

130G EXCAVATOR

13 388–14 481-kg (29,489–31,896-lb.) Operating Weight



JOHN DEERE





Your next big thing.

Whether you're moving up from a backhoe to an excavator as you build your business. Or, adding an agile niche machine to your fleet that's just the right size — our 130G will meet your expanding needs. Its relatively small stature makes it highly nimble on-site and easy to transport between jobsites. With more arm force than the model it replaces, plus power boost, it's also noticeably more muscular. Inside the spacious cab, an easy-to-navigate enhanced LCD monitor lets you dial-in a wealth of machine functionality and information. Powered by a durable EPA Interim Tier 4 (IT4)/EU Stage IIIB John Deere PowerTech™ diesel, the 130G meets rigid emission regulations, enabling you to work, everywhere there's work — including nonattainment areas.



Even though it's the smallest of our mid-size excavators, the highly capable 130G's impressive working specs empower it to tackle a wide variety of tasks. Equip yours with an optional dozer blade and put even more work within reach.

The EPA IT4/EU Stage IIIB technology in our excavators is simple, fuel efficient, fully integrated, and fully supported. It employs field-proven cooled exhaust gas recirculation (EGR) for reducing NO_x, and a diesel particulate filter (DPF) and diesel oxidation catalyst (DOC) to reduce particulate matter.

With John Deere WorkSight™, JDLink™ provides real-time machine utilization and health data, plus location information. Fleet Care proactively suggests maintenance to correct problems early before they turn into costly downtime. And Service ADVISOR™ Remote enables your dealer to read diagnostic codes, record performance data, and even update software without a trip to the jobsite. It's the most comprehensive, easy-to-use suite of technology available for increasing uptime and productivity while lowering operating costs. And it's only available from John Deere.

Specifications	130G
Net rated power	72 kW (97 hp)
Operating weight	13 388 kg (29,489 lb.) without blade / 14 481 kg (31,896 lb.) with blade
Lifting capacity	2631 kg (5,800 lb.)
Maximum digging depth	6.06 m (19 ft. 11 in.)
Maximum arm digging force	60 kN (13,521 lb.)
Maximum bucket digging force	96 kN (21,480 lb.)

Fits the way you work.

Whether you're digging footings, loading trucks, installing utilities, or whatever, the 130G won't have any trouble fitting in with you or your crew. Its no-compromise Powerwise™ III hydraulic management system and short-throw joysticks yield the same pinpoint metering and smooth-as-silk low-effort control you get with all of our excavators. When the task demands extra effort, power boost provides additional hydraulic muscle to help pull you through. It's an advantage you'll especially appreciate when excavating hard ground or placing heavy pipe. What's more, three power modes and available control-pattern selector easily adapt to job demands and the way you work.

Powerwise III perfectly balances engine performance and hydraulic flow for predictable operation. Three productivity modes allow you to choose the digging style that fits the job. **High-productivity** delivers more power and faster hydraulic response to move more material. **Power** delivers a balance of power, speed, and fuel economy for normal operation. **Economy** reduces top speed and helps save fuel.

Machine Information Center (MIC) captures and stores vital machine performance and utilization data to help improve productivity, uptime, and profit.

Want to add a breaker or other attachment? Factory-installed high-pressure, high-flow auxiliary hydraulic packages meet the need.





1. For tasks that require extra finesse, short-throw low-effort joysticks, fine metering, and smooth multifunction operation give the precision you need.

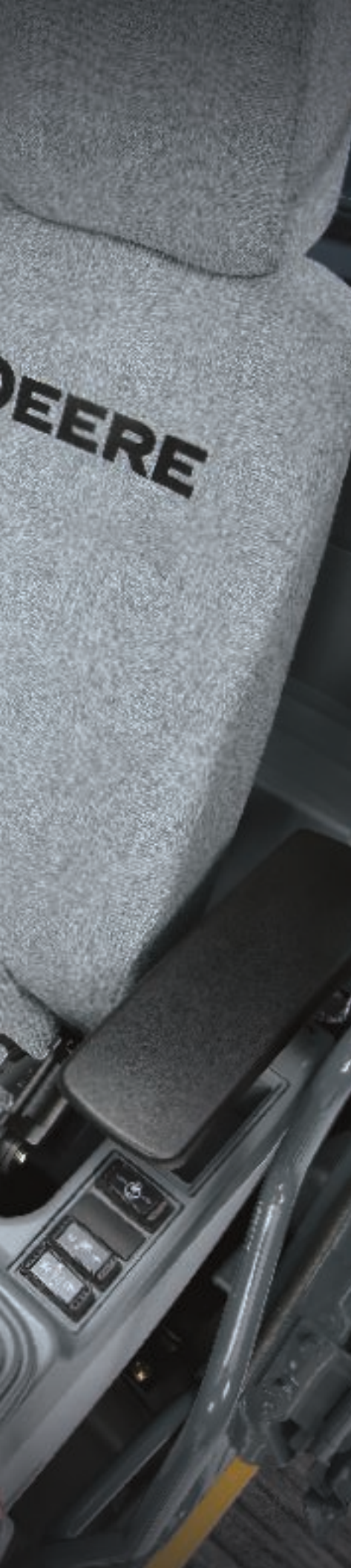
2. Need a little extra hydraulic muscle to get the job done? Simply press the button on the right-hand joystick and muscle through. Power boost also kicks in automatically in boom-up/lifting functions.

3. Optional blade is a highly useful addition for cleanup and backfilling, and provides additional lift capacity and stability when running breakers and other heavy-duty attachments.

Put operating ease on speed dial.

Now it's easier than ever for you to "dial things up." The 130G's enhanced monitor employs a rotary control that makes it quick and easy to tap into an abundance of performance and convenience functions and features. You'll also appreciate the comfortable fabric-covered high-back seat and increased legroom in the spacious, well-appointed cab. As always, unsurpassed all-round visibility, low-effort joysticks, a highly efficient HVAC system, and numerous other amenities provide everything you need to do your best work.





Spacious cab is comfortable and noticeably quiet. Silicone-filled mounts effectively isolate you from noise and vibration.

We've got your back with a sculpted mechanical-suspension high-back seat. Seat has 318 mm (12½ in.) of travel, sliding together or independent of the joystick console. So it won't cramp an operator's style. For even more support and comfort, opt for the air-suspension heated seat.

Ergonomically correct short-throw pilot joysticks provide smooth, predictable fingertip control with less movement or effort. Push buttons in the right-side lever allow fingertip control of auxiliary hydraulic flow for operating attachments.

There's no shortage of storage in here. You'll find a place for a cooler, cup holders, and even a hot/cold box that keeps beverages at just the right temperature.

Go from backhoe- to SAE-style controls with just a twist of your wrist. Optional lockable control-pattern-selector valve comes factory installed.

No need to leave the seat to match hydraulic flow to your attachment. Changes are push-button easy and done through the monitor.

Convenient 12-volt port powers cell phones and other electronic devices.

Self-cleaning steps, wide entryways, and convenient grab bars help ease cab entry and exit.

Standard boom/frame lights and cab/boom-mounted options provide illumination to extend your workday beyond normal daylight hours.

1. Multi-language LCD monitor and rotary dial provide intuitive access to a wealth of information and functions. Just turn and tap to select work mode, access operating info, check maintenance intervals, source diagnostic codes, adjust cab temperature, and tune the radio. Plus much more.

2. Wide expanse of front and side glass, narrow front cab posts, large overhead glass, and numerous mirrors provide virtually unobstructed all-around visibility. If you need to see more, choose the optional camera that displays the action behind on the monitor.

3. Automatic, high-velocity bi-level climate-control system with automotive-style adjustable louvers helps keep the glass clear and the cab comfortable.

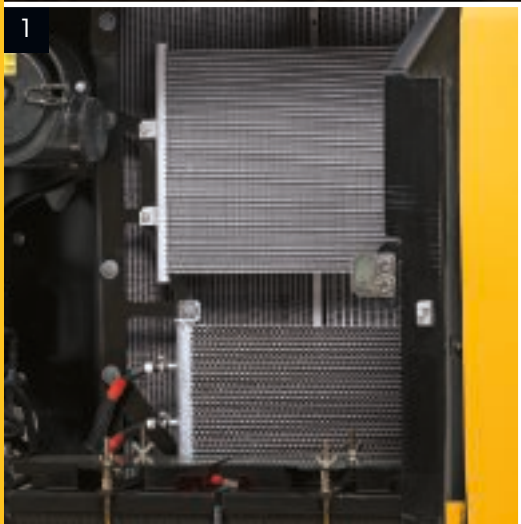




1. Highly efficient heavy-duty cooling system keeps things cool, even in tough environments or high altitudes. Optional reversing fan back-blows cooler cores to reduce debris buildup. It's a welcome addition that helps increase uptime by reducing maintenance.

2. Standard TK-Series bucket teeth are engineered for maximum strength and impact absorption. Hammer-free installation and removal simplifies changes, minimizes downtime.

3. Reinforced D-channel side frames provide maximum cab and component protection.





A John Deere exclusive, three welded bulkheads within the boom resist torsional stress for unsurpassed durability. In fact, its boom, arm, and mainframe are so tough, they're warranted for three years or 10,000 hours.

Thick-plate single-sheet mainframe, box-section track frames, and industry-exclusive double-seal swing bearing deliver rock-solid durability.

Wet-sleeve cylinder liners, mono-steel pistons, and large-diameter connecting rods ensure long-term engine durability.

Reinforced resin thrust plates, grooved bushings, and thermal-coated bucket joints increase arm and boom lube intervals to 500 hours.

Oil-impregnated bushings enhance durability and extend grease intervals to 500 hours for the arm-and-boom joint and 100 hours for the bucket joint.

Tungsten-carbide coating creates an extremely wear-resistant surface to protect the all-important bucket-to-arm joint.

With large idlers, rollers, and strutted links, the sealed and lubricated undercarriage delivers long and reliable performance.

Nothing runs like this Deere.

Unlike some excavators that scream for attention, the 130G's hydraulically driven on-demand fan runs as fast as needed, helping reduce noise and fuel consumption. Its highly efficient cooling system keeps things running cool, even in high-trash environments and high altitudes. Other traditional John Deere features include tungsten-carbide thermal-coated arm surfaces, oil-impregnated bushings, and three welded-boom bulkheads. For maximum uptime and long-term durability. When you know how they're built, you'll run a Deere.

Here's how the 130G helps control operating costs.

Like all of our machines, the 130G is loaded with features that make it hassle-free to service and low cost to maintain. Large, easy-to-open service doors and easy-access service points make quick work of daily and periodic maintenance. Remote-mounted vertical oil and fuel filters are simple to service, and extended engine and hydraulic oil-change intervals increase uptime. Plus the Machine Information Center (MIC), state-of-the-art monitor, and fluid-sample ports enable you to make timely decisions about machine upkeep — helping you manage downtime and operating costs.

Seamless diesel particulate filter (DPF) soot cleaning happens automatically without impacting machine productivity. Periodic DPF ash removal is condition based and should be performed by your John Deere dealer. Actual intervals may exceed EPA minimums and are affected by machine application and maintenance practices.

Fluid-level sight gauges are conveniently located and can be checked at a glance.

Convenient color-coded lubrication and maintenance chart helps ensure that nothing gets overlooked.

Large fuel tank and 500- and 5,000-hour engine and hydraulic oil-service intervals decrease downtime for routine maintenance.

Auto-idle automatically reduces engine speed when hydraulics aren't in use. Auto-shutdown further preserves precious fuel.

Optional reversing fan back-blows cooler cores to reduce debris buildup. It's a welcome addition that helps increase uptime.

Centralized lube banks place difficult-to-lube zerks within easy reach. They make greasing less messy and time consuming, too.



1. Easy-to-read LCD monitor tracks scheduled maintenance intervals and issues reminders. Should a problem arise, it provides diagnostic information to help decrease downtime.
2. Fluid-sample and remote diagnostic ports help speed preventative maintenance and troubleshooting.
3. Vertical spin-on fuel and engine oil filters are conveniently located in the right rear compartment for simplified ground-level servicing.

1 Engine Oil Filter	
Previous Maintenance	
2012/06/22	0.0 h
Remains	375.8 h
Maintenance Interval	500.0 h





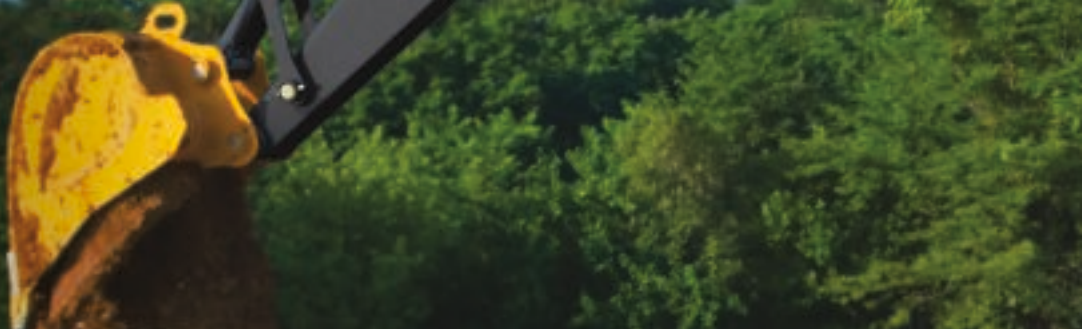
4. Fresh-air cab filter is quickly serviced from outside the cab where it's more likely to get done.

5. Easy-to-reach dipstick and nearby coolant reservoir make daily checks and/or additions quick and easy.

6. Perforations in the side shields act as a "first filter." Anything that passes through will also clear the wide-fin cooler cores.



130G



Engine		130G	
		<i>Base engine for use in the U.S., U.S. Territories, and Canada</i>	<i>Optional engine for use outside the U.S. and U.S. Territories</i>
Manufacturer and Model		John Deere PowerTech™ PWX	John Deere 4045H
Non-Road Emission Standard		EPA Interim Tier 4/EU Stage IIIB	EPA Tier 3/EU Stage IIIA
Net Rated Power (ISO 9249)		72 kW (97 hp) at 2,000 rpm	69 kW (93 hp) at 2,000 rpm
Cylinders		4	4
Displacement		4.5 L (275 cu. in.)	4.5 L (275 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
Cooling			
Cool-on-demand hydraulic-driven, suction-type fan with remote-mounted drive			
Powertrain			
2-speed propel with automatic shift			
Maximum Travel Speed			
Low		3.3 km/h (2.1 mph)	
High		5.5 km/h (3.4 mph)	
Drawbar Pull		11 217 kg (24,729 lb.)	
Hydraulics			
Open center, load sensing			
Main Pumps		2 variable-displacement axial-piston pumps	
Maximum Rated Flow		105 L/m (28 gpm) x 2	
Pilot Pump		One gear	
Maximum Rated Flow		32.9 L/m (8.7 gpm)	
Pressure Setting		3930 kPa (570 psi)	
System Operating Pressure			
Circuits			
Implement		34 336 kPa (4,980 psi)	
Travel		34 336 kPa (4,980 psi)	
Swing		32 300 kPa (4,685 psi)	
Power Boost		36 300 kPa (5,265 psi)	
Controls		Pilot levers, short stroke, low-effort hydraulic pilot controls with shutoff lever	
Cylinders			
		<i>Bore</i>	<i>Rod Diameter</i>
Boom (2)		105 mm (4.13 in.)	70 mm (2.76 in.)
Arm (1)		115 mm (4.53 in.)	80 mm (3.15 in.)
Bucket (1)		100 mm (3.94 in.)	70 mm (2.76 in.)
			<i>Stroke</i>
Boom (2)			940 mm (37.00 in.)
Arm (1)			1 135 mm (44.70 in.)
Bucket (1)			874 mm (34.40 in.)
Electrical			
Number of Batteries (12 volt)		2	
Battery Capacity		1,400 CCA	
Alternator Rating		100 amp	
Work Lights		2 halogen (one mounted on boom, one on frame)	
Undercarriage			
Rollers (each side)			
Carrier		1	
Track		7	
Shoes, Triple Semi-Grouser (each side)		44	
Track			
Adjustment		Hydraulic	
Guide		Front idler	
Chain		Sealed and lubricated	
Ground Pressure			
		<i>Without Blade</i>	<i>With Blade</i>
600-mm (24 in.) Triple Semi-Grouser Shoes		34 kPa (4.99 psi)	37 kPa (5.39 psi)
700-mm (28 in.) Triple Semi-Grouser Shoes		30 kPa (4.34 psi)	32 kPa (4.70 psi)
600-mm (24 in.) Rubber Crawler Pad		34 kPa (4.91 psi)	37 kPa (5.31 psi)



Swing Mechanism	130G
Speed	13.3 rpm
Torque	34 000 Nm (25,000 lb.-ft.)

Serviceability

Refill Capacities	
Fuel Tank	280 L (74 gal.)
Cooling System	23.5 L (24.8 qt.)
Engine Oil with Filter	14.5 L (15 qt.)
Hydraulic Tank	69 L (18.2 gal.)
Hydraulic System	185 L (48.9 gal.)
Gearbox	
Swing	3.2 L (3.4 qt.)
Propel (each)	4.0 L (4.2 qt.)

Operating Weights

With full fuel tank; 79-kg (175 lb.) operator; 914-mm (36 in.), 0.50-m³ (0.65 cu. yd.), 414-kg (913 lb.) general-purpose bucket; 3.01-m (9 ft. 11 in.) arm; and 2400-kg (5,291 lb.) counterweight

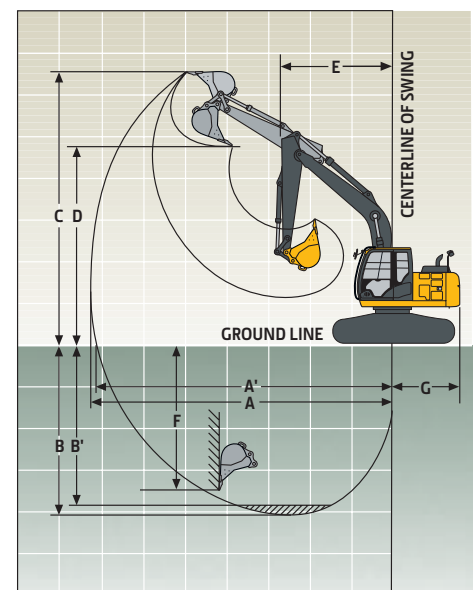
Operating Weights	<i>Without Blade</i>	<i>With Blade</i>
600-mm (24 in.) Triple Semi-Grouser Shoes	13 288 kg (29,269 lb.)	14 365 kg (31,641 lb.)
700-mm (28 in.) Triple Semi-Grouser Shoes	13 388 kg (29,489 lb.)	14 481 kg (31,896 lb.)
600-mm (24 in.) Rubber Crawler Pad	13 088 kg (28,828 lb.)	14 165 kg (31,200 lb.)

Component Weights

Undercarriage	<i>Without Blade</i>	<i>With Blade</i>
600-mm (24 in.) Triple Semi-Grouser Shoes	4304 kg (9,480 lb.)	5381 kg (11,852 lb.)
700-mm (28 in.) Triple Semi-Grouser Shoes	4490 kg (9,890 lb.)	5583 kg (12,297 lb.)
600-mm (24 in.) Rubber Crawler Pad	4190 kg (9,229 lb.)	5267 kg (11,601 lb.)
One-Piece Boom (with arm cylinder)	988 kg (2,176 lb.)	
Arm with Bucket Cylinder and Linkage		
2.52 m (8 ft. 3 in.)	431 kg (949 lb.)	
3.01 m (9 ft. 11 in.)	501 kg (1,104 lb.)	
Boom-Lift Cylinders (2), Total Weight	436 kg (960 lb.)	
914-mm (36 in.), 0.50-m ³ (0.65 cu. yd.) Bucket	414 kg (913 lb.)	
Counterweight, Standard	2400 kg (5,291 lb.)	

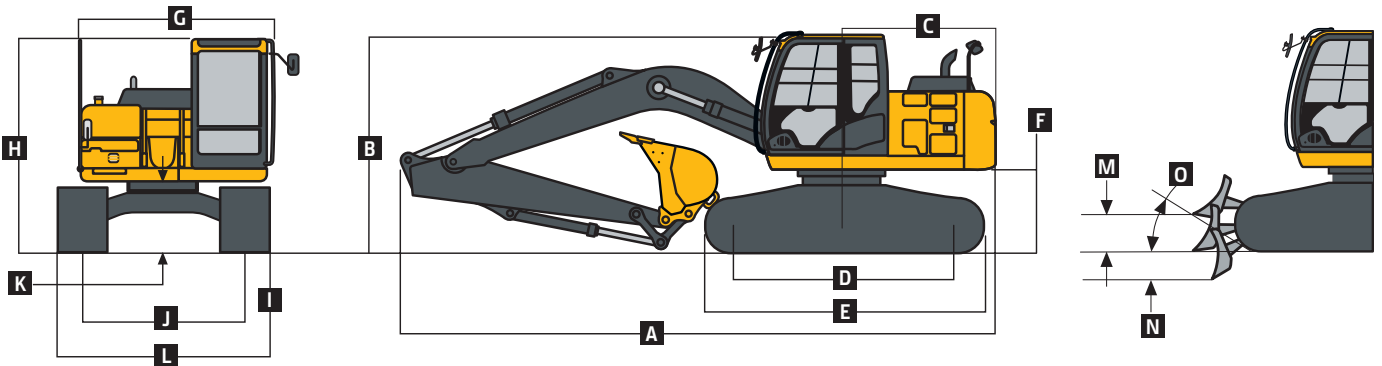
Operating Dimensions

Arm Length	<i>2.52 m (8 ft. 3 in.)</i>	<i>3.01 m (9 ft. 11 in.)</i>
Arm Digging Force		
SAE	65 kN (14,611 lb.)	59 kN (13,167 lb.)
ISO	67 kN (15,066 lb.)	60 kN (13,521 lb.)
Bucket Digging Force		
SAE	85 kN (19,015 lb.)	85 kN (19,015 lb.)
ISO	96 kN (21,480 lb.)	96 kN (21,480 lb.)
Lifting Capacity Over Front at Ground Level	2654 kg (5,850 lb.)	2631 kg (5,800 lb.)
6.1-m (20 ft. 0 in.) Reach (with power boost)		
A Maximum Reach	8.32 m (27 ft. 4 in.)	8.79 m (28 ft. 10 in.)
A^l Maximum Reach at Ground Level	8.20 m (26 ft. 11 in.)	8.67 m (28 ft. 5 in.)
B Maximum Digging Depth	5.57 m (18 ft. 3 in.)	6.06 m (19 ft. 11 in.)
B^l Maximum Digging Depth at 2.44-m (8 ft. 0 in.) Flat Bottom	5.35 m (17 ft. 7 in.)	5.88 m (19 ft. 3 in.)
C Maximum Cutting Height	8.60 m (28 ft. 3 in.)	8.93 m (29 ft. 4 in.)
D Maximum Dumping Height	6.19 m (20 ft. 4 in.)	6.52 m (21 ft. 5 in.)
E Minimum Swing Radius	2.40 m (7 ft. 10 in.)	2.62 m (8 ft. 7 in.)
F Maximum Vertical Wall	5.02 m (16 ft. 6 in.)	5.50 m (18 ft. 1 in.)
G Tail-Swing Radius	2.19 m (7 ft. 2 in.)	2.19 m (7 ft. 2 in.)



Machine Dimensions 130G

A Overall Length with Arm	2.52 m (8 ft. 3 in.)	7.70 m (25 ft. 3 in.)
	3.01 m (9 ft. 11 in.)	7.71 m (25 ft. 4 in.)
B Overall Height with Arm	2.52 m (8 ft. 3 in.)	2.87 m (9 ft. 5 in.)
	3.01 m (9 ft. 11 in.)	2.87 m (9 ft. 5 in.)
C Rear-End Length/Swing Radius		2.19 m (7 ft. 2 in.)
D Distance Between Idler/Sprocket Centerline		2.88 m (9 ft. 5 in.)
E Undercarriage Length		3.58 m (11 ft. 9 in.)
F Counterweight Clearance		840 mm (33 in.)
G Upperstructure Width		2.46 m (8 ft. 1 in.)
H Cab Height		2.79 m (9 ft. 2 in.)
I Track Width with Triple Semi-Grouser Shoes		600 mm (24 in.) / 700 mm (28 in.)
J Gauge Width		1.99 m (6 ft. 6 in.)
K Ground Clearance		410 mm (16 in.)
L Overall Width with Triple Semi-Grouser Shoes		
600 mm (24 in.)		2.59 m (8 ft. 6 in.)
700 mm (28 in.)		2.69 m (8 ft. 10 in.)
M Blade Lift Height		523 mm (21 in.)
N Blade Cut Below Grade		488 mm (19 in.)
O Blade Lift Angle		27 deg.
Blade Length		2.51 m (8 ft. 3 in.)
Blade Height		523 mm (21 in.)
Blade Width with Triple Semi-Grouser Shoes		
600 mm (24 in.)		2590 mm (8 ft. 6 in.)
700 mm (28 in.)		2690 mm (8 ft. 10 in.)



Lift Capacities

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 414-kg (913 lb.) bucket, standard counterweight, and standard gauge; and situated on firm, level, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All lift capacities are based on ISO 10567 (with power boost).

Load Point Height	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)	
Horizontal Distance from Centerline of Rotation	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
<i>With 2.52-m (8 ft. 3 in.) arm and 600-mm (24 in.) triple semi-grouser shoes, without blade</i>										
4.5 m (15 ft.)					3250	3250	2950	1950		
					(7,050)	(7,050)	(6,000)	(4,150)		
3.0 m (10 ft.)			5550	5550	4050	3100	2850	1900		
			(11,900)	(11,900)	(8,700)	(6,700)	(6,150)	(4,050)		
1.5 m (5 ft.)			7750	5400	4450	2900	2750	1800		
			(17,700)	(11,700)	(9,550)	(6,200)	(5,950)	(3,850)		
Ground Line			6150	5150	4250	2700	2700	1700		
			(14,350)	(11,000)	(9,150)	(5,850)	(5,750)	(3,700)		
-1.5 m (-5 ft.)	4300	4300	8700	5100	4200	2650	2650	1700		
	(9,650)	(9,650)	(18,650)	(10,950)	(9,000)	(5,700)	(5,700)	(3,650)		
-3.0 m (-10 ft.)	8200	8200	7550	5200	4250	2700				
	(18,550)	(18,550)	(16,250)	(11,150)	(9,100)	(5,800)				

Lift Capacities (continued)

130G

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 414-kg (913 lb.) bucket, standard counterweight, and standard gauge; and situated on firm, level, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All lift capacities are based on ISO 10567 (with power boost).

Load Point

Height	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)	
Horizontal Distance from Centerline of Rotation	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side

With 3.01-m (9 ft. 11 in.) arm and 600-mm (24 in.) rubber crawler pads, without blade

4.5 m (15 ft.)					2750	2750	2800	2000		
3.0 m (10 ft.)			4550	4550	3550	3200	2950	1950		
1.5 m (5 ft.)			7400	5650	4550	2950	2800	1850	1900	1200
Ground Line			6750	5200	4350	2750	2700	1750		
-1.5 m (-5 ft.)	3750	3750	8550	5100	4200	2650	2650	1700		
-3.0 m (-10 ft.)	6800	6800	8100	5150	4250	2650	2700	1700		
-4.5 m (-15 ft.)			5750	5350	3400	2800				

With 3.01-m (9 ft. 11 in.) arm and 600-mm (24 in.) rubber crawler pads, blade on ground

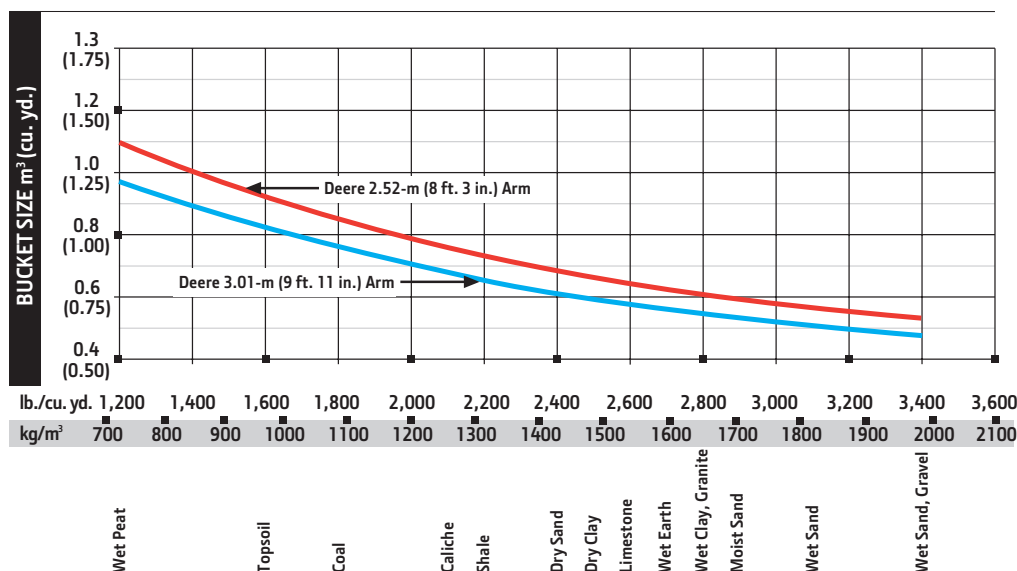
4.5 m (15 ft.)					2750	2750	2800	2200		
3.0 m (10 ft.)			4550	4550	3550	3450	3100	2100		
1.5 m (5 ft.)			7400	6100	4650	3200	3600	2000	1900	1350
Ground Line			6750	5700	5450	3000	4000	1900		
-1.5 m (-5 ft.)	3750	3750	8550	5550	5750	2900	4100	1850		
-3.0 m (-10 ft.)	6800	6800	8100	5600	5300	2900	3500	1900		
-4.5 m (-15 ft.)			5750	5750	3400	3050				

Buckets

A full line of buckets is offered to meet a wide variety of applications. Digging forces are with power boost. Buckets are equipped with John Deere Fanggs™ or ESCO teeth standard. Replaceable cutting edges and a variety of teeth are available through John Deere Parts. Optional side cutters add 150 mm (6 in.) to bucket widths. Capacities are SAE heaped ratings.

Type Bucket	Bucket Width		Bucket Capacity		Bucket Weight		Bucket Dig Force		Arm Dig Force 2.52 m (8 ft. 3 in.)		Arm Dig Force 3.01 m (9 ft. 11 in.)		Bucket Tip Radius		Number of Teeth
	mm	in.	m ³	cu. yd.	kg	lb.	kN	lb.	kN	lb.	kN	lb.	mm	in.	
Heavy Duty Plate Lip	610	24	0.37	0.48	460	1,014	84.6	19,015	65.0	14,611	58.6	13,167	1328	52.27	4
	760	30	0.50	0.65	522	1,150	84.6	19,015	65.0	14,611	58.6	13,167	1328	52.27	4
	915	36	0.62	0.81	589	1,297	84.6	19,015	65.0	14,611	58.6	13,167	1328	52.27	5
	1065	42	0.76	0.99	631	1,390	84.6	19,015	65.0	14,611	58.6	13,167	1328	52.27	5
Ditching	1500	60	0.63	0.83	457	1,007	121.9	27,411	72.7	16,337	64.6	14,529	921	36.25	0

Bucket Selection Guide*



*Contact your John Deere dealer for optimum bucket and attachment selections. These recommendations are for general conditions and average use. Does not include optional equipment such as thumbs or couplers. Larger buckets may be possible when using light materials, for flat and level operations, less compacted materials, and volume loading applications such as mass-excavation applications in ideal conditions. Smaller buckets are recommended for adverse conditions such as off-level applications, rocks, and uneven surfaces. Bucket capacity indicated is SAE heaped.

Lift Capacities (continued)

130G

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 414-kg (913 lb.) bucket, standard counterweight, and standard gauge; and situated on firm, level, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All lift capacities are based on ISO 10567 (with power boost).

Load Point Height		1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)	
Horizontal Distance from Centerline											
of Rotation		Over Front		Over Side		Over Front		Over Side		Over Side	
<i>With 2.52-m (8 ft. 3 in.) arm and 600-mm (24 in.) triple semi-grouser shoes, blade on ground</i>											
4.5 m (15 ft.)						3250 (7,050)		3250 (7,050)		3000 (6,000)	
3.0 m (10 ft.)				5550 (11,900)		5550 (11,900)		4050 (8,700)		3450 (7,500)	
1.5 m (5 ft.)				7750 (17,700)		5900 (12,700)		5000 (10,850)		3150 (6,750)	
Ground Line				6150 (14,350)		5600 (12,000)		5700 (12,300)		2950 (6,400)	
-1.5 m (-5 ft.)		4300 (9,650)		4300 (9,650)		8850 (19,150)		5550 (11,950)		5750 (12,450)	
-3.0 m (-10 ft.)		8200 (18,550)		8200 (18,550)		7550 (16,250)		5650 (12,150)		5000 (10,700)	
<i>With 2.52-m (8 ft. 3 in.) arm and 700-mm (28 in.) triple semi-grouser shoes, without blade</i>											
4.5 m (15 ft.)						3250 (7,050)		3250 (7,050)		3000 (6,000)	
3.0 m (10 ft.)				5550 (11,900)		5550 (11,900)		4050 (8,700)		3150 (6,800)	
1.5 m (5 ft.)				7750 (17,700)		5500 (11,850)		4500 (9,700)		2900 (6,300)	
Ground Line				6150 (14,350)		5200 (11,200)		4350 (9,300)		2750 (5,950)	
-1.5 m (-5 ft.)		4300 (9,650)		4300 (9,650)		8850 (18,900)		5200 (11,100)		4250 (9,150)	
-3.0 m (-10 ft.)		8200 (18,550)		8200 (18,550)		7550 (16,250)		5300 (11,350)		4300 (9,250)	
<i>With 2.52-m (8 ft. 3 in.) arm and 700-mm (28 in.) triple semi-grouser shoes, blade on ground</i>											
4.5 m (15 ft.)						3250 (7,050)		3250 (7,050)		3000 (6,000)	
3.0 m (10 ft.)				5550 (11,900)		5550 (11,900)		4050 (8,700)		3400 (7,350)	
1.5 m (5 ft.)				7750 (17,700)		5950 (12,850)		5000 (10,850)		3200 (6,850)	
Ground Line				6150 (14,350)		5650 (12,200)		5700 (12,300)		3000 (6,500)	
-1.5 m (-5 ft.)		4300 (9,650)		4300 (9,650)		8850 (19,150)		5650 (12,100)		5750 (12,450)	
-3.0 m (-10 ft.)		8200 (18,550)		8200 (18,550)		7550 (16,250)		5750 (12,300)		5000 (10,700)	
<i>With 2.52-m (8 ft. 3 in.) arm and 600-mm (24 in.) rubber crawler pads, without blade</i>											
4.5 m (15 ft.)						3250 (7,050)		3250 (7,050)		3000 (6,000)	
3.0 m (10 ft.)				5550 (11,900)		5550 (11,900)		4050 (8,700)		3150 (6,800)	
1.5 m (5 ft.)				7750 (17,700)		5500 (11,900)		4550 (9,750)		2900 (6,300)	
Ground Line				6150 (14,350)		5200 (11,200)		4350 (9,350)		2750 (5,950)	
-1.5 m (-5 ft.)		4300 (9,650)		4300 (9,650)		8850 (18,950)		5200 (11,150)		4250 (9,200)	
-3.0 m (-10 ft.)		8200 (18,550)		8200 (18,550)		7550 (16,250)		5300 (11,350)		4300 (9,300)	
<i>With 2.52-m (8 ft. 3 in.) arm and 600-mm (24 in.) rubber crawler pads, blade on ground</i>											
4.5 m (15 ft.)						3250 (7,050)		3250 (7,050)		3000 (6,000)	
3.0 m (10 ft.)				5550 (11,900)		5550 (11,900)		4050 (8,700)		3400 (7,350)	
1.5 m (5 ft.)				7750 (17,700)		6000 (12,850)		5000 (10,850)		3200 (6,850)	
Ground Line				6150 (14,350)		5700 (12,200)		5700 (12,300)		3000 (6,500)	
-1.5 m (-5 ft.)		4300 (9,650)		4300 (9,650)		8850 (19,150)		5650 (12,100)		5750 (12,450)	
-3.0 m (-10 ft.)		8200 (18,550)		8200 (18,550)		7550 (16,250)		5750 (12,350)		5000 (10,700)	

Lift Capacities (continued)

130G

Load Point
Height 1.5 m (5 ft.) 3.0 m (10 ft.) 4.5 m (15 ft.) 6.0 m (20 ft.) 7.5 m (25 ft.)

Horizontal Distance from Centerline

of Rotation **Over Front** **Over Side** **Over Front** **Over Side** **Over Front** **Over Side** **Over Front** **Over Side** **Over Front** **Over Side**

With 3.01-m (9 ft. 11 in.) arm and 600-mm (24 in.) triple semi-grouser shoes, without blade

4.5 m (15 ft.)					2750	2750	2800	2000			
					(6,000)	(6,000)	(6,200)	(4,250)			
3.0 m (10 ft.)			4550	4550	3550	3150	2900	1900			
			(9,600)	(9,600)	(7,750)	(6,800)	(6,200)	(4,100)			
1.5 m (5 ft.)				5550	4550	2900	3550	1800	2900	1200	
				(15,850)	(12,000)	(9,650)	(6,250)	(5,950)	(3,850)		
Ground Line			6750	5150	4250	2700	2650	1700			
			(15,750)	(11,000)	(9,150)	(5,800)	(5,750)	(3,650)			
-1.5 m (-5 ft.)	3750	3750	8550	5000	4150	2600	2600	1650			
	(8,450)	(8,450)	(18,450)	(10,750)	(8,900)	(5,600)	(5,600)	(3,550)			
-3.0 m (-10 ft.)	6800	6800	8100	5050	4150	2600	2650	1650			
	(15,400)	(15,400)	(17,450)	(10,900)	(8,950)	(5,600)					
-4.5 m (-15 ft.)			5750	5300	3400	2750					
			(12,150)	(11,350)							

With 3.01-m (9 ft. 11 in.) arm and 600-mm (24 in.) triple semi-grouser shoes, blade on ground

4.5 m (15 ft.)					2750	2750	2800	2150			
					(6,000)	(6,000)	(6,200)	(4,650)			
3.0 m (10 ft.)			4550	4550	3550	3400	3100	2100			
			(9,600)	(9,600)	(7,750)	(7,350)	(6,800)	(4,450)			
1.5 m (5 ft.)			7400	6050	4650	3150	3600	2000	1900	1300	
			(15,850)	(13,000)	(10,000)	(6,800)	(7,800)	(4,250)			
Ground Line			6750	5600	5450	2950	4000	1900			
			(15,750)	(12,000)	(11,800)	(6,350)	(8,650)	(4,050)			
-1.5 m (-5 ft.)	3750	3750	8550	5450	5750	2850	4100	1850			
	(8,450)	(8,450)	(19,550)	(11,750)	(12,400)	(6,150)	(8,850)	(3,950)			
-3.0 m (-10 ft.)	6800	6800	8100	5550	5300	2850	3500	1850			
	(15,400)	(15,400)	(17,450)	(11,850)	(11,400)	(6,150)					
-4.5 m (-15 ft.)			5750	5750	3400	3000					
			(12,150)	(12,150)							

With 3.01-m (9 ft. 11 in.) arm and 700-mm (28 in.) triple semi-grouser shoes, without blade

4.5 m (15 ft.)					2750	2750	2800	2000			
					(6,000)	(6,000)	(6,200)	(4,300)			
3.0 m (10 ft.)			4550	4550	3550	3200	2950	1950			
			(9,600)	(9,600)	(7,750)	(6,900)	(6,300)	(4,150)			
1.5 m (5 ft.)			7400	5650	4550	2950	2800	1850	1900	1200	
			(15,850)	(12,150)	(9,800)	(6,350)	(6,050)	(3,900)			
Ground Line			6750	5200	4350	2750	2700	1750			
			(15,750)	(11,200)	(9,300)	(5,900)	(5,800)	(3,700)			
-1.5 m (-5 ft.)	3750	3750	8550	5100	4200	2650	2650	1700			
	(8,450)	(8,450)	(18,700)	(10,950)	(9,050)	(5,700)	(5,700)	(3,600)			
-3.0 m (-10 ft.)	6800	6800	8100	5150	4200	2650	2700	1700			
	(15,400)	(15,400)	(17,450)	(11,050)	(9,100)	(5,700)					
-4.5 m (-15 ft.)			5750	5350	3400	2800					
			(12,150)	(11,550)							

With 3.01-m (9 ft. 11 in.) arm and 700-mm (28 in.) triple semi-grouser shoes, blade on ground

4.5 m (15 ft.)					2750	2750	2800	2200			
					(6,000)	(6,000)	(6,200)	(4,700)			
3.0 m (10 ft.)			4550	4550	3550	3450	3100	2100			
			(9,600)	(9,600)	(7,750)	(7,450)	(6,800)	(4,550)			
1.5 m (5 ft.)			7400	6100	4650	3200	3600	2000	1900	1350	
			(15,850)	(13,150)	(10,000)	(6,900)	(7,800)	(4,300)			
Ground Line			6750	5650	5450	3000	4000	1900			
			(15,750)	(12,200)	(11,800)	(6,450)	(8,650)	(4,100)			
-1.5 m (-5 ft.)	3750	3750	8550	5550	5750	2900	4100	1850			
	(8,450)	(8,450)	(19,550)	(11,900)	(12,400)	(6,250)	(8,850)	(4,000)			
-3.0 m (-10 ft.)	6800	6800	8100	5600	5300	2900	3500	1900			
	(15,400)	(15,400)	(17,450)	(12,050)	(11,400)	(6,250)					
-4.5 m (-15 ft.)			5750	5750	3400	3050					
			(12,150)	(12,150)							

Additional equipment

Key: ● Standard ▲ Optional or special

See your John Deere dealer for further information.

130G Engine

- Auto-idle system
- Automatic belt-tension device
- Batteries (2 – 12 volt)
- Coolant recovery tank
- Dual-element dry-type air filter
- Electronic engine control
- Enclosed fan guard (conforms to SAE J1308)
- Engine coolant to –37 deg. C (–34 deg. F)
- Fuel filter with water separator
- Full-flow oil filter
- Turbocharger with charge air cooler
- Cool-on-demand hydraulic-driven fan
- 500-hour engine-oil-change interval
- 70% (35 deg.) off-level capability
- Engine-oil-sampling valve
- Programmable auto shutdown
- ▲ Chrome exhaust stack
- ▲ Severe-duty fuel filter
- ▲ Hydraulic fan reverser
- ▲ Engine coolant heater

Hydraulic System

- Reduced-drift valve for boom down, arm in
- Auxiliary hydraulic valve section
- Spring-applied, hydraulically released automatic swing brake
- Auxiliary hydraulic-flow adjustments through monitor
- Auto power lift
- 5,000-hour hydraulic-oil-change interval
- Hydraulic-oil-sampling valve
- ▲ Auxiliary hydraulic lines
- ▲ Auxiliary pilot and electric controls
- ▲ Hydraulic filter restriction indicator kit
- ▲ Load-lowering control device
- ▲ Single-pedal propel control
- ▲ Control pattern-change valve

Undercarriage

- Planetary drive with axial piston motors
- Propel motor shields
- Spring-applied, hydraulically released automatic propel brake
- Track guide, front idler
- 2-speed propel with automatic shift
- Upper carrier roller (1)
- Sealed and lubricated track chain
- ▲ Triple semi-grouser shoes, 600 mm (24 in.)
- ▲ Triple semi-grouser shoes, 700 mm (28 in.)

130G Undercarriage (continued)

- ▲ Rubber crawler pads, 600 mm (24 in.)
- ▲ Undercarriage with blade

Upperstructure

- Right-hand, left-hand, and counterweight mirrors
- Vandal locks with ignition key: Cab door / Service doors / Toolbox
- Debris-screening side panel
- Remote-mounted engine oil and fuel filters

Front Attachments

- Centralized lubrication system
- Dirt seals on all bucket pins
- Less boom and arm
- Oil-impregnated bushings
- Reinforced resin thrust plates
- Tungsten carbide thermal coating on arm-to-bucket joint
- ▲ Arm, 2.52 m (8 ft. 3 in.)
- ▲ Arm, 3.01 m (9 ft. 11 in.)
- ▲ Attachment quick-couplers
- ▲ Boom cylinder with plumbing to mainframe less boom and arm
- ▲ Buckets: Ditching / Heavy duty / Heavy-duty high capacity / Side cutters and teeth
- ▲ Material clamps

Operator's Station

- Meets ISO 12117-2 for ROPS
- Adjustable independent-control positions (levers-to-seat, seat-to-pedals)
- AM/FM radio
- Auto climate control/air conditioner/heater/pressurizer
- Built-in Operator's Manual storage compartment and manual
- Cell-phone power outlet, 12 volt, 60 watt, 5 amp
- Coat hook
- Deluxe suspension cloth seat with 100-mm (4 in.) adjustable armrests
- Floor mat
- Front windshield wiper with intermittent speeds
- Gauges (illuminated): Engine coolant / Fuel
- Horn, electric
- Hour meter, electric
- Hydraulic shutoff lever, all controls
- Hydraulic warm-up control
- Interior light

130G Operator's Station (continued)

- Large cup holder
- Machine Information Center (MIC)
- Mode selectors (illuminated): Power modes (3) / Travel modes (2 with automatic shift) / Work mode (1)
- Multifunction, color LCD monitor with: Diagnostic capability / Multiple-language capabilities / Maintenance tracking / Clock / System monitoring with alarm features: Auto-idle indicator, engine air cleaner restriction indicator light, engine check, engine coolant temperature indicator light with audible alarm, engine oil pressure indicator light with audible alarm, low-alternator-charge indicator light, low-fuel indicator light, fault code alert indicator, fuel-rate display, wiper-mode indicator, work-lights-on indicator, and work-mode indicator
- Motion alarm with cancel switch (conforms to SAE J994)
- Power-boost switch on right console lever
- Auxiliary hydraulic control switches in right console lever
- SAE 2-lever control pattern
- Seat belt, 51 mm (2 in.), retractable
- Tinted glass
- Transparent tinted overhead hatch
- Hot/cold beverage compartment
- ▲ Air-suspension heated seat
- ▲ 24- to 12-volt D.C. radio converters, 10 amp
- ▲ Hydraulic oil filter restriction indicator light
- ▲ Protection screens for cab front, rear, and side
- ▲ Seat belt, 76 mm (3 in.), non-retractable
- ▲ Window vandal-protection covers

Electrical

- 100-amp alternator
- Blade-type multi-fused circuits
- Positive-terminal battery covers
- JDLink™ wireless communication system (available in specific countries; see your dealer for details)
- ▲ Rearview camera
- ▲ Cab extension wiring harness

Lights

- Work lights: Halogen / One mounted on boom / One mounted on frame
- ▲ 2 lights mounted on cab / One mounted on right side of boom

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at test conditions specified per ISO 9249. No derating is required up to 3050-m (10,000 ft.) altitude. Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on a unit with 700-mm (28 in.) triple semi-grouser shoes; full fuel tank; 79-kg (175 lb.) operator; 914-mm (36 in.), 0.50-m³ (0.65 cu. yd.), 414-kg (913 lb.) general-purpose bucket; 3.01-m (9 ft. 11 in.) arm; and 2400-kg (5,291 lb.) counterweight.

