	

Swing Mechanism	2654G Road Builder / Proc	essor		
Swing Speed	10.6 rpm			
Swing Torque	107 869 Nm (79,560 lbft.)			
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.)			
Standard rearview camera				
Serviceability				
Refill Capacities				
Fuel Tank	800.0 L (211 gal.)			
Cooling System	23.0 L (6.0 gal.)			
Diesel Exhaust Fluid (DEF) Tank (FT4 only)	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	2654G Road Builder		2654G Processor	
With full fuel tank, 79-kg (175 lb.) operator, 7-i		ab, 4547-kg (10,022 lb.) counterw	eight, 700-mm (28 in.) doubl	le-grouser shoes, and
2.62-m (8 ft. 7 in.) undercarriage; no attachme	ent 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	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)	_	<u>-</u>	_	
Rear-Entry Cab (60-in. riser)	671 kg	j (1,480 lb.)	671 kg (	1,480 lb.)
Cab Forward	739 k	g (1,630 lb.)	739 kg (	1,630 lb.)
Extra-Heavy Counterweight	1383 k	kg (3,049 lb.)	1383 kg	(3,049 lb.)
2.79-m (9 ft. 2 in.) LC Undercarriage	790 k	g (1,741 lb.)	790 kg	(1,741 lb.)
Operating Dimensions				
With standard equipment, 700-mm (28 in.) sho	oes, 4547-kg (10,022 lb.) coun	terweight, full fuel tank, and 79-	kg (175 lb.) operator	
	2.95-m (9 ft. 8 in.) Arm; 99	6-kg (2,195 lb.),		
	1.06-m³ (1.38 cu. yd.), 1065-	mm (42 in.) Bucket	3.40-m (11 ft. 2 in.) Proces.	sor Arm
A Maximum Reach	10.16 m (33 ft. 4 in.)		8.94 m (29 ft. 4 in.)	
A <sup>I</sup> Maximum Reach at Ground Level	9.91 m (32 ft. 6 in.)		8.64 m (28 ft. 4 in.)	
<b>B</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	3.28 m (10 ft. 9 in.)		3.28 m (10 ft. 9 in.)	

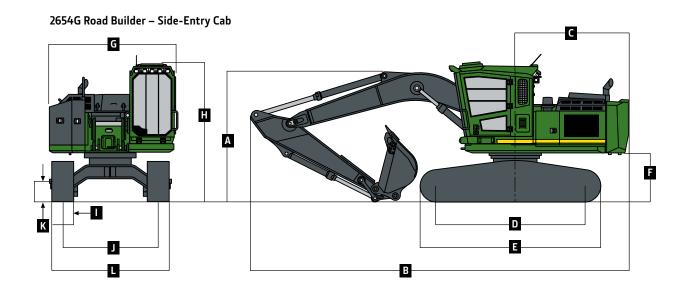
### 2654G Road Builder



# 2654G Processor

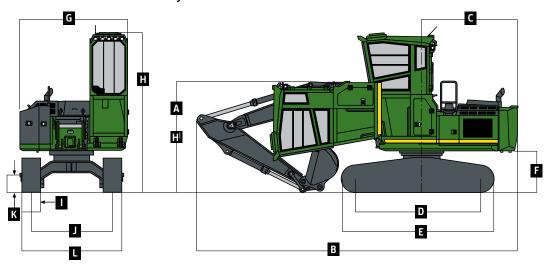


Machine Dimensions	2654G Road Builde	er	2654G Processor	
Undercarriage	2.62 m (8 ft. 7 in.)	2.79-m (9 ft. 2 in.) LC	2.62 m (8 ft. 7 in.)	2.79-m (9 ft. 2 in.) LC
A Machine Transport He	ight			
Side-Entry Cab	3.84 m (12 ft. 7 in.)	3.84 m (12 ft. 7 in.)	3.96 m (13 ft. 0 in.)	3.96 m (13 ft. 0 in.)
Rear-Entry 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	10.29 m (33 ft. 9 in	.) 10.29 m (33 ft. 9 in.)	10.34 m (33 ft. 11 in.)	10.34 m (33 ft. 11 in.)
C Rear-End Length / Swi	ng Radius 3.20 m (10 ft. 6 in.)	3.20 m (10 ft. 6 in.)	3.20 m (10 ft. 6 in.)	3.20 m (10 ft. 6 in.)
D Distance Between Idle Centerline	r / Sprocket 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 Cleara	nce 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.)
HI Tilted Cab Height (rea	-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 700- Double-Grouser Shoes		0.71 m (28 in.)	0.71 m (28 in.)	0.71 m (28 in.)
J Center of Sprocket to Sprocket	Center of 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 \ 660-mm (26 in.) or 70 (28 in.) Double-Grouse	O-mm	3.53 m (11 ft. 7 in.)	3.33 m (10 ft. 11 in.)	3.53 m (11 ft. 7 in.)

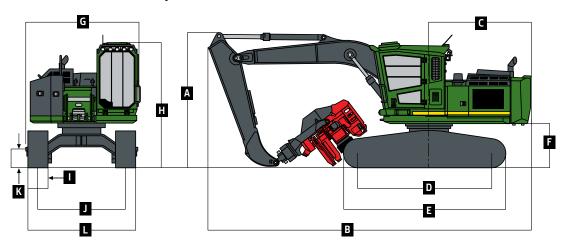


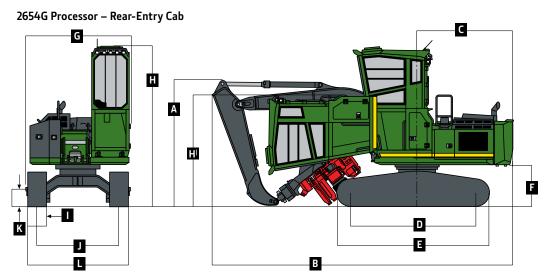
### Machine Dimensions (continued)

# 2654G Road Builder – Rear-Entry Cab



# 2654G Processor – Side-Entry Cab





# **2654G** SWING MACHINE SPECIFICATIONS (continued)

**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.

int capacity — 2004d i	3.1 m (		4.6 m		noes, and standard 6.1 m (		7.6 m (	2E f+ \
and Defeat Heffales				Over Side		Over Side		
oad Point Height	Over Front	Over Side	Over Front	Over Side	Over Front 5480	5480	Over Front	Over Sid
7.6 m (25 ft.)								
6.1 m (20 ft.)					(12,070) 5720	(12,070) 5720	5490	5490
6.I M (20 Ft.)								
4.6 m (15 ft.)	11 490	11 490	7860	7860	(12,610) 6430	(12,610) 6430	(12,090) 5720	(12,090 5720
4.0 111 (15 11.)								
3.1 m (10 ft.)	(25,320)	(25,320)	(17,320) 9820	(17,320) 9820	(14,160) 7330	(14,160) 7330	(12,610) 6140	(1 <b>2,610</b> 5850
3.1 m (10 ft.)			9820 (21,640)	9820 (21,640)	/330 (16,170)	/330 (16,170)	(13,540)	(12,890
1.5 m (5 ft.)			11 250	11 250	8130	7700	6550	5670
1.5 M (5 Ft.)			(24,790)	(24,790)	(17,920)	7700 (16,970)	(14,430)	(12,490
Ground Line	17 240	17 240	(24,790) 11 710	11 210	(17,920) 8550	7480	6750	5550
Ground Line	(37,990)	(37,990)	(25,810)	(24,720)	(18,850)	(16,490)	(14,870)	(12,230
–1.5 m (–5 ft.)	16 060	16 060	11 340	11 190	8450	7420	6520	5540
−1.5 M (−5 ft.)	(35,390)	(35,390)	(25,000)	(24,660)	(18,620)	7420 (16,360)	(14,360)	(12,200
–3.1 m (–10 ft.)	13 930	13 930	10 150	10 150	7580	7530	(14,300)	(12,200
-3.1 m (-10 ft.)								
–4.6 m (–15 ft.)	(30,690)	(30,690)	(22,360) 7510	(22,360) 7510	(16,700)	(16,590)		
-4.6 M (-15 ft.)			/510 (16,550)	7510 (16,550)				
ft Capacity — 2654G R	Poad Builder with 2	79-m (9 ft 2 in )		700-mm (28 in	Shoes and stand	lard counterweig	iht: hare nin	
7.6 m (25 ft.)	toda Danaer With 2.	/ J-III (J Tt. 2 III.)	Le dilucitarriage	, 700-11111 (20 111.	5480	5480	inc, bare pin	
7.0 111 (25 1 t.)					(12,070)	(12,070)		
6.1 m (20 ft.)					5720	5720	5490	5490
0.1111 (20 11.)					(12,610)	(12,610)	(12,090)	(12,090
4.6 m (15 ft.)	11 490	11 490	7860	7860	6430	6430	5720	5720
4.0 111 (15 1 t.)	(25,320)	(25,320)	(17,320)	(17,320)	(14,160)	(14,160)	(12,610)	(12,610
3.1 m (10 ft.)	(25,520)	(23,320)	9820	9820	7330	7330	6140	6140
J.: III (10 1 t.)			(21,640)	(21,640)	(16,170)	(16,170)	(13,540)	(13,540
1.5 m (5 ft.)			11 250	11 250	8130	8130	6550	6250
(5 1)			(24,790)	(24,790)	(17,920)	(17,920)	(14,430)	(13,770
Ground Line	17 240	17 240	11 710	11 710	8550	8290	6750	6130
Ground Line	(37,990)	(37,990)	(25,810)	(25,810)	(18,850)	(18,270)	(14,870)	(13,500
–1.5 m (–5 ft.)	16 060	16 060	11 340	11 340	8450	8230	6520	6110
	(35,390)	(35,390)	(25,000)	(25,000)	(18,620)	(18,140)	(14,360)	(13,480
–3.1 m (–10 ft.)	13 930	13 930	10 150	10 150	7580	7580	(1-1,500)	(15,-700
5 10 10.7	(30,690)	(30,690)	(22,360)	(22,360)	(16,700)	(16,700)		
-4.6 m (-15 ft.)	(30,030)	(50,050)	7510	7510	(10),00,	(10,700)		
1.0 111 ( 10 1 1)			(16,550)	(16,550)				

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.

ift Capacity — 2654G F	3.1 m (		4.6 m (		s, and standard co		7.6 m (	25 f+ \
oad Point Height	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Sid
7.6 m (25 ft.)	Over Front	Over Side	Over Front	Over Side	5090	5090	Over Front	Over 310
					(11,230)	(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	9960	7330	7330	6170	6170	5570	5570
4.0 111 (15 1 t.)	(21,960)	(21,960)	(16,150)	(16,150)	(13,610)	(13,610)	(12,280)	(12,280
3.1 m (10 ft.)	15 830	15 830	9430	9430	7170	7170	6070	5890
J.1 III (10 Tt.)	(34,880)	(34,880)	(20,780)	(20,780)	(15,810)	(15,810)	(13,370)	(12,970
1.5 m (5 ft.)	18 580	18 580	11 150	11 150	8100	7750	6560	5700
1.5 111 (5 1 (.)	(40,950)	(40,950)	(24,570)	(24,570)	(17,840)	(17,080)	(14,450)	(12,550
Ground Line	18 410	18 410	11 930	11 260	8670	7510	6870	5560
diodila Ellic	(40,580)	(40,580)	(26,300)	(24,810)	(19,120)	(16,550)	(15,140)	(12,250
–1.5 m (–5 ft.)	17 370	17 370	11 840	11 160	8750	7410	6820	5500
1.5111 511.7	(38,280)	(38,280)	(26,100)	(24,590)	(19,280)	(16,320)	(15,040)	(12,130
-3.1 m (-10 ft.)	15 440	15 440	10 910	10 910	8150	7440	(15,040)	(12,130
5.1111 10 11.7	(34,040)	(34,040)	(24,050)	(24,050)	(17,960)	(16,400)		
–4.6 m (–15 ft.)	(54,040)	(54,040)	8790	7510	(17,500)	(10,400)		
4.0 111 ( 15 11.)			(19,380)	(16,550)				
ft Capacity — 2654G F	Processor with 2.79-	m (9 ft. 2 in.) LC			noes, and standar	counterweight:	: bare pin	
7.6 m (25 ft.)					5090	5090	'	
					(11,230)	(11,230)		
6.1 m (20 ft.)			5710	5710	5410	5410	5250	5250
			(12,590)	(12,590)	(11,920)	(11,920)	(11,570)	(11,570
4.6 m (15 ft.)	9960	9960	7330	7330	6170	6170	5570	5570
, , , , ,	(21,960)	(21,960)	(16,150)	(16,150)	(13,610)	(13,610)	(12,280)	(12,280
3.1 m (10 ft.)	15 830	15 830	9430	9430	7170	7170	6070	6070
	(34,880)	(34,880)	(20,780)	(20,780)	(15,810)	(15,810)	(13,370)	(13,370
1.5 m (5 ft.)	18 580	18 580	11 150	11 150	8100	8100	6560	6270
	(40,950)	(40,950)	(24,570)	(24,570)	(17,840)	(17,840)	(14,450)	(13,820
Ground Line	18 410	18 410	11 930	11 930	8670	8310	6870	6130
	(40,580)	(40,580)	(26,300)	(26,300)	(19,120)	(18,320)	(15,140)	(13,510
–1.5 m (–5 ft.)	17 370	17 370	11 840	11 840	8750	8210	6820	6080
	(38,280)	(38,280)	(26,100)	(26,100)	(19,280)	(18,090)	(15,040)	(13,390
-3.1 m (-10 ft.)	15 440	15 440	10 910	10 910	8150	8150		
	(34,040)	(34,040)	(24,050)	(24,050)	(17,960)	(17,960)		
–4.6 m (–15 ft.)	, ,	. , ,	8790 (19,380)	7510 (16,550)	. , .			

