

3156G SWING MACHINE





Strength for the long haul

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

Comfort in the cab

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

Designed by loggers for loggers

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



See the light

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

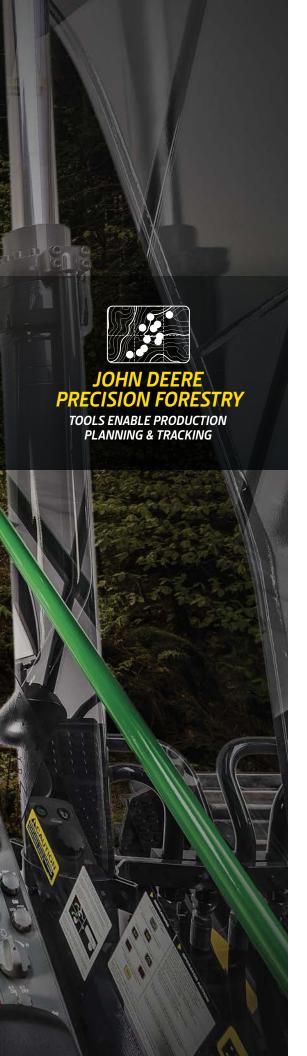
Work your way

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

At your service

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





FEATURES

Core intelligence

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

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

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:

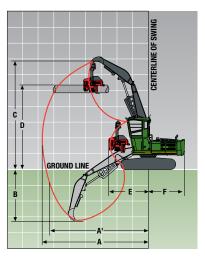
- TimberMatic™ Maps is an innovative onboard software solution that helps you reimagine your jobsites. Real-time production views, optimized routes, and shared wireless connections between machines make it easier than ever before to take your forestry operation to the next level.
- TimberManager™ is 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.

3156G Processor / Valve-in-Head (V	IH) Log Loader / Live-H	leel Log Loader
John Deere PowerTech™ PSS 9.0 L		John Deere PowerTech™ Plus 9.0 L
EPA Final Tier 4 (FT4)/EU Stage IV		EPA Tier 3/EU Stage IIIA
		186 kW (249 hp) at 1,900 rpm
		6
		9.0 L (549 cu. in.)
		70% (35 deg.)
	e-air cooler	Turbocharged, air-to-air charge-air cooler
	e un coolei	Full-flow spin-on filter
Tun now spin on mice		Tull How spill of theel
Cool-on-demand hydraulic-driven, s	uction-type fan with rer	note-mounted drive and standard reversing fan
2.7 km/h (1.7 mph)		
30 330 kgr (00,310 lbl)		
2 variable-displacement numps		
240 L/III (03.3 gpiii)		
2/, 200 kBa //, 07E psi)		
· · · · · · · · · · · · · · · · · · ·		
	L. J., P., Phys. Ref. 1	1. CC 1
Pliot levers; short-stroke, low-errort	nyaraulic pilot with shu	ITOTT lever
		EDA Tion 2/EU Chang IIIA
2		EPA Tier 3/EU Stage IIIA
		24 volt
15U amp		130 amp
1/ 150		1/ 150
14 LEDS		14 LEDs
		5 LEDs (compartments)
		6 LEDs (compartments and riser)
1 LED (right rear cab)		1 LED (right rear cab)
48		
216 mm (8.5 in.)		
8.7 rpm		
120 000 Nm (88,507 lbft.)		
	3156G VIH Log Load	der 3156G Live-Heel Log Loader
2.92 m (9 ft. 7 in.)		2.92 m (9 ft. 7 in.)
74.9 kPa (10.90 psi)	72.4 kPa (10.50 psi)	72.2 kPa (10.50 psi)
3156G Processor / VIH Log Loader /	Live-Heel Log Loager	
3156G Processor / VIH Log Loader /	Live-Heel Log Loader	
	Live-Heel Log Loader	
3156G Processor / VIH Log Loader / 3125 mm (10 ft. 3 in.) 4471 mm (14 ft. 8 in.)	Live-Heel Log Loader	
	John Deere PowerTech™ PSS 9.0 L EPA Final Tier 4 (FT4)/EU Stage IV 186 kW (249 hp) at 1,900 rpm 6 9.0 L (549 cu. in.) 70% (35 deg.) Series turbocharged, air-to-air chargefull-flow spin-on filter Cool-on-demand hydraulic-driven, stage in the spin-on filter Cool-on-demand hydraulic-driven, stage in the spin-on filter 2.7 km/h (1.7 mph) 4.2 km/h (2.6 mph) 30 350 kgf (66,910 lbf) 2 variable-displacement pumps 248 L/m (65.5 gpm) 34 300 kPa (4,975 psi) 38 000 kPa (5,511 psi) Pilot levers; short-stroke, low-effort EPA FT4/EU Stage IV 24 volt 150 amp 14 LEDs 5 LEDs (compartments) 6 LEDs (compartments) 6 LEDs (compartments and riser) 1 LED (right rear cab) 2 9 48 216 mm (8.5 in.) 8.7 rpm 120 000 Nm (88,507 lbft.) 3156G Processor 2.92 m (9 ft. 7 in.)	EPA Final Tier 4 (FT4)/EU Stage IV 186 kW (249 hp) at 1,900 rpm 6 9.0 L (549 cu. in.) 70% (35 deg.) Series turbocharged, air-to-air charge-air cooler Full-flow spin-on filter Cool-on-demand hydraulic-driven, suction-type fan with rer 2.7 km/h (1.7 mph) 4.2 km/h (2.6 mph) 30 350 kgf (66,910 lbf) 2 variable-displacement pumps 248 L/m (65.5 gpm) 34 300 kPa (4,975 psi) 38 000 kPa (5,511 psi) Pilot levers; short-stroke, low-effort hydraulic pilot with shu EPA FT4/EU Stage IV 24 volt 150 amp 14 LEDs 5 LEDs (compartments) 6 LEDs (compartments and riser) 1 LED (right rear cab) 2 9 48 216 mm (8.5 in.) 8.7 rpm 120 000 Nm (88,507 lbft.) 3156G Processor 2.92 m (9 ft. 7 in.) 3156G Processor 3156G VIH Log Load 2.92 m (9 ft. 7 in.)

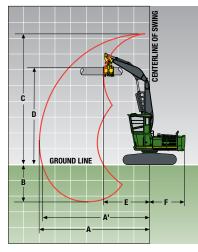
Serviceability	3156G Processor /	VIH Log Loader / L	ive-Heel Log Loader								
Refill Capacities											
Fuel Tank	1080.0 L (285.0 ga	1080.0 L (285.0 gal.)									
Cooling System	39.7 L (10.5 gal.)										
Diesel Exhaust Fluid (DEF) Tank (FT4)	43.6 L (11.5 gal.)	43.6 L (11.5 gal.)									
Engine Crankcase (including filter)	27.0 L (28.5 qt.)	27.0 L (28.5 qt.)									
Hydraulic Tank Oil	195.0 L (52.0 gal.)										
Operating Weights	3156G Processor		3156G VIH Log Lo		3156G Live-Heel						
With full fuel tank, 79-kg (175 lb.) operator, rear-entry forestry cab, 6558-kg (14,458 lb.) heavy counterweight, 700-mm (28 in.) double-grouser shoes, and 2.92-m (9 ft. 7 in.) undercarriage; no attachment included											
	EPA FT4/ EU Stage IV	EPA Tier 3/ EU Stage IIIA	EPA FT4/ EU Stage IV	EPA Tier 3/ EU Stage IIIA	EPA FT4/ EU Stage IV	EPA Tier 3/ EU Stage IIIA					
SAE Operating Weight	42 579 kg (93,870 lb.)	42 352 kg (93,370 lb.)	42 352 kg (93,371 lb.)	42 126 kg (92,871 lb.)	43 429 kg (95,745 lb.)	43 202 kg (95,245 lb.)					
Optional Components (add weight)											
Side-Entry Cab	–671 kg (–1,480 lb.)	–671 kg (–1,480 lb.)	–671 kg (–1,480 lb.)	–671 kg (–1,480 lb.)	–671 kg (–1,480 lb.)	–671 kg (–1,480 lb.)					
Rear-Entry Cab – Cab Forward	68 kg (150 lb.)	68 kg (150 lb.)	68 kg (150 lb.)	68 kg (150 lb.)	68 kg (150 lb.)	68 kg (150 lb.)					
Operating Dimensions											
With standard equipment, 700-mm (28 i	n.) shoes, 6558-kg (14	4,458 lb.) heavy cour	nterweight, full fuel t	tank, and 79-kg (175 l	b.) operator						
	4.56-m (14 ft. 11 in	4.56-m (14 ft. 11 in.)		n.)	4.56-m (14 ft. 11 i	4.56-m (14 ft. 11 in.)					
	Processor Arm	Processor Arm		lrm	Live-Heel Log Loader Arm						
A Maximum Reach	11.07 m (36 ft. 4 in	11.07 m (36 ft. 4 in.)		1.)	12.55 m (41 ft. 2 in.)						
AI Maximum Reach at Ground Level	10.82 m (35 ft. 6 ir	10.82 m (35 ft. 6 in.)		in.)	12.34 m (40 ft. 6 in.)						
B Maximum Working Depth	3.05 m (10 ft. 0 in.	3.05 m (10 ft. 0 in.)		.)	4.45 m (14 ft. 7 in.)						
C Maximum Working Height	13.00 m (42 ft. 8 i	13.00 m (42 ft. 8 in.)		.)	14.53 m (47 ft. 8 in.)						
D Maximum Log-Level Height	10.06 m (33 ft. 0 ii	1.)	8.97 m (29 ft. 5 ii	n.)*	9.25 m (30 ft. 4 in.)†						
D Maximum Log-Level Height	N/A		N/A		10.19 m (33 ft. 5 in.)‡						
E Minimum Swing Radius	4.57 m (15 ft. 0 in.)	5.03 m (16 ft. 6 ir	1.)	4.57 m (15 ft. 0 in.)						
F Tail Swing Radius	3.71 m (12 ft. 2 in.)		3.71 m (12 ft. 2 in.)	3.71 m (12 ft. 2 in.)						

*Attachment dependent. /†Log resting on heel rack rear plate, attachment dependent. /‡Log resting on heel rack front plate, attachment dependent.

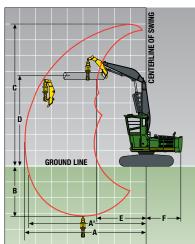
3156G Processor



3156G VIH

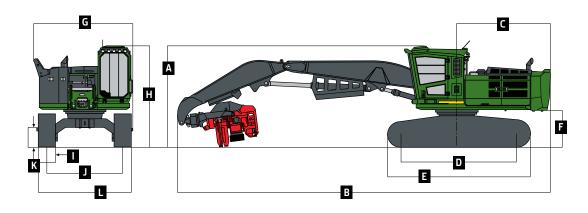


3156G Live Heel

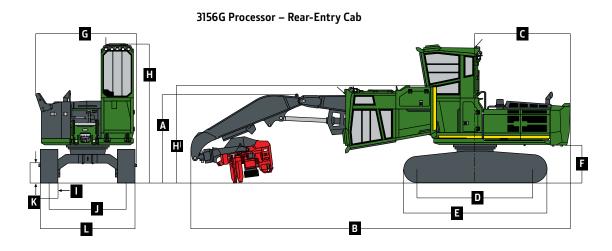


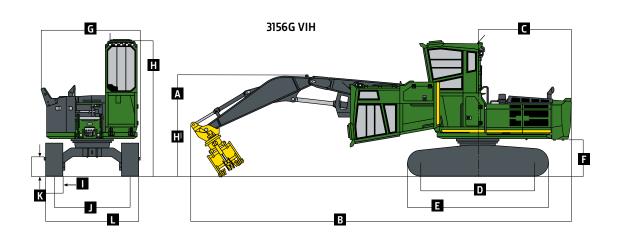
Machine Dimensions	3156G Processor	3156G VIH Log Loader	3156G Live-Heel Log Loader
A Machine Transport Height			
Side-Entry Cab	3.86 m (12 ft. 8 in.)	3.86 m (12 ft. 8 in.)	3.86 m (12 ft. 8 in.)
Rear-Entry Cab	3.73 m (12 ft. 3 in.)	3.71 m (12 ft. 2 in.)	3.71 m (12 ft. 2 in.)
B Overall Length	14.81 m (48 ft. 7 in.)	15.39 m (50 ft. 6 in.)	15.52 m (50 ft. 11 in.)
C Rear-End Length / Swing Radius	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)
D Distance Between Idler / Sprocket Centerline	4.06 m (13 ft. 4 in.)	4.06 m (13 ft. 4 in.)	4.06 m (13 ft. 4 in.)
E Undercarriage Length	5.00 m (16 ft. 5 in.)	5.00 m (16 ft. 5 in.)	5.00 m (16 ft. 5 in.)
F Counterweight Clearance	1.50 m (4 ft. 11 in.)	1.50 m (4 ft. 11 in.)	1.50 m (4 ft. 11 in.)
G Upperstructure Width	3.48 m (11 ft. 5 in.)	3.48 m (11 ft. 5 in.)	3.48 m (11 ft. 5 in.)
H Cab Height			
Side-Entry Cab	3.86 m (12 ft. 8 in.)	3.86 m (12 ft. 8 in.)	3.86 m (12 ft. 8 in.)
Rear-Entry Cab	5.21 m (17 ft. 1 in.)	5.21 m (17 ft. 1 in.)	5.21 m (17 ft. 1 in.)
HI Tilted Cab Height (rear-entry cab)	3.71 m (12 ft. 2 in.)	3.71 m (12 ft. 2 in.)	3.71 m (12 ft. 2 in.)
I Track Width With 700-mm (28 in.) Double-	0.70 m (28 in.)	0.70 m (28 in.)	0.70 m (28 in.)
Grouser Shoes			
J Center of Sprocket to Center of Sprocket	2.92 m (9 ft. 7 in.)	2.92 m (9 ft. 7 in.)	2.92 m (9 ft. 7 in.)
K Ground Clearance	0.79 m (31 in.)	0.79 m (31 in.)	0.79 m (31 in.)
L Undercarriage Width With 700-mm (28 in.) Double-Grouser Shoes	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)	3.63 m (11 ft. 11 in.)

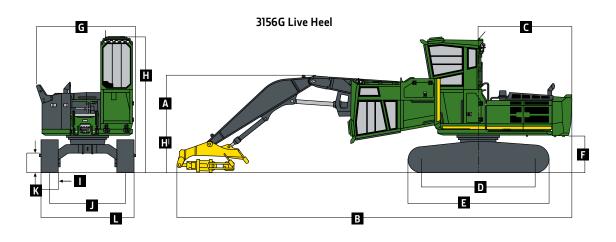
3156G Processor - Side-Entry Cab



Machine Dimensions (continued)







31566 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.

ift Capacity — 3156G									10-	(DE C:)
151.011		4.6 m (15 ft.)		6.1 m (20 ft.)		7.6 m (25 ft.)		9.1 m (30 ft.)		(35 ft.)
oad Point Height	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Si
12.2 m (40 ft.)	12 950	12 950								
	(28,550)	(28,550)								
10.7 m (35 ft.)	13 730	13 730	11 780	11 780						
	(30,260)	(30,260)	(25,970)	(25,970)						
9.1 m (30 ft.)			11 180	11 180	9960	9640				
			(24,640)	(24,640)	(21,950)	(21,240)				
7.6 m (25 ft.)			11 210	11 210	9840	9670	8750	7140		
			(24,710)	(24,710)	(21,700)	(21,310)	(19,280)	(15,730)		
6.1 m (20 ft.)	14 140	14 140	11 720	11 720	10 040	9530	8740	7110		
	(31,170)	(31,170)	(25,830)	(25,830)	(22,140)	(21,000)	(19,260)	(15,680)		
4.6 m (15 ft.)	16 000	16 000	12 570	12 570	10 410	9270	8820	6990	7280	5450
1.0 111 (15 1 t.)	(35,260)	(35,260)	(27,710)	(27,710)	(22,940)	(20,440)	(19,450)	(15,410)	(16,040)	(12,02
3.1 m (10 ft.)	18 050	18 050	13 440	12 500	10 740	8960	8850	6830	7110	540
J.1111 (10 1 t.)	(39,770)	(39,770)	(29,620)	(27,550)	(23,680)	(19,740)	(19,510)	(15,040)	(15,680)	(11,90
1 C /C f+ \	18 980	18 360	13 840	11 930	10 800	8650		6660	6630	
1.5 m (5 ft.)							(10,000)			533
C 11:	(41,830)	(40,460)	(30,500)	(26,290)	(23,810)	(19,070)	(19,090)	(14,680)	(14,600)	(11,75
Ground Line	17 980	17 680	13 350	11 530	10 330	8420	8050	6540	5520	530
	(39,630)	(38,970)	(29,430)	(25,410)	(22,770)	(18,560)	(17,740)	(14,410)	(12,180)	(11,68
–1.5 m (–5 ft.)	15 240	15 240	11 770	11 340	9090	8300	6740	6490		
	(33,600)	(33,600)	(25,950)	(24,980)	(20,030)	(18,290)	(14,850)	(14,300)		
–3.1 m (–10 ft.)			8980	8980						
			(19,800)	(19,800)						
ft Capacity — 3156G			9 ft. 7 in.) und	ercarriage, 70	0-mm (28 in.)	shoes, and h	eavy counterw	eight; bare pi	in	
12.2 m (40 ft.)	14 950	14 950								
	(32,960)	(32,960)								
10.7 m (35 ft.)	13 920	13 920	11 990	11 990						
	(30,680)	(30,680)	(26,430)	(26,430)						
9.1 m (30 ft.)	. , .		11 390	11 390	10 170	9780				
			(25,110)	(25,110)	(22,420)	(21,550)				
7.6 m (25 ft.)			11 440	11 440	10 070	9820	8970	7290		
			(25,210)	(25,210)	(22,190)	(21,650)	(19,760)	(16,080)		
6.1 m (20 ft.)	14 420	14 420	11 980	11 980	10 280	9700	8970	7290		
0.1 111 (20 11.)	(31,770)	(31,770)	(26,400)	(26,400)	(22,670)	(21,390)	(19,770)	(16,060)		
4.6 m (15 ft.)	16 320	16 320	12 850	12 850	10 660	9470	9060	7180	7450	563
ר.ט ווו (וס דנ.)	(35,970)	(35,970)	(28,320)	(28,320)	(23,500)	(20,870)	(19,970)	(15,820)	(16,430)	(12,4
21 m /10 f+ 1	(33,370)	(35,570)								
3.1 m (10 ft.)			13 740	12 730	11 010	9170	9100	7030	7330	559
7.F. (F.C.)			(30,280)	(28,070)	(24,270)	(20,220)	(20,050)	(15,490)	(16,140)	(12,31
1.5 m (5 ft.)			14 150	12 190	11 080	8890	8910	6880	6830	553
			(31,180)	(26,870)	(24,410)	(19,590)	(19,640)	(15,160)	(15,060)	(12,19
Ground Line	18 310	18 030	13 660	11 810	10 600	8670	8290	6760	5700	550
	(40,360)	(39,740)	(30,100)	(26,030)	(23,370)	(19,100)	(18,270)	(14,900)	(12,560)	(12,13
–1.5 m (–5 ft.)	15 540	15 540	12 060	11 630	9350	8550	6960	6710		
	(34,260)	(34,260)	(26,580)	(25,630)	(20,600)	(18,850)	(15,350)	(14,800)		

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 — 3156G Live-Heel Log Loader with 2.92-m (9 ft. 7 in.) undercarriage, 700-mm (28 in.) shoes, and heavy counterweight; bare pin													
	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.)		12.2 m (40 ft.)	
Load Point Height	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.)	13 500 (29,750)	13 500 (29,750)	11 560 (25,470)	11 560 (25,470)									
10.7 m (35 ft.)			10 330 (22,770)	10 330 (22,770)	9260 (20,410)	8810 (19,420)	7020 (15,480)	6770 (14,930)					
9.1 m (30 ft.)			9990 (22,010)	9990 (22,010)	8870 (19,540)	8870 (19,540)	7950 (17,530)	6500 (14,320)					
7.6 m (25 ft.)			10 130 (22,320)	10 130 (22,320)	8910 (19,630)	8910 (19,630)	7880 (17,370)	6750 (14,880)	6930 (15,280)	5370 (11,830)			
6.1 m (20 ft.)			10 830 (23,870)	10 830 (23,870)	9260 (20,400)	9260 (20,400)	8010 (17,660)	6760 (14,900)	6920 (15,250)	5370 (11,830)			
4.6 m (15 ft.)			11 010 (24,260)	11 010 (24,260)	9750 (21,490)	9090 (20,040)	8220 (18,110)	6680 (14,730)	6960 (15,330)	5290 (11,660)	5630 (12,410)	4110 (9,060)	
3.1 m (10 ft.)			12 110 (26,680)	12 110 (26,680)	10 230 (22,540)	8820 (19,430)	8380 (18,470)	6560 (14,460)	6980 (15,380)	5190 (11,440)	5520 (12,160)	4090 (9,010)	
1.5 m (5 ft.)			13 280 (29,260)	12 160 (26,790)	10 470 (23,080)	8500 (18,730)	8420 (18,560)	6490 (14,300)	6860 (15,120)	5070 (11,180)	5110 (11,270)	4050 (8,920)	
Ground Line	12 660 (27,900)	12 660 (27,900)	13 460 (29,660)	11 570 (25,510)	10 360 (22,840)	8310 (18,310)	8230 (18,130)	6310 (13,900)	6470 (14,260)	4960 (10,930)	4170 (9,200)	4020 (8,870)	
–1.5 m (–5 ft.)	10 190 (22,450)	10 190 (22,450)	12 740 (28,070)	11 140 (24,560)	9760 (21,520)	8030 (17,700)	7580 (16,700)	6160 (13,570)	5600 (12,340)	4890 (10,780)			
–3.1 m (–10 ft.)	11 230 (24,760)	11 230 (24,760)	10 980 (24,200)	10 920 (24,060)	8390 (18,490)	7900 (17,410)	6230 (13,730)	6090 (13,420)					



