130G EXCAVATOR

13 metric ton

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 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.

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2

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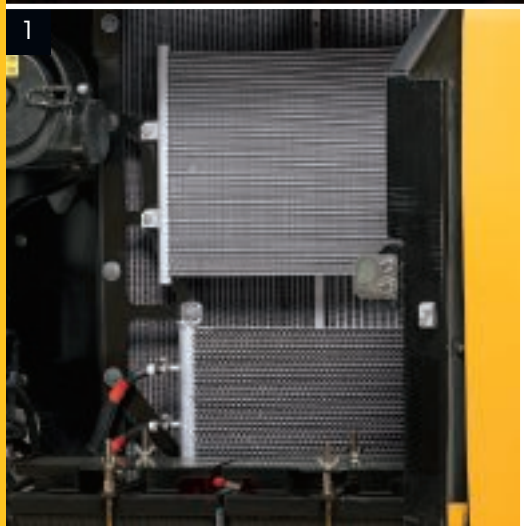
1. Highly efficient heavy-duty cooling system keeps things cool, even in tough environments or high altitudes. Optional reversing fan back-blows cooler cores to reduce debris buildup. It's a welcome addition that helps increase uptime by reducing maintenance.

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.

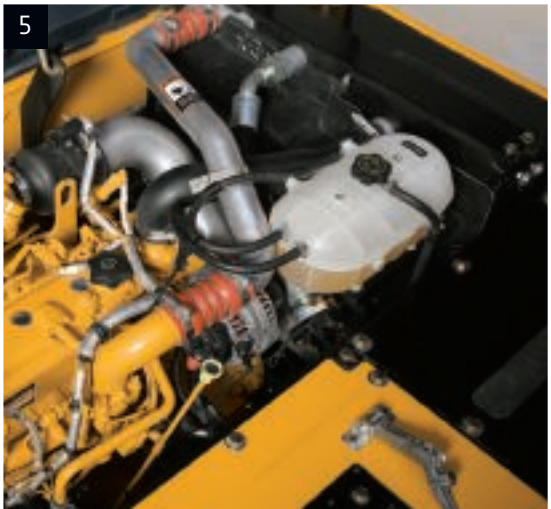
2. Fluid-sample and remote diagnostic ports help speed preventative maintenance and troubleshooting.

3. Vertical spin-on fuel and engine oil filters are conveniently located in the right rear compartment for simplified ground-level servicing.

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.

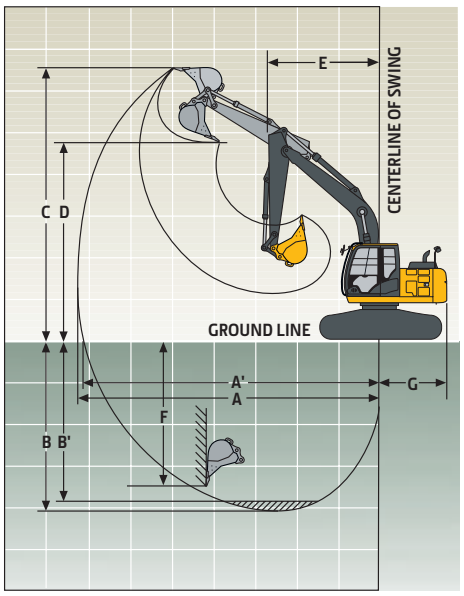
6. Perforations in the side shields act as a "first filter." Anything that passes through will also clear the wide-fin cooler cores.



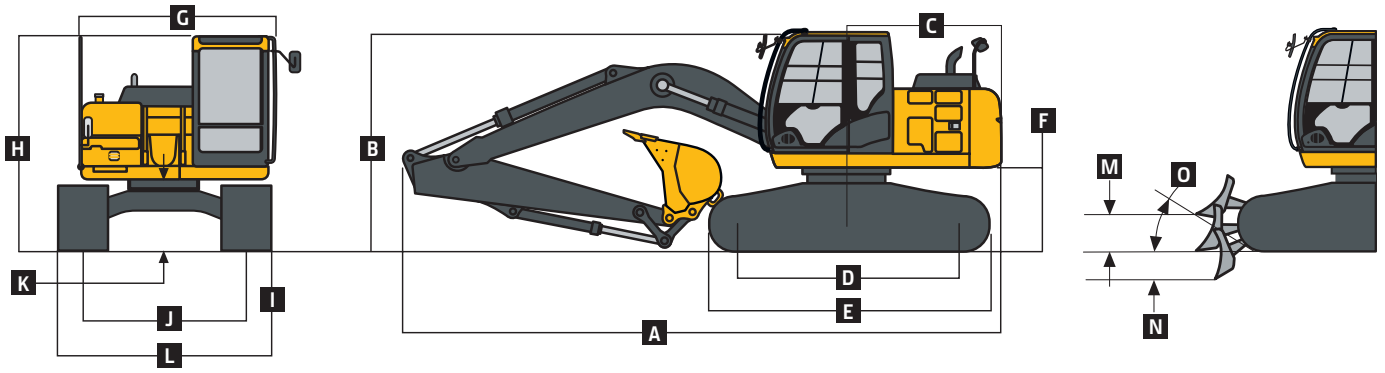
130G

Engine	130G		
	Base engine for use in the U.S., U.S. Territories, and Canada		*Optional engine for use outside the U.S. and U.S. Territories*
Manufacturer and Model	John Deere PowerTech™ PWX		John Deere 4045H
Non-Road Emissions 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			
	Bore	*Rod Diameter*	*Stroke*
Boom (2)	105 mm (4.13 in.)	70 mm (2.76 in.)	940 mm (37.00 in.)
Arm (1)	115 mm (4.53 in.)	80 mm (3.15 in.)	1135 mm (44.70 in.)
Bucket (1)	100 mm (3.94 in.)	70 mm (2.76 in.)	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-Grousers (each side)	44		
Track			
Adjustment	Hydraulic		
Guide	Front idler		
Chain	Sealed and lubricated		
Ground Pressure			
	Without Blade	*With Blade*	
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	*Without Blade*	*With Blade*
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	*Without Blade*	*With Blade*
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-m³ (0.65 cu. yd.) Bucket	414 kg (913 lb.)	
Counterweight, Standard	2400 kg (5,291 lb.)	
Operating Dimensions		
Arm Length	*2.52 m (8 ft. 3 in.)*	*3.01 m (9 ft.11 in.)*
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 6.1-m (20 ft. 0 in.) Reach (with power boost)	2654 kg (5,850 lb.)	2631 kg (5,800 lb.)
A Maximum Reach	8.32 m (27 ft. 4 in.)	8.79 m (28 ft. 10 in.)
A' 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' 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
With 2.52-m (8 ft. 3 in.) arm and 600-mm (24 in.) triple semi-grouser shoes, without blade										
4.5 m (15 ft.)					**3250 (7,050)**	**3250 (7,050)**	2950 **(6,000)**	1950 (4,150)		
3.0 m (10 ft.)			**5550 (11,900)**	**5550 (11,900)**	**4050 (8,700)**	3100 (6,700)	2850 (6,150)	1900 (4,050)		
1.5 m (5 ft.)			**7750 (17,700)**	5400 (11,700)	4450 (9,550)	2900 (6,200)	2750 (5,950)	1800 (3,850)		
Ground Line			**6150 (14,350)**	5150 (11,000)	4250 (9,150)	2700 (5,850)	2700 (5,750)	1700 (3,700)		
–1.5 m (–5 ft.)	**4300 (9,650)**	**4300 (9,650)**	8700 (18,650)	5100 (10,950)	4200 (9,000)	2650 (5,700)	2650 (5,700)	1700 (3,650)		
–3.0 m (–10 ft.)	**8200 (18,550)**	**8200 (18,550)**	**7550 (16,250)**	5200 (11,150)	4250 (9,100)	2700 (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).

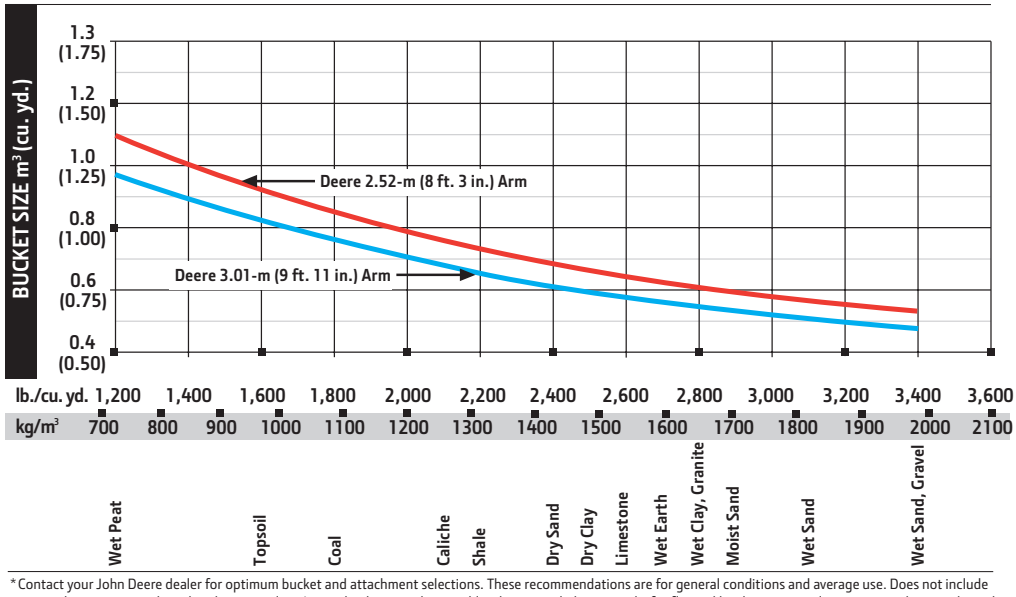
Load Point Height	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)	
Horizontal Distance from Centerline of Rotation	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 3.01-m (9 ft. 11 in.) arm and 600-mm (24 in.) rubber crawler pads, without blade										
4.5 m (15 ft.)					**2750 (6,000)**	**2750 (6,000)**	**2800 (6,200)**	2000 (4,300)		
3.0 m (10 ft.)			**4550 (9,600)**	**4550 (9,600)**	**3550 (7,750)**	3200 (6,900)	2950 (6,300)	1950 (4,150)		
1.5 m (5 ft.)			**7400 (15,850)**	5650 (12,200)	4550 (9,800)	2950 (6,350)	2800 (6,050)	1850 (3,900)	**1900**	1200
Ground Line			**6750 (15,750)**	5200 (11,200)	4350 (9,300)	2750 (5,900)	2700 (5,850)	1750 (3,700)		
–1.5 m (–5 ft.)	**3750 (8,450)**	**3750 (8,450)**	**8550** (18,750)	5100 (10,950)	4200 (9,050)	2650 (5,700)	2650 (5,700)	1700 (3,600)		
–3.0 m (–10 ft.)	**6800 (15,400)**	**6800 (15,400)**	**8100 (17,450)**	5150 (11,050)	4250 (9,100)	2650 (5,700)	2700	1700		
–4.5 m (–15 ft.)			**5750 (12,150)**	5350 (11,550)	**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 (6,000)**	**2750 (6,000)**	**2800 (6,200)**	2200 (4,700)		
3.0 m (10 ft.)			**4550 (9,600)**	**4550 (9,600)**	**3550 (7,750)**	3450 (7,450)	**3100 (6,800)**	2100 (4,550)		
1.5 m (5 ft.)			**7400 (15,850)**	6100 (13,150)	**4650 (10,000)**	3200 (6,900)	**3600 (7,800)**	2000 (4,300)	**1900**	1350
Ground Line			**6750 (15,750)**	5700 (12,200)	**5450 (11,800)**	3000 (6,450)	**4000 (8,650)**	1900 (4,100)		
–1.5 m (–5 ft.)	**3750 (8,450)**	**3750 (8,450)**	**8550 (19,550)**	5550 (11,950)	**5750 (12,400)**	2900 (6,250)	**4100 (8,850)**	1850 (4,000)		
–3.0 m (–10 ft.)	**6800 (15,400)**	**6800 (15,400)**	**8100 (17,450)**	5600 (12,050)	**5300 (11,400)**	2900 (6,250)	**3500**	1900		
–4.5 m (–15 ft.)			**5750 (12,150)**	**5750 (12,150)**	**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 Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 2.52-m (8 ft. 3 in.) arm and 600-mm (24 in.) triple semi-grouser shoes, blade on ground										
4.5 m (15 ft.)					**3250 (7,050)**	**3250 (7,050)**	**3000 (6,000)**	2150 (4,550)		
3.0 m (10 ft.)			**5550 (11,900)**	**5550 (11,900)**	**4050 (8,700)**	3350 (7,250)	**3450 (7,500)**	2050 (4,450)		
1.5 m (5 ft.)			**7750 (17,700)**	5900 (12,700)	**5000 (10,850)**	3150 (6,750)	**3850 (8,300)**	2000 (4,250)		
Ground Line			**6150 (14,350)**	5600 (12,000)	**5700 (12,300)**	2950 (6,400)	**4150 (8,950)**	1900 (4,100)		
–1.5 m (–5 ft.)	**4300 (9650)**	**4300 (9650)**	**8850 (19,150)**	5550 (11,950)	**5750 (12,450)**	2900 (6,250)	**4050 (8,750)**	1850 (4,050)		
–3.0 m (–10 ft.)	**8200 (18,550)**	**8200 (18,550)**	**7550 (16,250)**	5650 (12,150)	**5000 (10,700)**	2950 (6,350)				
With 2.52-m (8 ft. 3 in.) arm and 700-mm (28 in.) triple semi-grouser shoes, without blade										
4.5 m (15 ft.)					**3250 (7,050)**	**3250 (7,050)**	3000 **(6,000)**	2000 (4,250)		
3.0 m (10 ft.)			**5550 (11,900)**	**5550 (11,900)**	**4050 (8,700)**	3150 (6,800)	2900 (6,250)	1900 (4,100)		
1.5 m (5 ft.)			**7750 (17,700)**	5500 (11,850)	4500 (9,700)	2900 (6,300)	2800 (6,050)	1850 (3,950)		
Ground Line			**6150 (14,350)**	5200 (11,200)	4350 (9,300)	2750 (5,950)	2750 (5,850)	1750 (3,750)		
–1.5 m (–5 ft.)	**4300 (9,650)**	**4300 (9,650)**	**8850** (18,900)	5200 (11,100)	4250 (9,150)	2700 (5,800)	2700 (5,800)	1700 (3,700)		
–3.0 m (–10 ft.)	**8200 (18,550)**	**8200 (18,550)**	**7550 (16,250)**	5300 (11,350)	4300 (9,250)	2750 (5,900)				
With 2.52-m (8 ft. 3 in.) arm and 700-mm (28 in.) triple semi-grouser shoes, blade on ground										
4.5 m (15 ft.)					**3250 (7,050)**	**3250 (7,050)**	**3000 (6,000)**	2150 (4,650)		
3.0 m (10 ft.)			**5550 (11,900)**	**5550 (11,900)**	**4050 (8,700)**	3400 (7,350)	**3450 (7,500)**	2100 (4,500)		
1.5 m (5 ft.)			**7750 (17,700)**	5950 (12,850)	**5000 (10,850)**	3200 (6,850)	**3850 (8,300)**	2000 (4,300)		
Ground Line			**6150 (14,350)**	5650 (12,200)	**5700 (12,300)**	3000 (6,500)	**4150 (8,950)**	1950 (4,150)		
–1.5 m (–5 ft.)	**4300 (9,650)**	**4300 (9,650)**	**8850 (19,150)**	5650 (12,100)	**5750 (12,450)**	2950 (6,350)	**4050 (8,750)**	1900 (4,100)		
–3.0 m (–10 ft.)	**8200 (18,550)**	**8200 (18,550)**	**7550 (16,250)**	5750 (12,300)	**5000 (10,700)**	3000 (6,450)				
With 2.52-m (8 ft. 3 in.) arm and 600-mm (24 in.) rubber crawler pads, without blade										
4.5 m (15 ft.)					**3250 (7,050)**	**3250 (7,050)**	3000 **(6,000)**	2000 (4,250)		
3.0 m (10 ft.)			**5550 (11,900)**	**5550 (11,900)**	**4050 (8,700)**	3150 (6,800)	2900 (6,250)	1950 (4,150)		
1.5 m (5 ft.)			**7750 (17,700)**	5500 (11,900)	4550 (9,750)	2900 (6,300)	2800 (6,050)	1850 (3,950)		
Ground Line			**6150 (14,350)**	5200 (11,200)	4350 (9,350)	2750 (5,950)	2750 (5,900)	1750 (3,750)		
–1.5 m (–5 ft.)	**4300 (9,650)**	**4300 (9,650)**	**8850** (18,950)	5200 (11,150)	4250 (9,200)	2700 (5,800)	2700 (5,800)	1750 (3,700)		
–3.0 m (–10 ft.)	**8200 (18,550)**	**8200 (18,550)**	**7550 (16,250)**	5300 (11,350)	4300 (9,300)	2750 (5,900)				
With 2.52-m (8 ft. 3 in.) arm and 600-mm (24 in.) rubber crawler pads, blade on ground										
4.5 m (15 ft.)					**3250 (7,050)**	**3250 (7,050)**	**3000 (6,000)**	2150 (4,650)		
3.0 m (10 ft.)			**5550 (11,900)**	**5550 (11,900)**	**4050 (8,700)**	3400 (7,350)	**3450 (7,500)**	2100 (4,500)		
1.5 m (5 ft.)			**7750 (17,700)**	6000 (12,850)	**5000 (10,850)**	3200 (6,850)	**3850 (8,300)**	2000 (4,350)		
Ground Line			**6150 (14,350)**	5700 (12,200)	**5700 (12,300)**	3000 (6,500)	**4150 (8,950)**	1950 (4,150)		
–1.5 m (–5 ft.)	**4300 (9,650)**	**4300 (9,650)**	**8850 (19,150)**	5650 (12,100)	**5750 (12,450)**	2950 (6,350)	**4050 (8,750)**	1900 (4,100)		
–3.0 m (–10 ft.)	**8200 (18,550)**	**8200 (18,550)**	**7550 (16,250)**	5750 (12,350)	**5000 (10,700)**	3000 (6,450)				

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.) triple semi-grouser shoes, without blade										
4.5 m (15 ft.)					**2750 (6,000)**	**2750 (6,000)**	**2800 (6,200)**	2000 (4,250)		
3.0 m (10 ft.)			**4550 (9,600)**	**4550 (9,600)**	**3550 (7,750)**	3150 (6,800)	2900 (6,200)	1900 (4,100)		
1.5 m (5 ft.)			**(15,850)**	5550 (12,000)	4550 (9,650)	2900 (6,250)	3550 (5,950)	1800 (3,850)	2900	1200
Ground Line			**6750 (15,750)**	5150 (11,000)	4250 (9,150)	2700 (5,800)	2650 (5,750)	1700 (3,650)		
–1.5 m (–5 ft.)	**3750 (8,450)**	**3750 (8,450)**	**8550** (18,450)	5000 (10,750)	4150 (8,900)	2600 (5,600)	2600 (5,600)	1650 (3,550)		
–3.0 m (–10 ft.)	**6800 (15,400)**	**6800 (15,400)**	**8100 (17,450)**	5050 (10,900)	4150 (8,950)	2600 (5,600)	2650	1650		
–4.5 m (–15 ft.)			**5750 (12,150)**	5300 (11,350)	**3400**	2750				
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 (6,000)**	**2750 (6,000)**	**2800 (6,200)**	2150 (4,650)		
3.0 m (10 ft.)			**4550 (9,600)**	**4550 (9,600)**	**3550 (7,750)**	3400 (7,350)	**3100 (6,800)**	2100 (4,450)		
1.5 m (5 ft.)			**7400 (15,850)**	6050 (13,000)	**4650 (10,000)**	3150 (6,800)	**3600 (7,800)**	2000 (4,250)	**1900**	1300
Ground Line			**6750 (15,750)**	5600 (12,000)	**5450 (11,800)**	2950 (6,350)	**4000 (8,650)**	1900 (4,050)		
–1.5 m (–5 ft.)	**3750 (8,450)**	**3750 (8,450)**	**8550 (19,550)**	5450 (11,750)	**5750 (12,400)**	2850 (6,150)	**4100 (8,850)**	1850 (3,950)		
–3.0 m (–10 ft.)	**6800 (15,400)**	**6800 (15,400)**	**8100 (17,450)**	5550 (11,850)	**5300 (11,400)**	2850 (6,150)	**3500**	1850		
–4.5 m (–15 ft.)			**5750 (12,150)**	5750 **(12,150)**	**3400**	3000				
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 (6,000)**	**2750 (6,000)**	**2800 (6,200)**	2000 (4,300)		
3.0 m (10 ft.)			**4550 (9,600)**	**4550 (9,600)**	**3550 (7,750)**	3200 (6,900)	2950 (6,300)	1950 (4,150)		
1.5 m (5 ft.)			**7400 (15,850)**	5650 (12,150)	4550 (9,800)	2950 (6,350)	2800 (6,050)	1850 (3,900)	**1900**	1200
Ground Line			**6750 (15,750)**	5200 (11,200)	4350 (9,300)	2750 (5,900)	2700 (5,800)	1750 (3,700)		
–1.5 m (–5 ft.)	**3750 (8,450)**	**3750 (8,450)**	**8550** (18,700)	5100 (10,950)	4200 (9,050)	2650 (5,700)	2650 (5,700)	1700 (3,600)		
–3.0 m (–10 ft.)	**6800 (15,400)**	**6800 (15,400)**	**8100 (17,450)**	5150 (11,050)	4200 (9,100)	2650 (5,700)	2700	1700		
–4.5 m (–15 ft.)			**5750 (12,150)**	5350 (11,550)	**3400**	2800				
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 (6,000)**	**2750 (6,000)**	**2800 (6,200)**	2200 (4,700)		
3.0 m (10 ft.)			**4550 (9,600)**	**4550 (9,600)**	**3550 (7,750)**	3450 (7,450)	**3100 (6,800)**	2100 (4,550)		
1.5 m (5 ft.)			**7400 (15,850)**	6100 (13,150)	**4650 (10,000)**	3200 (6,900)	**3600 (7,800)**	2000 (4,300)	**1900**	1350
Ground Line			**6750 (15,750)**	5650 (12,200)	**5450 (11,800)**	3000 (6,450)	**4000 (8,650)**	1900 (4,100)		
–1.5 m (–5 ft.)	**3750 (8,450)**	**3750 (8,450)**	**8550 (19,550)**	5550 (11,900)	**5750 (12,400)**	2900 (6,250)	**4100 (8,850)**	1850 (4,000)		
–3.0 m (–10 ft.)	**6800 (15,400)**	**6800 (15,400)**	**8100 (17,450)**	5600 (12,050)	**5300 (11,400)**	2900 (6,250)	**3500**	1900		
–4.5 m (–15 ft.)			**5750 (12,150)**	5750 **(12,150)**	**3400**	3050				

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 rollers (2)
	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 convertors, 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.

SAFETY live with it

www.JohnDeere.com

DKAX130G Litho in U.S.A. (12-07)