

2654G SWING MACHINE



2654G SWING MACHINE

MADE TO TAME YOUR TOUGHEST TIMBER

When you work in the woods, you know that tackling timber is hardly routine. You have to be at the top of your game all day, every day. And that includes your equipment. So we asked for ideas on how to make our purpose-built swing machines even better from loggers just like you. After thousands of hours devoted to redesigning components, testing structures, and implementing major cab updates that set comfort and safety standards, our 2654G Swing Machine is more than ready to help you face whatever comes your way in the forest.

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.

DURABLE LOG DEFLECTOR POSITIONED TO REDUCE IMPACTS & MAXIMIZE JOBSITE VISIBILITY

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

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JOHN DEERE

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.

2654G 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.



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

FEATURES

Core intelligence

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.



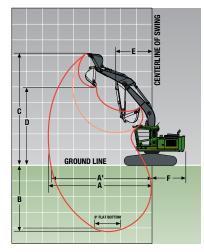
PRECISION FORESTRY TOOLS ENABLE PRODUCTION PLANNING & TRACKING

2654G swing machine specifications

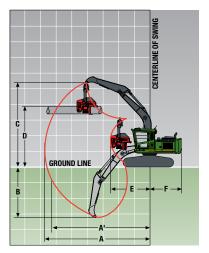
Engine	2654G Road Builder / Processo	r			
Manufacturer and Model	John Deere PowerTech [™] PVS 6.8		ch™ Plus 6.8 L	John Deere Power	Tech Plus 6.8 L
Non-Road Emission Standards	EPA Final Tier 4 (FT4)/EU Stage			EPA Tier 2/EU Stac	
Net Rated Power (ISO 9249)	145 kW (194 hp) at 2,100 rpm			145 kW (194 hp) at	
Cylinders	6	6	iee ipiii	6	2,
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 cooler		-air charge-air	Turbocharged, air- cooler	to-air charge-air
Oil Filter, Remote Mounted	Full-flow spin-on filter	Full-flow spin-on filt	er	Full-flow spin-on f	ilter
Cooling			-		
Fan Drive	Cool-on-demand hydraulic-drive	en, suction-type fan with ren	note-mounted driv	ve and standard reve	rsing fan
Powertrain					l sing ran
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	50 550 kgr (60,510 lb1)				
Open center, pilot operated					
Main Pumps	2 variable-displacement pumps				
Maximum Rated Flow x 2	248 L/m (65.5 gpm)				
	248 L/III (05.5 gpiii)				
System Operating Pressure	24 200 kDa (4 075 pci)				
Implement Circuits Power Boost	34 300 kPa (4,975 psi)				
	38 000 kPa (5,511 psi)	Contraction the state of the state			
Controls	Pilot levers; short-stroke, low-e	errort hydraulic pllot with shu	toff lever		
Electrical					
C · · · · · · ·	EPA FT4/EU Stage IV			age IIIA / EPA Tier 2/	'EU Stage II
System Voltage	24 volt		24 volt		
Alternator Rating	150 amp		130 amp		
Lights (standard)					
Work	14 LEDs		14 LEDs		
Service			/	,	
With Side-Entry Cab	5 LEDs (compartments)		5 LEDs (compart		
With Rear-Entry Cab	6 LEDs (compartments and rise	r)		tments and riser)	
Access	1 LED (right rear cab)		1 LED (right rear	cab)	
Undercarriage			2.20	110	
	2.62 m (8 ft. 7 in.)		2.79-m (9 ft. 2 in	n.) LC	
Rollers (per side)					
Carrier	2		2		
Track	8		9		
Shoes, Double Grousers (per side)	45		48		
Undercarriage Pitch	216 mm (8.5 in.)		216 mm (8.5 in.)		
	2654G Road Builder		2654G Processo	r	
Ground Pressure				-	
Ground Pressure Undercarriage		2.79-m (9 ft. 2 in.) LC	2.62 m (8 ft. 7 in		-m (9 ft. 2 in.) LC

Swing Mechanism	2654G Road Builder / Proces	sor		
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	n. riser, side-entry forestry cab	, 4547-kg (10,022 lb.) counterw	eight, 700-mm (28 in.) doubl	e-grouser shoes, and
2.62-m (8 ft. 7 in.) undercarriage; no attachme		2	-	-
5		EPA Tier 3/EU Stage IIIA /		EPA Tier 3/EU Stage IIIA
	EPA FT4/EU Stage IV	EPA Tier 2/EU Stage II	EPA FT4/EU Stage IV	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)				
Rear-Entry Cab (60-in. riser)	671 kg (1,480 lb.)	671 kg (1	,480 lb.)
Cab Forward	739 kg (1,630 lb.)	739 kg (I,630 lb.)
Extra-Heavy Counterweight	1383 kg	(3,049 lb.)	1383 kg	(3,049 lb.)
2.79-m (9 ft. 2 in.) LC Undercarriage	790 kg ((1,741 lb.)	790 kg (1,741 lb.)
Operating Dimensions				
With standard equipment, 700-mm (28 in.) sho	ues, 4547-kg (10,022 lb.) counte	rweight, full fuel tank, and 79-	kg (175 lb.) operator	
	2.95-m (9 ft. 8 in.) Arm; 996-		5	
	1.06-m ³ (1.38 cu. yd.), 1065-m	m (1) in Pushat	3.40-m (11 ft. 2 in.) Process	or Arm
	1.00-111 (1.30 Cu. yu.), 1003-111	111 (42 111.) DUCKEL		
A Maximum Reach	10.16 m (33 ft. 4 in.)	111 (42 111.) DUCKEL	8.94 m (29 ft. 4 in.)	
 A Maximum Reach A^I Maximum Reach at Ground Level 	,	111 (42 III.) DUCKEL		
AI Maximum Reach at Ground Level	10.16 m (33 ft. 4 in.)	111 (42 111.) DUCKEL	8.94 m (29 ft. 4 in.)	
A^I Maximum Reach at Ground LevelB Maximum Working Depth	10.16 m (33 ft. 4 in.) 9.91 m (32 ft. 6 in.)	iii (42 iii.) Ducket	8.94 m (29 ft. 4 in.) 8.64 m (28 ft. 4 in.)	
 A^I Maximum Reach at Ground Level B Maximum Working Depth C Maximum Working Height 	10.16 m (33 ft. 4 in.) 9.91 m (32 ft. 6 in.) 6.25 m (20 ft. 6 in.)	111 (42 11.) DUCKEL	8.94 m (29 ft. 4 in.) 8.64 m (28 ft. 4 in.) 4.85 m (15 ft. 11 in.)	
 A^I Maximum Reach at Ground Level B Maximum Working Depth C Maximum Working Height 	10.16 m (33 ft. 4 in.) 9.91 m (32 ft. 6 in.) 6.25 m (20 ft. 6 in.) 10.64 m (34 ft. 11 in.)	111 (42 11.) DUCKEL	8.94 m (29 ft. 4 in.) 8.64 m (28 ft. 4 in.) 4.85 m (15 ft. 11 in.) 9.88 m (32 ft. 5 in.)	

2654G Road Builder

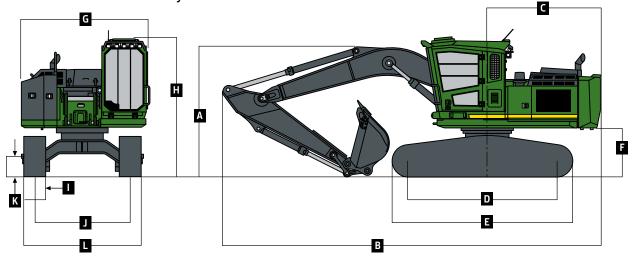


2654G Processor

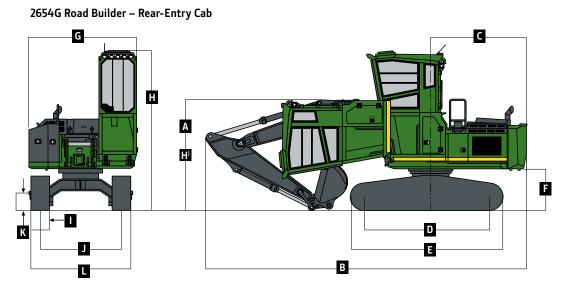


Machine Dimensions	2654G Road Builder		2654G Processor	
Undercarriage	2.62 m (8 ft. 7 in.)	2.79-m (9 ft. 2 in.) LC	2.62 m (8 ft. 7 in.)	2.79-m (9 ft. 2 in.) LC
A Machine Transport Height				
Side-Entry Cab	3.84 m (12 ft. 7 in.)	3.84 m (12 ft. 7 in.)	3.96 m (13 ft. 0 in.)	3.96 m (13 ft. 0 in.)
Rear-Entry 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	10.29 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 / Swing 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 Idler / 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.)
Centerline				
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 700-mm (28 in.)	0.71 m (28 in.)	0.71 m (28 in.)	0.71 m (28 in.)	0.71 m (28 in.)
Double-Grouser Shoes				
J Center of Sprocket to 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.)
Sprocket				
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	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. 7 in.)
660-mm (26 in.) or 700-mm				
(28 in.) Double-Grouser Shoes				

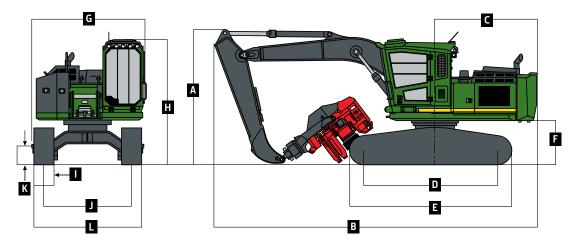
2654G Road Builder – Side-Entry Cab



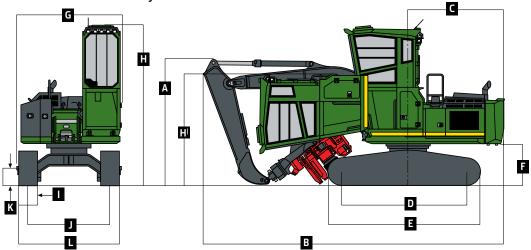
Machine Dimensions (continued)



2654G Processor – Side-Entry Cab



2654G Processor – Rear-Entry Cab



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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.

	3.1 m (10 ft.)	4.6 m (15 ft.)		6.1 m (20 ft.)		7.6 m (25 ft.)	
Load Point Height	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)	5850 (12,890)
1.5 m (5 ft.)			11 250 (24,790)	11 250 (24,790)	8130 (17,920)	7700 (16,970)	6550 (14,430)	5670 (12,490)
Ground Line	17 240 (37,990)	17 240 (37,990)	11 710 (25,810)	11 210 (24,720)	8550 (18,850)	7480 (16,490)	6750 (14,870)	5550 (12,230)
–1.5 m (–5 ft.)	16 060 (35,390)	16 060 (35,390)	11 340 (25,000)	11 190 (24,660)	8450 (18,620)	7420 (16,360)	6520 (14,360)	5540 (12,200)
–3.1 m (–10 ft.)	13 930 (30,690)	13 930 (30,690)	10 150 (22,360)	10 150 (22,360)	7580 (16,700)	7530 (16,590)		
–4.6 m (–15 ft.)			7510 (16,550)	7510 (16,550)				

Lift Capacity — 2654G F	Road Builder with 2.	79-m (9 ft. 2 in.)	LC undercarriage	, 700-mm (28 in.) shoes, and stan	dard counterweig	jht; bare pin	
7.6 m (25 ft.)					5480	5480		
					(12,070)	(12,070)		
6.1 m (20 ft.)					5720	5720	5490	5490
					(12,610)	(12,610)	(12,090)	(12,090)
4.6 m (15 ft.)	11 490	11 490	7860	7860	6430	6430	5720	5720
	(25,320)	(25,320)	(17,320)	(17,320)	(14,160)	(14,160)	(12,610)	(12,610)
3.1 m (10 ft.)			9820	9820	7330	7330	6140	6140
			(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
			(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
	(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		
	(30,690)	(30,690)	(22,360)	(22,360)	(16,700)	(16,700)		
–4.6 m (–15 ft.)			7510	7510				
			(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.

Lift Capacity — 2654G F					-			25.6.1	
		10 ft.)	4.6 m				7.6 m (25 ft.)		
.oad Point Height	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	
7.6 m (25 ft.)					5090	5090			
61 (20 C)					(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	5890	
	(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	
	(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	
	(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	
	(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			
	(34,040)	(34,040)	(24,050)	(24,050)	(17,960)	(16,400)			
–4.6 m (–15 ft.)			8790	7510					
			(19,380)	(16,550)					
ift Capacity — 2654G I	Processor with 2.79-	·m (9 ft. 2 in.) LC	undercarriage, 70	10-mm (28 in.) sl	noes, and standard	l 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	

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(38,280)

15 4 4 0

(34,040)

–3.1 m (–10 ft.)

-4.6 m (-15 ft.)

(38,280)

15 4 4 0

(34,040)

(26,100)

10 910

(24,050)

8790

(19,380)

(26,100)

10 910

(24,050)

7510

(16,550)

(19,280)

8150

(17,960)

(18,090)

8150

(17,960)

(15,040)

(13,390)

