

G-SERIES
EXCAVATORS



JOHN DEERE

130G



**WORKOUT
WARRIOR**



RELIABLE



PRODUCTIVE



*IT'S A **BIG DEAL***



AL.



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 — the reimagined 130G can meet your needs and exceed your expectations. Customer-inspired new standards include Powerwise Plus™ technology to boost performance on demand, fuel-shutoff valve for conserving critical resources, and pattern-control switch that eases operation. Factory-installed options such as hydraulic single-pedal propel system and deluxe LED lighting package help the workday seem less like work. These are a few of the small details that can make the 130G a pretty big thing for your operation.

IDEAS IN ACTION

YOUR INPUT DRIVES US.

Your great ideas helped inspire some of the best new features of the 130G. Find out how easy it is to do lots more with one in your fleet.

Control pattern

Pattern-control switch is now a standard feature instead of a field-kit option.

Performance plus

Powerwise Plus technology delivers fuel-efficient power when you need it.

Let there be light

Opt for the factory-installed deluxe LED lighting package to shed more light on the jobsite when needed.

Move forward

Optional hydraulic single-pedal propel system enables straight-line machine tracking without articulating both hand and foot pedals.

Fuel saver

Standard fuel-shutoff valve helps conserve precious fluid and regulate flow to the engine.



HYDRAULIC
SINGLE-PEDAL
PROPEL SYSTEM (OPTIONAL)





STANDOUT FEATURE

POWERWISE PLUS™

TECHNOLOGY.

FITS THE WAY YOU WORK

HAVE IT YOUR WAY.

Dig footings, load trucks, install utilities — you name it. The Powerwise Plus hydraulic-management system combines extra ability with smooth control and pinpoint finesse to help the 130G fit in more work on a wide variety of jobsites.

Intuitive technology

John Deere Powerwise Plus technology delivers on-demand power. Precise pump flow when the pilot controls are metered provides reliable, fuel-efficient machine performance.

Go with the flow

Two factory-installed high-pressure, high-flow auxiliary packages deliver additional hydraulic capability to power attachments.

Extra leverage

Simply press the button on the right-hand joystick for a little more hydraulic muscle. Power boost also kicks in automatically in boom-up/lifting functions.

Precise reliability

For work that requires extra finesse, short-throw low-effort controls, unmatched metering, and smooth multifunction operation deliver dependable precision.

Blade runner

Optional blade is a useful addition for cleanup and backfilling. It provides additional lift capacity and stability when running hydraulic hammers and other heavy-duty attachments.



PRESS POWER BOOST FOR
MORE MUSCLE

A TURN FOR THE BETTER

PUT OPERATING EASE ON SPEED DIAL.

It's pretty easy to "dial things up" in the well-appointed 130G cab. The monitor employs a rotary control that makes it quick and simple to tap into an abundance of performance and convenience functions and features. The quiet and spacious cab features expansive all-around visibility and numerous amenities designed to elevate operating ease.

In the groove and in the know

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. A USB port helps keep you digitally connected.

Take control

Ergonomically correct short-throw pilot joysticks provide smooth, precise fingertip control with less movement or effort. Push buttons in the right lever allow predictable control of auxiliary hydraulic flow for operating attachments. Optional sliding switch provides proportional speed control, giving you full command at your fingertips.

Cool and collected

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

We've got your back

Sculpted mechanical-suspension high-back seat with 12.5 in. of travel slides together or independent of the joystick console, so it won't cramp an operator's style. Opt for a factory-installed premium air-suspension leather seat that adjusts three ways, is thermally heated and actively cooled, and includes a high-visibility orange seat belt.

Pedal propel

Optional hydraulic single-pedal propel system moves the machine when and where you need it to without having to articulate both the hand and foot pedals.

Shed some light on it

Optional deluxe LED lights at cab front and rear, boom, and toolbox illuminate when your workday extends beyond daylight. They use less power, output more light, last longer, and are easy to replace when necessary.





3-WAY ADJUSTABLE

**PREMIUM
LEATHER SEAT**

(OPTIONAL)



***NOTHING RUNS LIKE
THIS DEERE.***

PROVEN AND RELIABLE
THE CHOICE IS EASY.

The 130G may be smaller in stature than some of its G-Series siblings. But it was designed with the same durable components and attention to quality you've come to expect from our excavators. When you know how they're built, you'll run a Deere.



COOL-ON-DEMAND
SUCTION-TYPE FAN



Pattern of protection

Standard pattern-control switch and fuel shutoff are well protected yet conveniently accessible at ground level.

Underneath it all

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

Solid solution

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

Let's hear it for the fans

Highly efficient heavy-duty cooling system keeps things cool, even in tough environments or high altitudes. Cool-on-demand suction-type fan helps reduce material buildup and maintenance.

Stress management

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.

FT4 engine technology

To meet stringent EPA Final Tier 4 (FT4)/EU Stage IV standards, we built on our Interim Tier 4 (IT4)/Stage IIIB solution to deliver the best combination of performance, efficiency, and reliability without sacrificing power or torque. Our technology is simple, fluid efficient, fully integrated, and fully supported. It employs field-proven cooled exhaust gas recirculation (EGR), easy-to-maintain high-uptime exhaust filters, and selective catalytic reduction (SCR).

HASSLE-FREE MAINTENANCE

CONTROL OPERATING COSTS.

Refill 'er up

Large fuel tank and 500- and 5,000-hour engine and hydraulic oil-service intervals decrease downtime for routine maintenance. Fluid-level sight gauges are conveniently located and can be checked at a glance.

FT4 ash service

Ash-service intervals for the diesel particulate filter (DPF) are condition based, with the machine notifying the operator before service is required. Typically, ash service is not necessary until the first engine overhaul depending on machine application and maintenance practices. FT4/Stage IV components are warranted for three years or 10,000 hours.

It's automatic

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

Get a grip

Upper-structure handrails provide three points of contact when accessing the engine compartment. Slip-resistant surfaces help improve stability.



Get valuable insight with

JOHN DEERE WORKSIGHT™

John Deere WorkSight is an exclusive suite of telematics solutions that increases uptime while lowering operating costs. At its heart, JDLink™ machine monitoring provides real-time utilization data and alerts to help you maximize productivity and efficiency while minimizing downtime. Remote diagnostics enable your dealer to read codes and record performance data without a trip to the jobsite.

Keep downtime down with

JOHN DEERE ULTIMATE UPTIME

John Deere Ultimate Uptime, featuring John Deere WorkSight, is a customizable support solution available exclusively from your Deere dealer. This flexible offering maximizes equipment availability with standard John Deere WorkSight capabilities that can help prevent future downtime and speed repairs when needed. In addition to the base John Deere WorkSight features, our dealers work with you to build an uptime package that meets the specific needs of your machine, fleet, project, and business, including customized maintenance and repair agreements, onsite parts availability, extended warranties, fluid sampling, response-time guarantees, and more.





130G SPECIFICATIONS

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™ PWS 4.5L	John Deere 4045H	
Non-Road Emission Standard	EPA Final Tier 4/EU Stage IV	EPA Tier 3/EU Stage IIIA	
Net Rated Power (ISO 9249)	73 kW (98 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			
Electronically controlled, variable-rate, suction type			
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	1 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.)	941 mm (37.05 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.)	875 mm (34.45 in.)
Electrical			
Number of Batteries (12 volt)	2		
Battery Capacity	750 CCA		
Alternator Rating	100 amp		
Work Lights	2 halogen (1 mounted on boom, 1 on frame)		
Undercarriage			
Rollers (per side)			
Carrier	1		
Track	7		
Shoes (per side)	44		
Track			
Adjustment	Hydraulic		
Guides	None		
Chain	Sealed and lubricated		
Ground Pressure			
Triple Semi-Grouser Shoes	Without Blade	With Blade	
600 mm (24 in.)	38 kPa (5.51 psi)	35.24 kPa (5.11 psi)	
700 mm (28 in.)	32 kPa (4.64 psi)	35.90 kPa (5.21 psi)	
600-mm (24 in.) Rubber Crawler Pad	28 kPa (4.06 psi)	37.00 kPa (5.37 psi)	

130G SPECIFICATIONS



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

Serviceability

Refill Capacities

Fuel Tank	285 L (75.3 gal.)
Cooling System	23.5 L (24.8 qt.)
Engine Oil with Filter	17 L (18.0 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.)
Diesel Exhaust Fluid (DEF) Tank	26.7 L (28.2 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 2350-kg (5,181 lb.) counterweight

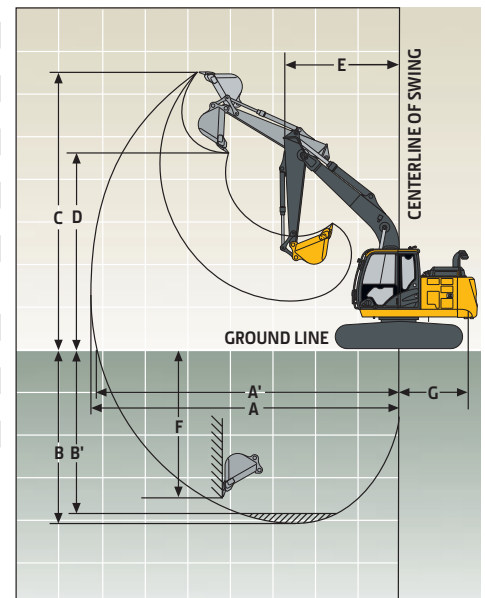
Operating Weights	<i>Without Blade</i>	<i>With Blade</i>
600 mm (24 in.) Triple Semi-Grouser Shoes	13 169 kg (29,007 lb.)	13 624 kg (30,009 lb.)
700 mm (28 in.) Triple Semi-Grouser Shoes	13 407 kg (29,531 lb.)	13 880 kg (30,573 lb.)
600-mm (24 in.) Rubber Crawler Pad	13 847 kg (30,500 lb.)	14 302 kg (31,502 lb.)

Optional Components

Undercarriage		
600 mm (24 in.) Triple Semi-Grouser Shoes	4517 kg (9,958 lb.)	4972 kg (10,961 lb.)
700 mm (28 in.) Triple Semi-Grouser Shoes	4755 kg (10,482 lb.)	5228 kg (11,525 lb.)
600-mm (24 in.) Rubber Crawler Pad	5195 kg (11,453 lb.)	5650 kg (12,456 lb.)
1-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.)	

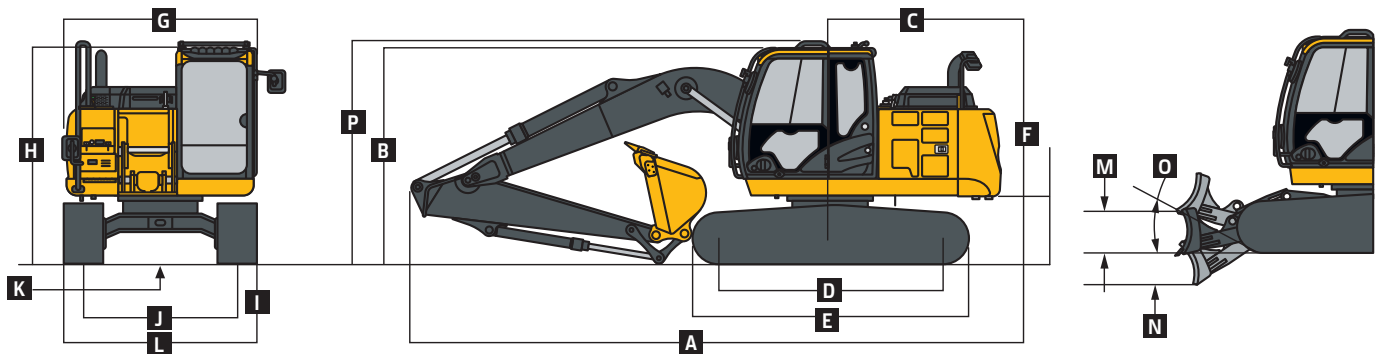
Operating Dimensions

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.)
A Maximum Reach	8.32 m (27 ft. 4 in.)	8.77 m (28 ft. 9 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	5.54 m (18 ft. 2 in.)	6.03 m (19 ft. 9 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	
Arm Length		2.52 m (8 ft. 3 in.)	3.01 m (9 ft. 11 in.)
A	Overall Length	7.70 m (25 ft. 3 in.)	7.71 m (25 ft. 4 in.)
B	Overall Height	2.75 m (9 ft. 0 in.)	2.74 m (9 ft. 0 in.)
C	Rear-End Length/Swing Radius	2.19 m (7 ft. 2 in.)	2.19 m (7 ft. 2 in.)
D	Distance Between Idler/Sprocket Centerline	2.88 m (9 ft. 5 in.)	2.88 m (9 ft. 5 in.)
E	Undercarriage Length	3.58 m (11 ft. 9 in.)	3.58 m (11 ft. 9 in.)
F	Counterweight Clearance	840 mm (33 in.)	840 mm (33 in.)
G	Upperstructure Width	2.46 m (8 ft. 1 in.)	2.46 m (8 ft. 1 in.)
H	Cab Height	2.79 m (9 ft. 2 in.)	2.79 m (9 ft. 2 in.)
I	Track Width with Triple Semi-Grouser Shoes	600 mm (24 in.) / 700 mm (28 in.)	600 mm (24 in.) / 700 mm (28 in.)
J	Gauge Width	1.99 m (6 ft. 6 in.)	1.99 m (6 ft. 6 in.)
K	Ground Clearance	410 mm (16 in.)	410 mm (16 in.)
L	Overall Width with Triple Semi-Grouser Shoes		
	600 mm (24 in.)	2.59 m (8 ft. 6 in.)	2.59 m (8 ft. 6 in.)
	700 mm (28 in.)	2.69 m (8 ft. 10 in.)	2.69 m (8 ft. 10 in.)
M	Blade Lift Height	523 mm (21 in.)	523 mm (21 in.)
N	Blade Cut Below Grade	488 mm (19 in.)	488 mm (19 in.)
O	Blade Lift Angle	27 deg.	27 deg.
	Blade Length	2.51 m (8 ft. 3 in.)	2.51 m (8 ft. 3 in.)
	Blade Height	523 mm (21 in.)	523 mm (21 in.)
	Blade Width with Triple Semi-Grouser Shoes		
	600 mm (24 in.)	2590 mm (8 ft. 6 in.)	2590 mm (8 ft. 6 in.)
	700 mm (28 in.)	2690 mm (8 ft. 10 in.)	2690 mm (8 ft. 10 in.)
P	Transport Height*	2.87 m (9 ft. 5 in.)	2.87 m (9 ft. 5 in.)

*Pin in transport position.



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.) general-purpose bucket, 2350-kg (5,181 lb.) 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	HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION									
	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.)	
	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 (7,050)	3250 (7,050)	3000 (6,600)	2050 (4,400)		
3.0 m (10 ft.)			5550 (11,900)	5550 (11,900)	4050 (8,700)	3250 (7,000)	3000 (6,450)	2000 (4,250)		
1.5 m (5 ft.)			7750 (17,700)	5700 (12,250)	4650 (10,000)	3000 (6,500)	2900 (6,250)	1900 (4,100)		
Ground Line			6150 (14,350)	5400 (11,600)	4450 (9,600)	2850 (6,150)	2800 (6,050)	1800 (3,900)		
-1.5 m (-5 ft.)	4300 (9,700)	4300 (9,700)	8850 (19,150)	5350 (11,500)	4400 (9,450)	2800 (6,000)	2800 (6,000)	1800 (3,850)		
-3.0 m (-10 ft.)	8200 (18,550)	8200 (18,550)	7550 (16,250)	5450 (11,700)	4450 (9,550)	2850 (6,100)				

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.) general-purpose bucket, 2350-kg (5,181 lb.) 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).

HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION										
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.)	
	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, blade on ground</i>										
4.5 m (15 ft.)					3250 (7,050)	3250 (7,050)	3000 (6,000)	2250 (4,800)		
3.0 m (10 ft.)			5550 (11,900)	5550 (11,900)	4050 (8,750)	3500 (7,550)	3450 (7,500)	2150 (4,650)		
1.5 m (5 ft.)			7750 (17,700)	6150 (13,250)	5000 (10,850)	3300 (7,050)	3850 (8,300)	2100 (4,450)		
Ground Line			6150 (14,350)	5850 (12,550)	5700 (12,300)	3100 (6,700)	4150 (8,950)	2000 (4,300)		
-1.5 m (-5 ft.)	4300 (9,700)	4300 (9,700)	8850 (19,150)	5800 (12,500)	5750 (12,450)	3050 (6,550)	4050 (8,750)	1950 (4,250)		
-3.0 m (-10 ft.)	8200 (18,550)	8200 (18,550)	7550 (16,250)	5900 (12,700)	5000 (10,750)	3100 (6,650)				
<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)	2100 (4,450)		
3.0 m (10 ft.)			5550 (11,900)	5550 (11,900)	4050 (8,750)	3300 (7,100)	3050 (6,550)	2000 (4,350)		
1.5 m (5 ft.)			7750 (17,700)	5750 (12,400)	4700 (10,150)	3050 (6,600)	2950 (6,350)	1950 (4,150)		
Ground Line			6150 (14,350)	5450 (11,750)	4550 (9,750)	2900 (6,250)	2850 (6,150)	1850 (4,000)		
-1.5 m (-5 ft.)	4300 (9,700)	4300 (9,700)	8850 (19,150)	5450 (11,650)	4450 (9,600)	2850 (6,100)	2850 (6,100)	1850 (3,950)		
-3.0 m (-10 ft.)	8200 (18,550)	8200 (18,550)	7550 (16,250)	5550 (11,900)	4500 (9,700)	2850 (6,200)				
<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)	2250 (4,850)		
3.0 m (10 ft.)			5550 (11,900)	5550 (11,900)	4050 (8,750)	3550 (7,650)	3450 (7,500)	2200 (4,750)		
1.5 m (5 ft.)			7750 (17,700)	6250 (13,400)	5000 (10,850)	3350 (7,150)	3850 (8,300)	2100 (4,550)		
Ground Line			6150 (14,350)	5950 (12,750)	5700 (12,300)	3150 (6,800)	4150 (8,950)	2050 (4,350)		
-1.5 m (-5 ft.)	4300 (9,700)	4300 (9,700)	8850 (19,150)	5900 (12,650)	5750 (12,450)	3100 (6,650)	4050 (8,750)	2000 (4,300)		
-3.0 m (-10 ft.)	8200 (18,550)	8200 (18,550)	7550 (16,250)	6000 (12,850)	5000 (10,750)	3150 (6,750)				
<i>With 2.52-m (8 ft. 3 in.) arm and 500-mm (20 in.) rubber track, without blade</i>										
4.5 m (15 ft.)					3250 (7,050)	3250 (7,050)	3000 (6,000)	2100 (4,250)		
3.0 m (10 ft.)			5550 (11,900)	5550 (11,900)	4050 (8,750)	3300 (6,800)	3050 (6,550)	2050 (4,150)		
1.5 m (5 ft.)			7750 (17,700)	5750 (11,900)	4750 (10,150)	3050 (6,300)	2950 (6,350)	1950 (3,950)		
Ground Line			6150 (14,350)	5500 (11,200)	4550 (9,750)	2900 (5,950)	2850 (6,150)	1850 (3,750)		
-1.5 m (-5 ft.)	4300 (9,700)	4300 (9,650)	8850 (19,150)	5450 (11,150)	4450 (9,600)	2850 (5,800)	2850 (6,100)	1850 (3,700)		
-3.0 m (-10 ft.)	8200 (18,550)	8200 (18,550)	7550 (16,250)	5550 (11,350)	4500 (9,700)	2900 (5,900)				
<i>With 2.52-m (8 ft. 3 in.) arm and 500-mm (20 in.) rubber track, blade on ground</i>										
4.5 m (15 ft.)					3250 (7,050)	3250 (7,050)	3000 (6,000)	2250 (4,850)		
3.0 m (10 ft.)			5550 (11,900)	5550 (11,900)	4050 (8,750)	3550 (7,650)	3450 (7,500)	2200 (4,750)		
1.5 m (5 ft.)			7750 (17,700)	6250 (13,400)	5000 (10,850)	3350 (7,150)	3850 (8,300)	2100 (4,550)		
Ground Line			6150 (14,350)	5950 (12,750)	5700 (12,300)	3150 (6,800)	4150 (8,950)	2050 (4,400)		
-1.5 m (-5 ft.)	4300 (9,700)	4300 (9,700)	8850 (19,150)	5900 (12,700)	5750 (12,450)	3100 (6,650)	4050 (8,750)	2000 (4,350)		
-3.0 m (-10 ft.)	8200 (18,550)	8200 (18,550)	7550 (16,250)	6000 (12,900)	5000 (10,750)	3150 (6,750)				

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.) general-purpose bucket, 2350-kg (5,181 lb.) 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).

HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION											
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.)		
	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)	2100 (4,450)			
3.0 m (10 ft.)			4550 (9,600)	4550 (9,600)	3550 (7,750)	3300 (7,100)	3000 (6,500)	2000 (4,300)			
1.5 m (5 ft.)			7400 (15,850)	5800 (12,550)	4650 (10,000)	3050 (6,550)	2900 (6,250)	1900 (4,050)	1900	1250	
Ground Line			6750 (15,750)	5400 (11,550)	4450 (9,600)	2850 (6,100)	2800 (6,000)	1800 (3,850)			
-1.5 m (-5 ft.)	3750 (8,450)	3750 (8,450)	8550 (19,250)	5250 (11,300)	4350 (9,350)	2750 (5,900)	2750 (5,900)	1750 (3,750)			
-3.0 m (-10 ft.)	6800 (15,400)	6800 (15,400)	8100 (17,450)	5300 (11,450)	4350 (9,350)	2750 (5,900)	2750 (5,900)	1800 (3,750)			
-4.5 m (-15 ft.)			5750 (12,150)	5550 (11,900)	3400	2900					
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)	2250 (4,850)			
3.0 m (10 ft.)			4550 (9,600)	4550 (9,600)	3550 (7,750)	3550 (7,650)	3100 (6,800)	2200 (4,700)			
1.5 m (5 ft.)			7400 (15,850)	6300 (13,550)	4650 (10,000)	3300 (7,100)	3600 (7,800)	2100 (4,450)	1900	1400	
Ground Line			6750 (15,750)	5850 (12,550)	5450 (11,850)	3100 (6,700)	4000 (8,650)	2000 (4,250)			
-1.5 m (-5 ft.)	3750 (8,450)	3750 (8,450)	8550 (19,550)	5750 (12,300)	5750 (12,400)	3000 (6,450)	4100 (8,850)	1950 (4,150)			
-3.0 m (-10 ft.)	6800 (15,400)	6800 (15,400)	8100 (17,450)	5800 (12,400)	5300 (11,400)	3000 (6,500)	3500 (6,500)	1950 (4,150)			
-4.5 m (-15 ft.)			5750 (12,150)	5750 (12,150)	3400	3150					
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)	2100 (4,550)			
3.0 m (10 ft.)			4550 (9,600)	4550 (9,600)	3550 (7,750)	3350 (7,200)	2950 (6,600)	2050 (4,350)			
1.5 m (5 ft.)			7400 (15,850)	5900 (12,700)	4650 (10,000)	3100 (6,650)	2800 (6,350)	1950 (4,150)	1900	1300	
Ground Line			6750 (15,750)	5450 (11,750)	4550 (9,750)	2900 (6,200)	2700 (6,100)	1850 (3,950)			
-1.5 m (-5 ft.)	3750 (8,450)	3750 (8,450)	8550 (19,550)	5350 (11,500)	4400 (9,500)	2800 (6,000)	2650 (6,000)	1800 (3,850)			
-3.0 m (-10 ft.)	6800 (15,400)	6800 (15,400)	8100 (17,450)	5400 (11,600)	4450 (9,500)	2800 (6,000)	2700 (6,000)	1800 (3,850)			
-4.5 m (-15 ft.)			5750 (12,150)	5600 (12,100)	3400	2950					
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)	2300 (4,900)			
3.0 m (10 ft.)			4550 (9,600)	4550 (9,600)	3550 (7,750)	3550 (7,750)	3100 (6,800)	2200 (4,750)			
1.5 m (5 ft.)			7400 (15,850)	6350 (13,700)	4650 (10,000)	3350 (7,200)	3600 (7,800)	2100 (4,550)	1900	1400	
Ground Line			6750 (15,750)	5900 (12,750)	5450 (11,850)	3150 (6,750)	4000 (8,650)	2000 (4,300)			
-1.5 m (-5 ft.)	3750 (8,450)	3750 (8,450)	8550 (19,550)	5800 (12,500)	5750 (12,400)	3050 (6,550)	4100 (8,850)	1950 (4,200)			
-3.0 m (-10 ft.)	6800 (15,400)	6800 (15,400)	8100 (17,450)	5850 (12,600)	5300 (11,400)	3050 (6,600)	3500 (6,600)	2000 (4,200)			
-4.5 m (-15 ft.)			5750 (12,150)	5750 (12,150)	3400	3200					

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.) general-purpose bucket, 2350-kg (5,181 lb.) 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).

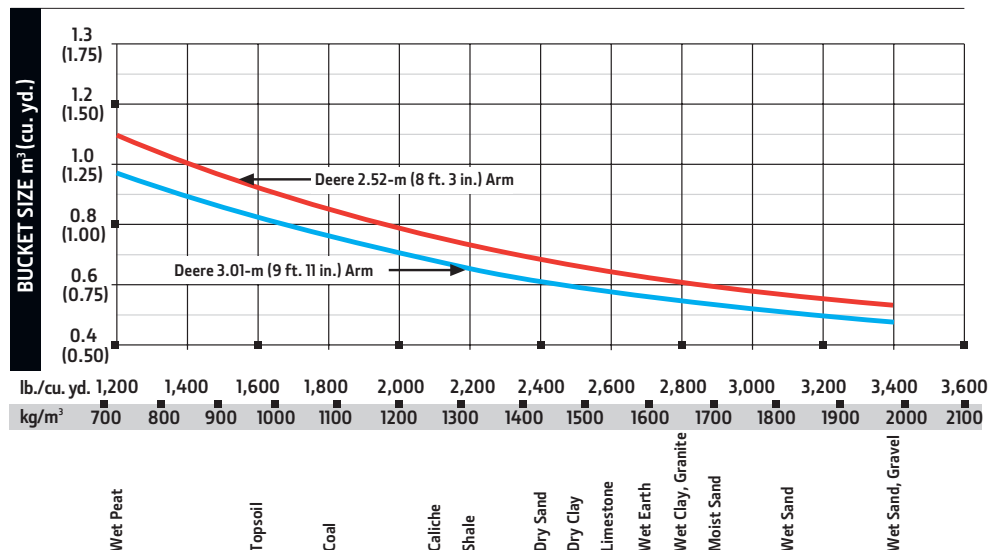
HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION										
LOAD POINT HEIGHT	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
<i>With 3.01-m (9 ft. 11 in.) arm and 500-mm (20 in.) rubber track, without blade</i>										
4.5 m (15 ft.)					2750 (6,000)	2750 (6,000)	2800 (6,200)	2100 (4,550)		
3.0 m (10 ft.)			4550 (9,600)	4550 (9,600)	3550 (7,750)	3350 (7,200)	3050 (6,600)	2050 (4,400)		
1.5 m (5 ft.)			7400 (15,850)	5900 (12,750)	4650 (10,000)	3100 (6,650)	2950 (6,350)	1950 (4,150)	1900	1300
Ground Line			6750 (15,750)	5450 (11,750)	4550 (9,750)	2900 (6,200)	2850 (6,150)	1850 (3,950)		
-1.5 m (-5 ft.)	3750 (8,450)	3750 (8,450)	8550 (19,550)	5350 (11,500)	4450 (9,500)	2800 (6,000)	2800 (6,000)	1800 (3,850)		
-3.0 m (-10 ft.)	6800 (15,400)	6800 (15,400)	8100 (17,450)	5400 (11,600)	4450 (9,550)	2800 (6,050)	2850	1800		
-4.5 m (-15 ft.)			5750 (12,150)	5600 (12,100)	3400	2950				
<i>With 3.01-m (9 ft. 11 in.) arm and 500-mm (20 in.) rubber track, blade on ground</i>										
4.5 m (15 ft.)					2750 (6,000)	2750 (6,000)	2800 (6,200)	2300 (4,950)		
3.0 m (10 ft.)			4550 (9,600)	4550 (9,600)	3550 (7,750)	3550 (7,750)	3100 (6,800)	2200 (4,750)		
1.5 m (5 ft.)			7400 (15,850)	6350 (13,700)	4650 (10,000)	3350 (7,250)	3600 (7,800)	2100 (4,550)	1900	1400
Ground Line			6750 (15,750)	5950 (12,750)	5450 (11,850)	3150 (6,800)	4000 (8,650)	2000 (4,350)		
-1.5 m (-5 ft.)	3750 (8,450)	3750 (8,450)	8550 (19,550)	5800 (12,500)	5750 (12,400)	3050 (6,550)	4100 (8,850)	1950 (4,200)		
-3.0 m (-10 ft.)	6800 (15,400)	6800 (15,400)	8100 (17,450)	5850 (12,600)	5300 (11,400)	3050 (6,600)	3500	2000		
-4.5 m (-15 ft.)			5750 (12,150)	5750 (12,150)	3400	3200				

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 TK-Series Bucket 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	84.5	19,005	64.4	14,467	58.0	13,043	1328	52.27	4
	760	30	0.50	0.65	522	1,150	84.5	19,005	64.4	14,467	58.0	13,043	1328	52.27	4
	915	36	0.62	0.81	589	1,297	84.5	19,005	64.4	14,467	58.0	13,043	1328	52.27	5
	1067	42	0.76	0.99	631	1,390	84.5	19,005	64.4	14,467	58.0	13,043	1328	52.27	5
Ditching	1500	60	0.63	0.83	457	1,007	121.9	27,404	72.0	16,177	64.0	14,395	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.

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
● Fuel shutoff valve
● Full-flow oil filter
● Turbocharger with charge air cooler
● Electronically controlled, variable-rate, suction type
● 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
▲ 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
● Control pattern-change valve
▲ Auxiliary hydraulic lines
▲ Auxiliary pilot and electric controls
▲ Hydraulic filter restriction indicator kit
▲ Load-lowering control device
▲ Single-pedal propel control
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 and left-hand 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): Diesel Exhaust Fluid (DEF) / Engine coolant / Fuel
● Horn, electric
● Hour meter, electric
● Hydraulic shutoff lever, all controls
● Hydraulic warm-up control
● Interior light
● Large cup holder
● Machine Information Center (MIC)

130G Operator's Station (continued)
● 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, low DEF indication with audible alarm, 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, 76 mm (3 in.), non-retractable
● Tinted glass
● Transparent tinted overhead hatch
● Hot/cold beverage compartment
● USB charging port
▲ Air-suspension heated seat
▲ Premium thermally heated and actively cooled leather 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 / 1 mounted on boom / 1 mounted on frame
▲ 2 lights mounted on cab / 1 mounted on right side of boom
▲ LED light kit: 2 lights mounted on cab front / 1 mounted on cab rear / 1 mounted on boom / 1 mounted in toolbox



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; 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; 2350-kg (5,181 lb.) counterweight; full fuel tank; and 79-kg (175 lb.) operator.

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