75G/85G EXCAVATORS

42.4 kW (56.9 hp)

JOHN DEERE

Fit in more productivity.

Neither too big nor too small, these right-size excavators are the perfect solution for a wide variety of tasks. Their reduced-tail-swing configurations provide extra flexibility, enabling them to maneuver nimbly and work efficiently in and around congested conditions. What's more, the 85G comes equipped with the extra advantage of an independent-swing boom that lets it work even closer to curbs, parallel to structures, or in the midst of traffic. Inside their spacious, comfortable cabs, easy-to-navigate enhanced LCD monitors let operators easily dial-in a wealth of machine info and functionality. Of course, these two meet EPA Final Tier 4 (FT4)/EU Stage IV regulations, so they're a perfect fit for your equipment fleet for years to come.

Key specifications	75G	85G
Net rated power	42.4 kW (56.9 hp)	42.4 kW (56.9 hp)
Operating weight	8143 kg (17,952 lb.)	8729 kg (19,244 lb.)
Maximum digging depth	4.61 m (15 ft. 1 in.)	4.51 m (14 ft. 10 in.)
Arm digging force	30.7 kN (6,902 lb.)	30.7 kN (6,902 lb.)
Bucket digging force	46.6 kN (10,476 lb.)	46.6 kN (10,476 lb.)

The EPA FT4/EU Stage IV technology in these 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.

Large entryways and virtually unrestricted sightlines combine with spacious operator stations to provide all the comfort, convenience, and visibility an operator could want.

Undercarriage options include rubber tracks, or sealed and lubricated chain with rubber pads or steel semi-grousers from 450–600-mm (18 to 24 in.) wide. These, plus numerous arm and bucket options, let you spec the right excavator for the way you work.

Engine performance and hydraulic flow are perfectly balanced for predictable operation. Two productivity modes allow you to choose the digging style that fits the job. **Power** delivers a balance of speed and fuel economy for normal operation. **Economy** reduces top speed and helps save fuel.

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

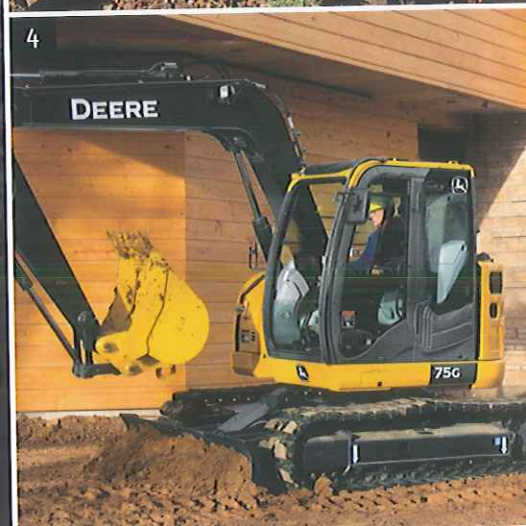
Choose from a variety of track widths, arm lengths, buckets, and other options to maximize your efforts.

Two-speed propel with Autoshift helps speed machine moves and maximize maneuverability.

These two transport easily between jobsites, making them perfect for "dig-and-go" jobs.

Remove obstacles without moving them.

Empowered with the same no-compromise load-sensing open-center hydraulic system as our other excavators, the 75G and 85G's pinpoint metering delivers unsurpassed smooth-as-silk control. Together with their reduced-tail-swing configurations, they deliver the finesse and footwork to keep jobsite obstacles from becoming barriers. Two power modes, plus an available control-pattern selector, easily adapt to changing job demands and operator preferences. Plus, their highly fuel-efficient direct-injected diesels meet rigid EPA Final Tier 4/EU Stage IV emission standards and are noticeably quiet, so you can put them to work almost anywhere, any time.



1. For work that requires extra finesse, the G-Series' short-throw low-effort controls, unmatched metering, and smooth multi-function operation give the precision you need.

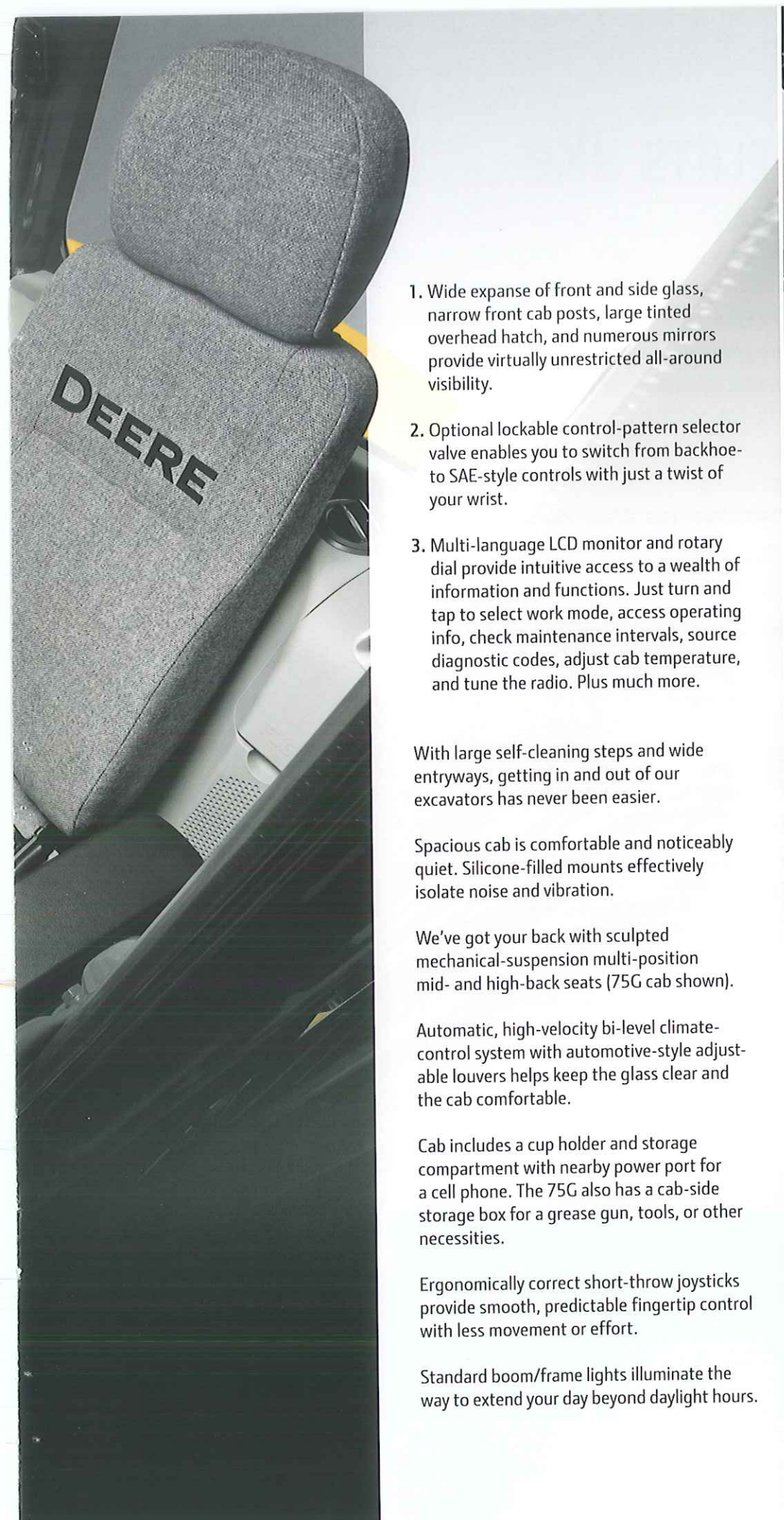
2. Optional rubber track pads or heavy-duty rubber belts let these excavators set up and work on paved surfaces and even cross curbs without doing damage.

3. Why let obstacles dictate the way you work? The 85G's 360-deg. rotation and independent-swing boom let you get in tight and even dig parallel to structures.

4. Although it won't replace a grading tractor, the standard blade enables these excavators to fill-in quite capably. Works well for increasing agility and stability on slopes, too.

Put more productivity on speed dial.

Now it's easier than ever for operators to "dial things up." The G-Series' refined monitor employs a rotary control that makes it quick and easy to tap into an abundance of performance and convenience functions and features. Operators will also appreciate the comfortable fabric-covered adjustable suspension seat and ample 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 your operators need to do their best work. And keep them comfortably on-task and ahead of schedule.



1. Wide expanse of front and side glass, narrow front cab posts, large tinted overhead hatch, and numerous mirrors provide virtually unrestricted all-around visibility.

2. Optional lockable control-pattern selector valve enables you to switch from backhoe- to SAE-style controls with just a twist of your wrist.

3. 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.

With large self-cleaning steps and wide entryways, getting in and out of our excavators has never been easier.

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

We've got your back with sculpted mechanical-suspension multi-position mid- and high-back seats (75G cab shown).

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

Cab includes a cup holder and storage compartment with nearby power port for a cell phone. The 75G also has a cab-side storage box for a grease gun, tools, or other necessities.

Ergonomically correct short-throw joysticks provide smooth, predictable fingertip control with less movement or effort.

Standard boom/frame lights illuminate the way to extend your day beyond daylight hours.

Nothing runs like this Deere.

Just like you, our 75G and 85G Excavators won't quit. These dependable workers deliver unsurpassed reliability, with job-proven digging structures and hydraulic, electrical, and undercarriage components. Their highly efficient cooling systems keep things running cool, even in high altitudes or tough environments. Other durability-enhancing "extras" include tungsten-carbide-coated wear surfaces and oil-impregnated bushings. When you know how they're built, you'll run a Deere.

A John Deere exclusive, three welded bulkheads within the boom resist torsional stress for unsurpassed durability.

Rigid, reinforced D-channel side frames resist impacts, providing maximum cab and component protection.

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.

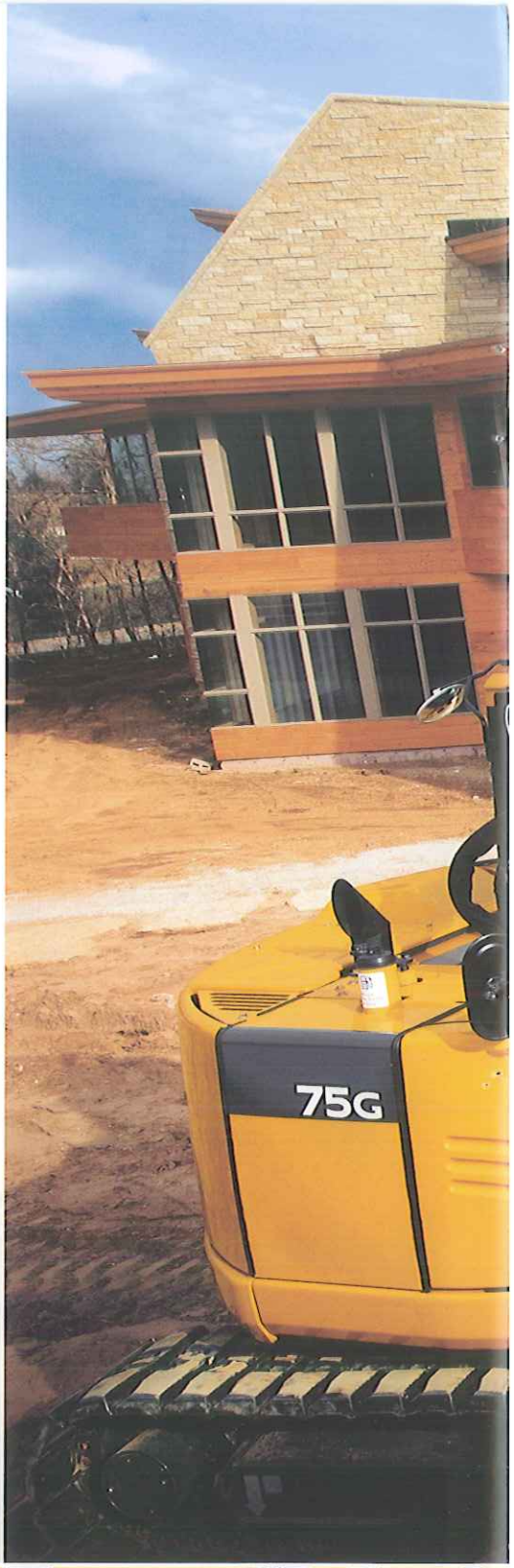
Durable shields deflect material and impacts, protecting the blade cylinder and propel motors.

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

Viscous fan continuously adjusts speed as necessary for effective cooling. Helps reduce noise and fuel consumption, too.

To help prevent accidental machine movement, a spring-applied, hydraulically released park brake automatically engages when a control lever is released.

Wet-disc swing brake delivers long-term maintenance-free performance.



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1. Box-section track frames, thick-plate single-sheet mainframe, and large swing bearing deliver rock-solid durability.

2. Wear-resistant hoses are routed, secured, and guarded for long-term durability. Cordura® covering and wire wrapping adds an extra degree of protection to exposed hoses. O-ring face-seal couplers virtually eliminate leaks.

3. Large idlers, rollers, and strutted links in the sealed and lubricated undercarriage deliver long and reliable performance. Optional heavy-duty rubber track pads provide the long-term durability of a steel undercarriage, yet are easy on hard surfaces such as asphalt or concrete.

Operating costs are reduced, too.

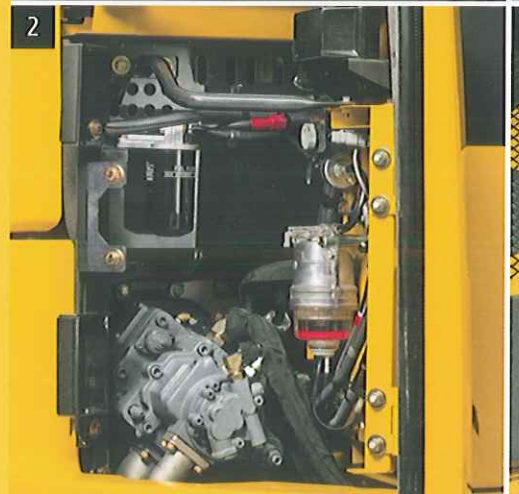
It's likely that it was the G-Series' compact stature that caught your eye. But it's their reduced daily operating costs that'll really turn your head. Daily and periodic maintenance are quick, easy, and convenient, with large, easy-open doors providing wide-open access to grouped service points. Extended hydraulic and engine oil-change intervals reduce downtime and expense. Plus the easy-to-read LCD monitor lets you track fluid-maintenance intervals to help manage uptime.

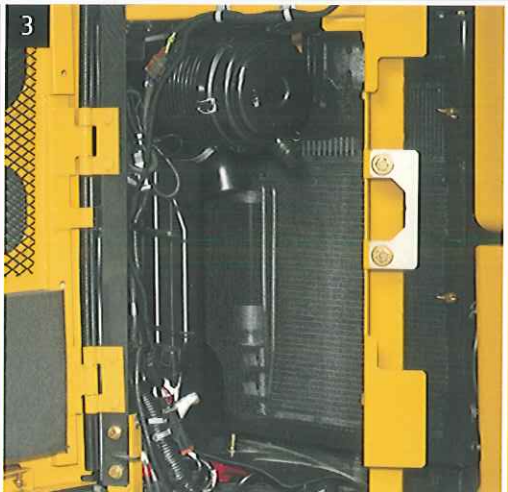
1. LCD monitor tracks scheduled maintenance intervals and issues reminders. Should a problem arise, it provides diagnostic information to assist in troubleshooting and decrease downtime.

2. Vertical spin-on fuel filter and water separator are conveniently located in the right rear compartment for quick and convenient ground-level service access.

3. Left rear compartment houses the battery, engine air filter, fresh-air cab filter, and side-by-side coolers.

4. Sight gauges and see-through reservoirs allow hydraulic, coolant, and window-washer fluid-level checks at a glance.





Large hinged doors provide wide-open access to service items. Lube banks, filters, and checkpoints are grouped for added convenience.

The EPA FT4/EU Stage IV technology in our excavators 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. DPF cleaning happens automatically without impacting machine productivity. Minimum service interval is 3,000 hours and can be done by your John Deere dealer.

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

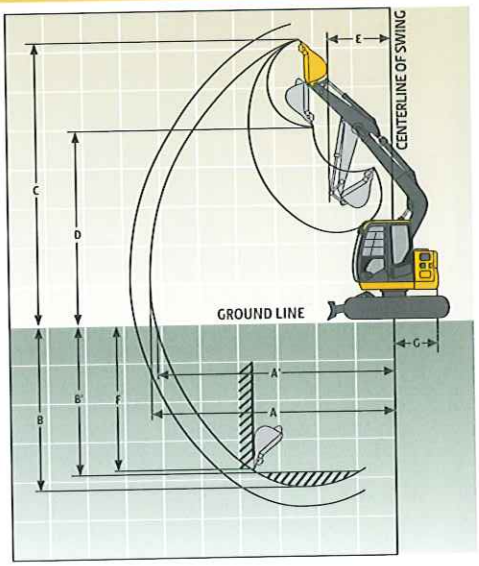
75G

Engine	75G		
Manufacturer and Model	Yanmar 4TNV98C		
Non-Road Emission Standard	EPA Final Tier 4/EU Stage IV		
Net Power (ISO 9249)	42.4 kW (56.9 hp) at 2,000 rpm		
Cylinders	4		
Displacement	3.3 L (202 cu. in.)		
Aspiration	Natural		
Off-Level Capacity	70% (35 deg.)		
Cooling			
Variable-speed fan; viscous clutch			
Powertrain			
2-speed propel with automatic shift			
Maximum Travel Speed			
Low	3.1 km/h (1.9 mph)		
High	5.0 km/h (3.1 mph)		
Drawbar Pull	6650 kgf (14,661 lb.)		
Hydraulics			
Open center, load sensing			
Main Pumps	3 variable-displacement axial-piston pumps		
Maximum Pump Flow	2 x 72 + 56 L/m (2 x 19 + 15 gpm)		
Pilot Pump	1 gear		
Maximum Rated Flow	20 L/m (5.3 gpm)		
System Relief Pressure	3900 kPa (566 psi)		
System Operating Pressure			
Implement Circuits	26 000 kPa (3,771 psi)		
Travel Circuits	31 400 kPa (4,554 psi)		
Swing Circuits	25 200 kPa (3,655 psi)		
Controls	Pilot levers, short stroke, low effort; hydraulic pilot controls with shutoff lever		
Cylinders			
Heat-treated, chrome-plated, polished cylinder rods; hardened steel (replaceable bushings) pivot pins			
	Bore	*Rod Diameter*	*Stroke*
Boom (1)	115 mm (4.5 in.)	65 mm (2.6 in.)	885 mm (34.8 in.)
Arm (1)	95 mm (3.7 in.)	60 mm (2.4 in.)	900 mm (35.4 in.)
Bucket (1)	85 mm (3.3 in.)	55 mm (2.2 in.)	730 mm (28.7 in.)
Electrical			
Batteries	2 x 12 volt		
Battery Capacity	2 x 450 CCA		
Alternator Rating	50 amp		
Work Lights	2 halogen: 1 mounted on boom and 1 mounted on frame		
Undercarriage			
Rollers (each side)			
Carrier	1		
Track	5		
Shoes (each side)	40		
Track			
Adjustment	Hydraulic		
Chain	Sealed and lubricated		
Swing Mechanism			
Swing Speed	10.5 rpm		
Swing Torque	16 600 Nm (12,244 lb.-ft.)		

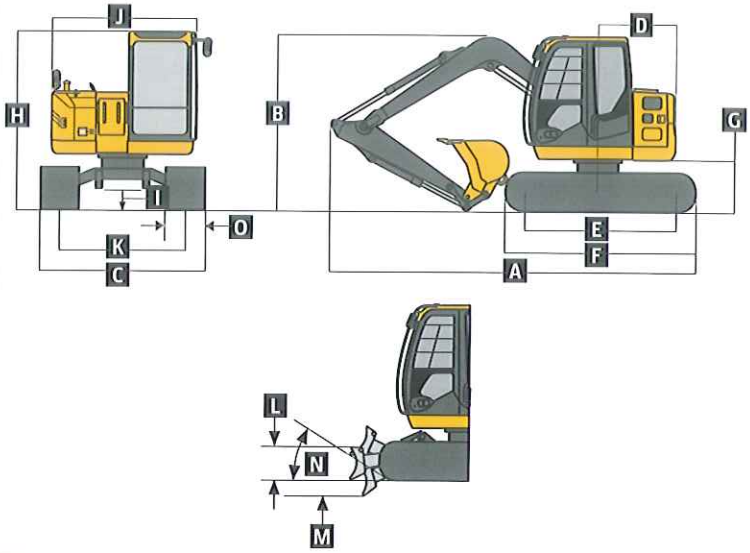
Ground Pressure	75G
450-mm (18 in.) Rubber Crawler Pads	39 kPa (5.6 psi)
450-mm (18 in.) Continuous Rubber Belt	39 kPa (5.6 psi)
450-mm (18 in.) Triple Semi-Grouser Shoes	38 kPa (5.4 psi)
600-mm (24 in.) Triple Semi-Grouser Shoes	27 kPa (3.9 psi)
Serviceability	
Refill Capacities	
Fuel Tank	135 L (35.7 gal.)
Cooling System	9.7 L (2.6 gal.)
Engine Oil with Filter	12.3 L (3.2 gal.)
Hydraulic Tank	56 L (15 gal.)
Hydraulic System	103 L (27 gal.)
Propel Gearbox (each)	1.2 L (1.3 qt.)
Operating Weights	
With 0.31-m^3 (0.41 cu. yd.), 762-mm (30 in.), 313-kg (691 lb.) Bucket; 2.12-m (6 ft. 11 in.) Arm; 1305-kg (2,877 lb.) Counterweight; 2470-mm (8 ft. 1 in.) Blade; Full Fuel Tank; and 75-kg (165 lb.) Operator	
450-mm (18 in.) Rubber Crawler Pads	8143 kg (17,952 lb.)
450-mm (18 in.) Triple Semi-Grouser Shoes	7882 kg (17,377 lb.)
600-mm (24 in.) Triple Semi-Grouser Shoes	8265 kg (18,221 lb.)
450-mm (18 in.) Continuous Rubber Belt	7898 kg (17,412 lb.)
Optional Components	
Undercarriage (with the following)	
450-mm (18 in.) Rubber Crawler Pads	2903 kg (6,400 lb.)
450-mm (18 in.) Continuous Rubber Belt	2867 kg (6,321 lb.)
450-mm (18 in.) Triple Semi-Grouser Shoes	2851 kg (6,285 lb.)
600-mm (24 in.) Triple Semi-Grouser Shoes	3025 kg (6,669 lb.)
1-Piece Boom (with arm cylinder)	497 kg (1,096 lb.)
Arm with Bucket Cylinder and Linkage	
1.62 m (5 ft. 4 in.)	238 kg (525 lb.)
2.12 m (6 ft. 11 in.)	276 kg (608 lb.)
Boom Lift Cylinders (2), Total Weight	178 kg (392 lb.)
Counterweight, Standard	1305 kg (2,877 lb.)

Operating Dimensions

	Arm Length 1.62 m (5 ft. 4 in.)	*Arm Length 2.12 m (6 ft. 11 in.)*
Arm Digging Force (ISO)	35.5 kN (7,981 lb.)	30.7 kN (6,902 lb.)
Bucket Digging Force (ISO)	46.6 kN (10,476 lb.)	46.6 kN (10,476 lb.)
A Maximum Reach	6.43 m (21 ft. 1 in.)	6.92 m (22 ft. 8 in.)
A' Maximum Reach at Ground Level	6.26 m (20 ft. 6 in.)	6.76 m (22 ft. 2 in.)
B Maximum Digging Depth	4.11 m (13 ft. 6 in.)	4.61 m (15 ft. 1 in.)
B' Maximum Digging Depth at 2.44-m (8 ft.) Flat Bottom	3.75 m (12 ft. 4 in.)	4.32 m (14 ft. 2 in.)
C Maximum Cutting Height	7.21 m (23 ft. 8 in.)	7.61 m (25 ft. 0 in.)
D Maximum Dumping Height	5.12 m (16 ft. 10 in.)	5.51 m (18 ft. 1 in.)
E Minimum Swing Radius	1.81 m (5 ft. 11 in.)	2.17 m (7 ft. 1 in.)
F Maximum Vertical Wall	3.67 m (12 ft. 0 in.)	4.22 m (13 ft. 10 in.)
G Tail Swing Radius	1.29 m (4 ft. 3 in.)	1.29 m (4 ft. 3 in.)



Machine Dimensions	75G	
	Arm Length	*Arm Length*
	1.62 m (5 ft. 4 in.)	*2.12 m (6 ft. 11 in.)*
A Overall Length	6.30 m (20 ft. 8 in.)	6.37 m (20 ft. 11 in.)
B Overall Height	2.69 m (8 ft. 10 in.)	2.69 m (8 ft. 10 in.)
C Undercarriage Width		
With 450-mm (18 in.) Shoes	2.32 m (7 ft. 7 in.)	
With 600-mm (24 in.) Shoes	2.47 m (8 ft. 1 in.)	
D Rear-End Length/Swing Radius	1.29 m (4 ft. 3 in.)	
E Distance Between Idler/Sprocket Centerline	2.29 m (7 ft. 6 in.)	
F Undercarriage Length	2.92 m (9 ft. 7 in.)	
G Counterweight Clearance	0.73 m (29 in.)	
H Cab Height	2.69 m (8 ft. 10 in.)	
I Ground Clearance	360 mm (14 in.)	
J Upperstructure Width	2.32 m (7 ft. 7 in.)	
K Gauge Width	1.87 m (6 ft. 2 in.)	
L Blade Lift Height	360 mm (14 in.)	
Blade Height	480 mm (19 in.)	
Blade Width		
With 450-mm (18 in.) Shoes	2320 mm (7 ft. 9 in.)	
With 600-mm (24 in.) Shoes	2470 mm (8 ft. 1 in.)	
M Blade Cut Below Grade	300 mm (12 in.)	
N Blade Lift Angle	27 deg.	
O Track Width		
With 450-mm (18 in.) Shoes	0.45 m (18 in.)	
With 600-mm (24 in.) Shoes	0.60 m (24 in.)	



Lift Capacities

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

Load Point Height	**1.5 m (5 ft.)**		**3.0 m (10 ft.)**		**4.5 m (15 ft.)**		**6.0 m (20 ft.)**	
Horizontal Distance from Centerline of Rotation	**Over Front**	**Over Side**	**Over Front**	**Over Side**	**Over Front**	**Over Side**	**Over Front**	**Over Side**
With 3.72-m (12 ft. 8 in.) boom, 1.62-m (5 ft. 4 in.) arm, 0.28-m³ (0.37 cu. yd.) bucket, 450-mm (18 in.) rubber pads, and 2320-mm (7 ft. 9 in.) blade								
4.5 m (15 ft.)			**1616 (3,562)**	**1616 (3,562)**				
3.0 m (10 ft.)			**2223 (4,901)**	**2223 (4,901)**	**1829 (4,032)**	1605 (3,539)		
1.5 m (5 ft.)			**3192 (7,038)**	2752 (6,067)	**2121 (4,675)**	1538 (3,390)		
Ground Line			**3615 (7,969)**	2635 (5,810)	**2327 (5,131)**	1486 (3,275)		
–1.5 m (–5 ft.)	**4476 (9,867)**	**4476 (9,867)**	**3402 (7,500)**	2634 (5,807)				
With 3.72-m (12 ft. 8 in.) boom, 2.12-m (6 ft. 11 in.) arm, 0.28-m³ (0.37 cu. yd.) bucket, 450-mm (18 in.) rubber pads, and 2320-mm (7 ft. 9 in.) blade								
4.5 m (15 ft.)					**1475 (3,252)**	**1475 (3,252)**		
3.0 m (10 ft.)			**1834 (4,043)**	**1834 (4,043)**	**1613 (3,557)**	**1613 (3,557)**		
1.5 m (5 ft.)			**2864 (6,313)**	2797 (6,167)	**1958 (4,317)**	1541 (3,397)		
Ground Line			**3508 (7,734)**	2629 (5,797)	**2248 (4,956)**	1472 (3,246)		
–1.5 m (–5 ft.)	**3544 (7,813)**	**3544 (7,813)**	**3514 (7,746)**	2594 (5,718)	**2252 (4,964)**	1451 (3,199)		
–3.0 m (–10 ft.)	**5020 (11,068)**	**5020 (11,068)**	**2742 (6,044)**	2663 (5,870)				
With 3.72-m (12 ft. 8 in.) boom, 1.62-m (5 ft. 4 in.) arm, 0.28-m³ (0.37 cu. yd.) bucket, 600-mm (24 in.) shoes, and 2470-mm (8 ft. 1 in.) blade								
4.5 m (15 ft.)			**1616 (3,562)**	**1616 (3,562)**				
3.0 m (10 ft.)			**2223 (4,901)**	**2223 (4,901)**	**1829 (4,032)**	1630 (3,594)		
1.5 m (5 ft.)			**3192 (7,038)**	2796 (6,164)	**2121 (4,675)**	1563 (3,446)		
Ground Line			**3615 (7,969)**	2679 (5,906)	**2327 (5,131)**	1510 (3,330)		
–1.5 m (–5 ft.)	**4476 (9,867)**	**4476 (9,867)**	**3402 (7,500)**	2678 (5,903)				

Lift Capacities *(continued)* 75G

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

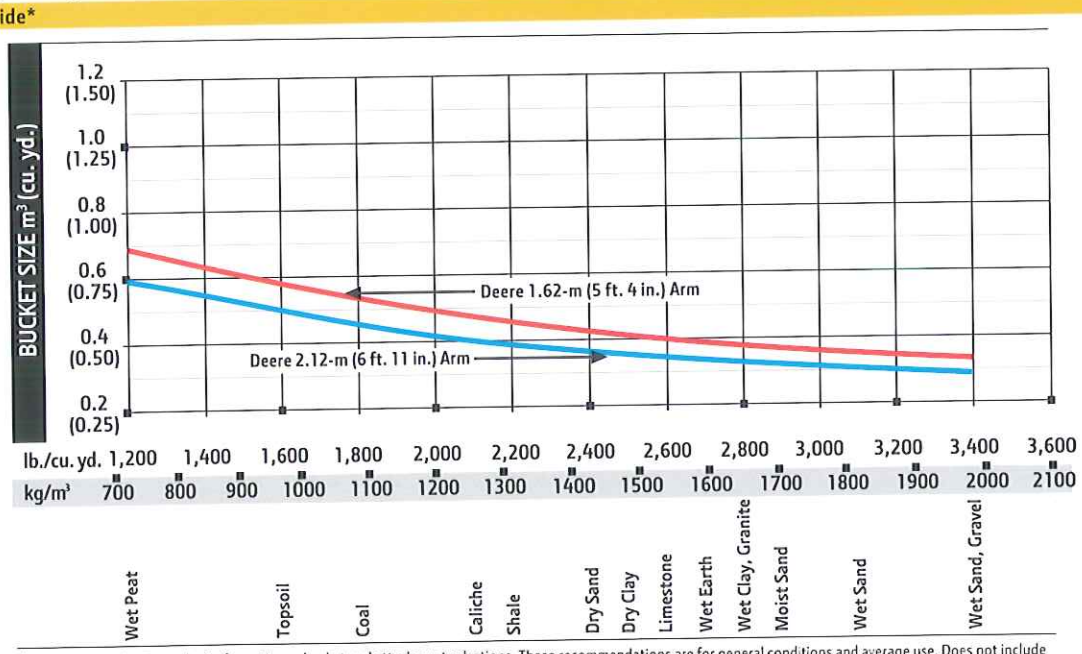
Load Point Height	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)	
Horizontal Distance from Centerline of Rotation	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 3.72-m (12 ft. 8 in.) boom, 2.12-m (6 ft. 11 in.) arm, 0.28-m³ (0.37 cu. yd.) bucket, 600-mm (24 in.) shoes, and 2470-mm (8 ft. 1 in.) blade								
4.5 m (15 ft.)					**1475 (3,252)**	1475 (3,252)		
3.0 m (10 ft.)			**1834 (4,043)**	**1834 (4,043)**	**1613 (3,557)**	**1613 (3,557)**		
1.5 m (5 ft.)			**2864 (6,313)**	2841 (6,263)	**1958 (4,317)**	1566 (3,452)		
Ground Line			**3508 (7,734)**	2673 (5,893)	**2248 (4,956)**	1497 (3,301)		
–1.5 m (–5 ft.)	**3544 (7,813)**	**3544 (7,813)**	**3514 (7,746)**	2637 (5,814)	**2252 (4,964)**	1476 (3,254)		
–3.0 m (–10 ft.)	**5020 (11,068)**	**5020 (11,068)**	**2742 (6,044)**	2707 (5,967)				
With 3.72-m (12 ft. 8 in.) boom, 1.62-m (5 ft. 4 in.) arm, 0.28-m³ (0.37 cu. yd.) bucket, 450-mm (18 in.) continuous rubber belt, and 2470-mm (8 ft. 1 in.) blade								
3.0 m (10 ft.)			**2241 (4,940)**	**2241 (4,940)**				
1.5 m (5 ft.)			**3207 (7,070)**	2608 (5,750)				
Ground Line			**3620 (7,980)**	2499 (5,510)	**2327 (5,130)**	1415 (3,120)		
–1.5 m (–5 ft.)	**4527 (9,980)**	**4527 (9,980)**	**3393 (7,480)**	2499 (5,510)				

Buckets

A full line of buckets is offered to meet a wide variety of applications. Replaceable cutting edges are available through John Deere Parts. Optional side cutters add 150 mm (6 in.) to bucket widths.

Type Bucket	Bucket Width		Bucket Capacity		Bucket Weight		Bucket Dig Force (ISO)		Arm Dig Force (ISO) 1.62 m (5 ft. 4 in.)		Arm Dig Force (ISO) 2.12 m (6 ft. 11 in.)		Bucket Tip Radius		Number of Teeth
	mm	in.	m³	cu. yd.	kg	lb.	kN	lb.	kN	lb.	kN	lb.	mm	in.	
Heavy Duty	610	24	0.24	0.31	268	591	44	9,892	34	7,545	29	6,524	883	34.76	5
	762	30	0.31	0.41	313	691	44	9,892	34	7,545	29	6,524	883	34.76	6
	914	36	0.39	0.51	358	790	44	9,892	34	7,545	29	6,524	883	34.76	7
Ditching	1219	48	0.49	0.64	330	727	64	14,344	40	8,911	33	7,473	907	35.69	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.

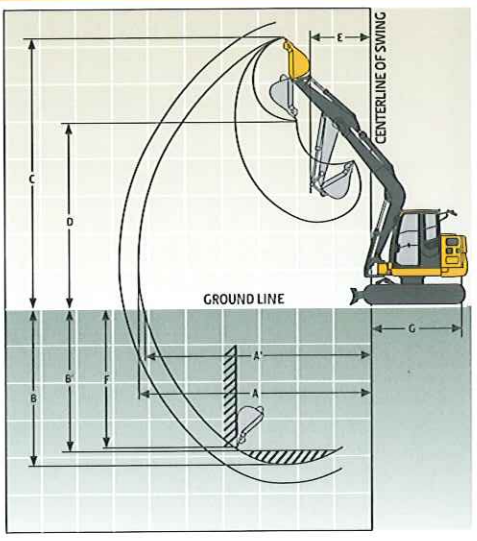
85G

Engine	85G		
Manufacturer and Model	Yanmar 4TNV98C-WHBW		
Non-Road Emission Standard	EPA Final Tier 4/EU Stage IV		
Net Power (ISO 9249)	42.4 kW (56.9 hp) at 2,000 rpm		
Cylinders	4		
Displacement	3.3 L (202 cu. in.)		
Aspiration	Natural		
Off-Level Capacity	70% (35 deg.)		
Cooling			
Variable-speed fan; viscous clutch			
Powertrain			
2-speed propel with automatic shift			
Maximum Travel Speed			
Low	3.1 km/h (1.9 mph)		
High	5.0 km/h (3.1 mph)		
Drawbar Pull	6650 kgf (14,661 lb.)		
Hydraulics			
Open center, load sensing			
Main Pumps	3 variable-displacement axial-piston pumps		
Maximum Pump Flow	2 x 72 + 56 L/m (2 x 19 + 15 gpm)		
Pilot Pump	1 gear		
Maximum Rated Flow	20 L/m (5.3 gpm)		
System Relief Pressure	3900 kPa (566 psi)		
System Operating Pressure			
Implement Circuits	26 000 kPa (3,771 psi)		
Travel Circuits	31 400 kPa (4,554 psi)		
Swing Circuits	25 000 kPa (3,626 psi)		
Controls	Pilot levers, short stroke, low effort; hydraulic pilot controls with shutoff lever		
Cylinders			
Heat-treated, chrome-plated, polished cylinder rods; hardened steel (replaceable bushings) pivot pins			
	Bore	*Rod Diameter*	*Stroke*
Boom (1)	115 mm (4.5 in.)	65 mm (2.6 in.)	885 mm (34.8 in.)
Arm (1)	95 mm (3.7 in.)	60 mm (2.4 in.)	900 mm (35.4 in.)
Bucket (1)	85 mm (3.3 in.)	55 mm (2.2 in.)	730 mm (28.7 in.)
Electrical			
Batteries	2 x 12 volt		
Battery Capacity	2 x 450 CCA		
Alternator Rating	50 amp		
Work Lights	2 halogen: 1 mounted on boom and 1 mounted on frame		
Undercarriage			
Rollers (each side)			
Carrier	1		
Track	5		
Shoes (each side)	40		
Track			
Adjustment	Hydraulic		
Chain	Sealed and lubricated		
Swing Mechanism			
Swing Speed	10.5 rpm		
Swing Torque	16 600 Nm (12,244 lb.-ft.)		
Boom Swing			
Left	60 deg.		
Right	60 deg.		

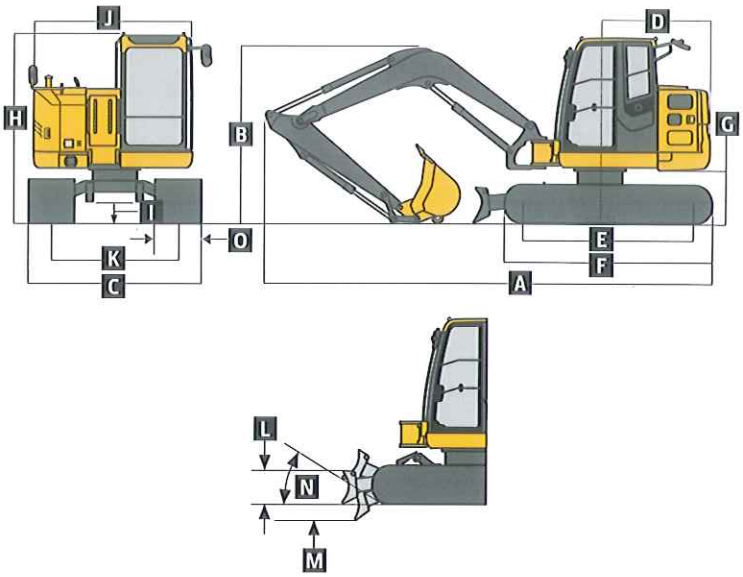
Ground Pressure	85G
450-mm (18 in.) Rubber Crawler Pads	41.5 kPa (6.0 psi)
450-mm (18 in.) Continuous Rubber Belt	41.4 kPa (6.0 psi)
450-mm (18 in.) Triple Semi-Grouser Shoes	41.3 kPa (6.0 psi)
600-mm (24 in.) Triple Semi-Grouser Shoes	31.7 kPa (4.6 psi)
Serviceability	
Refill Capacities	
Fuel Tank	120 L (31.7 gal.)
Cooling System	9.7 L (2.6 gal.)
Engine Oil with Filter	12.3 L (3.2 gal.)
Hydraulic Tank	56 L (15 gal.)
Hydraulic System	103 L (27 gal.)
Propel Gearbox (each)	1.2 L (1.3 qt.)
Operating Weights	
With 0.31-m^3 (0.41 cu. yd.), 762-mm (30 in.), 313-kg (691 lb.) Bucket; 2.12-m (6 ft. 11 in.) Arm; 1408-kg (3,104 lb.) Counterweight; Full Fuel Tank; and 75-kg (165 lb.) Operator	
2220-mm (7 ft. 3 in.) Blade and 450-mm (18 in.) Rubber Crawler Pads	8729 kg (19,244 lb.)
2220-mm (7 ft. 3 in.) Blade and 450-mm (18 in.) Triple Semi-Grouser Shoes	8677 kg (19,130 lb.)
2470-mm (8 ft. 1 in.) blade and 600-mm (24 in.) Triple Semi-Grouser Shoes	8874 kg (19,564 lb.)
2220-mm (7 ft. 3 in.) Blade and 450-mm (18 in.) Continuous Rubber Belt	8701 kg (19,182 lb.)
Optional Components	
Undercarriage (with the following)	
450-mm (18 in.) Rubber Crawler Pads	2871 kg (6,329 lb.)
450-mm (18 in.) Continuous Rubber Belt	2843 kg (6,268 lb.)
450-mm (18 in.) Triple Semi-Grouser Shoes	2819 kg (6,215 lb.)
600-mm (24 in.) Triple Semi-Grouser Shoes	2970 kg (6,548 lb.)
1-Piece Boom (with arm cylinder)	491 kg (1,082 lb.)
Arm with Bucket Cylinder and Linkage	
1.62 m (5 ft. 4 in.)	237 kg (522 lb.)
2.12 m (6 ft. 11 in.)	275 kg (606 lb.)
Boom Lift Cylinder	89 kg (196 lb.)
0.49-m^3 (0.64 cu. yd.), 1219-mm (48 in.) Ditching Bucket	330 kg (728 lb.)
Counterweight (standard)	1408 kg (3,104 lb.)

Operating Dimensions

	Arm Length 1.62 m (5 ft. 4 in.)	*Arm Length 2.12 m (6 ft. 11 in.)*
Arm Digging Force (ISO)	35.5 kN (7,981 lb.)	30.7 kN (6,902 lb.)
Bucket Digging Force (ISO)	46.6 kN (10,476 lb.)	46.6 kN (10,476 lb.)
A Maximum Reach	7.21 m (23 ft. 8 in.)	7.70 m (25 ft. 3 in.)
A' Maximum Reach at Ground Level	7.05 m (23 ft. 2 in.)	7.55 m (24 ft. 9 in.)
B Maximum Digging Depth	3.99 m (13 ft. 1 in.)	4.51 m (14 ft. 10 in.)
B' Maximum Digging Depth at 2.44-m (8 ft.) Flat Bottom	3.62 m (11 ft. 11 in.)	4.20 m (13 ft. 9 in.)
C Maximum Cutting Height	6.79 m (22 ft. 3 in.)	7.14 m (23 ft. 5 in.)
D Maximum Dumping Height	4.77 m (15 ft. 8 in.)	5.08 m (16 ft. 8 in.)
E Minimum Swing Radius	2.74 m (9 ft. 0 in.)	2.89 m (9 ft. 6 in.)
F Maximum Vertical Wall	3.47 m (11 ft. 5 in.)	4.05 m (13 ft. 3 in.)
G Tail Swing Radius	1.49 m (4 ft. 11 in.)	1.49 m (4 ft. 11 in.)



Machine Dimensions	85G	
	Arm Length 1.62 m (5 ft. 4 in.)	*Arm Length 2.12 m (6 ft. 11 in.)*
A Overall Length	6.64 m (21 ft. 9 in.)	6.82 m (22 ft. 5 in.)
B Overall Height		
With 450-mm (18 in.) Rubber Crawler Pads	2.61 m (8 ft. 7 in.)	
With Steel Shoes	2.53 m (8 ft. 4 in.)	
C Undercarriage Width		
With 450-mm (18 in.) Shoes	2.20 m (7 ft. 3 in.)	
With 600-mm (24 in.) Shoes	2.47 m (8 ft. 1 in.)	
D Rear-End Length/Swing Radius	1.49 m (4 ft. 11 in.)	
E Distance Between Idler/Sprocket Centerline	2.29 m (7 ft. 6 in.)	
F Undercarriage Length	2.92 m (9 ft. 7 in.)	
G Counterweight Clearance	0.72 m (28 in.)	
H Cab Height	2.53 m (8 ft. 4 in.)	
I Ground Clearance	360 mm (14 in.)	
J Upperstructure Width	2.32 m (7 ft. 7 in.)	
K Gauge Width	1.87 m (6 ft. 2 in.)	
L Blade Lift Height	340 mm (13 in.)	
Blade Height	460 mm (18 in.)	
Blade Width		
With 450-mm (18 in.) Shoes	2200 mm (7 ft. 3 in.)	
With 600-mm (24 in.) Shoes	2470 mm (8 ft. 1 in.)	
M Blade Cut Below Grade	320 mm (13 in.)	
N Blade Lift Angle	26 deg.	
O Track Width		
With 450-mm (18 in.) Shoes	0.45 m (18 in.)	
With 600-mm (24 in.) Shoes	0.60 m (24 in.)	



Lift Capacities

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

Load Point Height	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)	
Horizontal Distance from Centerline of Rotation	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 3.67-m (12 ft. 2 in.) boom, 1.62-m (5 ft. 4 in.) arm, 0.28-m³ (0.37 cu. yd.) bucket, 450-mm (18 in.) rubber pads, and 2200-mm (7 ft. 3 in.) blade								
3.0 m (10 ft.)			**3432 (7,567)**	2887 (6,365)	**2312 (5,096)**	1580 (3,484)		
1.5 m (5 ft.)					**2819 (6,215)**	1481 (3,265)	**2078 (4,582)**	992 (2,188)
Ground Line			**2434 (5,367)**	**2434 (5,367)**	**3047 (6,717)**	1416 (3,121)		
–1.5 m (–5 ft.)			**4279 (9,433)**	2503 (5,518)	**2711 (5,976)**	1410 (3,109)		
With 3.67-m (12 ft. 2 in.) boom, 2.12-m (6 ft. 11 in.) arm, 0.28-m³ (0.37 cu. yd.) bucket, 450-mm (18 in.) rubber pads, and 2200-mm (7 ft. 3 in.) blade								
4.5 m (15 ft.)					**1735 (3,825)**	1656 (3,651)		
3.0 m (10 ft.)					**2044 (4,506)**	1597 (3,521)	**1809 (3,988)**	1022 (2,253)
1.5 m (5 ft.)					**2619 (5,773)**	1488 (3,280)	**1968 (4,339)**	986 (2,174)
Ground Line			**2577 (5,682)**	2445 (5,391)	**2992 (6,597)**	1403 (3,092)	**2069 (4,561)**	952 (2,098)
–1.5 m (–5 ft.)	**2683 (5,914)**	**2683 (5,914)**	**4770 (10,516)**	2448 (5,397)	**2868 (6,322)**	1377 (3,036)		
–3.0 m (–10 ft.)			**3130 (7,012)**	3130 (5,560)				
With 3.67-m (12 ft. 2 in.) boom, 1.62-m (5 ft. 4 in.) arm, 0.28-m³ (0.37 cu. yd.) bucket, 600-mm (24 in.) shoes, and 2470-mm (8 ft. 1 in.) blade								
3.0 m (10 ft.)			**3432 (7,567)**	2927 (6,453)	**2312 (5,096)**	1603 (3,535)		
1.5 m (5 ft.)					**2819 (6,215)**	1505 (3,317)	**2078 (4,582)**	1009 (2,224)
Ground Line			**2434 (5,367)**	**2434 (5,367)**	**3047 (6,717)**	1439 (3,172)		
–1.5 m (–5 ft.)			**4279 (9,433)**	2543 (5,606)	**2711 (5,976)**	1433 (3,160)		

Lift Capacities *(continued)* 85G

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

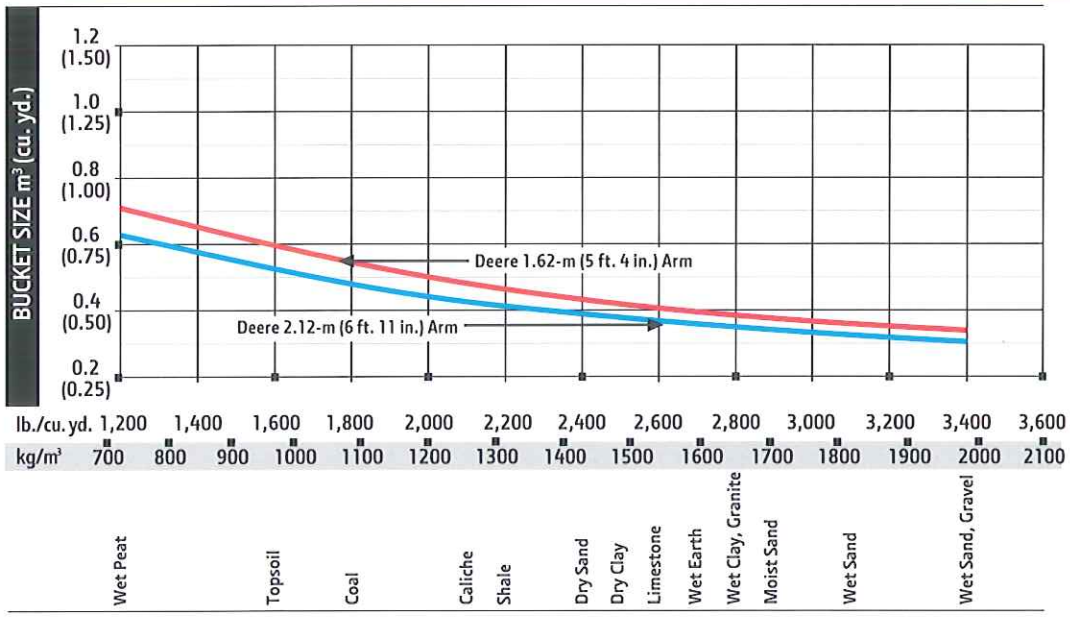
Load Point Height	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)	
Horizontal Distance from Centerline of Rotation	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 3.67-m (12 ft. 2 in.) boom, 2.12-m (6 ft. 11 in.) arm, 0.28-m³ (0.37 cu. yd.) bucket, 600-mm (24 in.) shoes, and 2470-mm (8 ft. 1 in.) blade								
4.5 m (15 ft.)					**1735 (3,825)**	1679 (3,702)		
3.0 m (10 ft.)					**2044 (4,506)**	1620 (3,572)	**1809 (3,988)**	1038 (2,289)
1.5 m (5 ft.)					**2619 (5,773)**	1511 (3,332)	**1968 (4,339)**	1002 (2,210)
Ground Line			**2577 (5,682)**	2485 (5,479)	**2992 (6,597)**	1426 (3,143)	**2069 (4,561)**	968 (2,134)
–1.5 m (–5 ft.)	**2683 (5,914)**	**2683 (5,914)**	**4770 (10,516)**	2488 (5,485)	**2868 (6,322)**	1400 (3,087)		
–3.0 m (–10 ft.)			**3130 (7,012)**	3130 (5,647)				
With 3.67-m (12 ft. 2 in.) boom, 2.12-m (6 ft. 11 in.) arm, less bucket, 450-mm (18 in.) continuous rubber belt, and 2200-mm (7 ft. 3 in.) blade								
4.5 m (15 ft.)					**1728 (3,810)**	1579 (3,480)		
3.0 m (10 ft.)					**2050 (4,520)**	1520 (3,350)	**1805 (3,980)**	971 (2,140)
1.5 m (5 ft.)					**2626 (5,790)**	1411 (3,110)	**1969 (4,340)**	934 (2,060)
Ground Line			**2595 (5,720)**	2309 (5,090)	**2994 (6,600)**	1329 (2,930)	**2068 (4,560)**	903 (1,990)
–1.5 m (–5 ft.)	**2708 (5,970)**	**2708 (5,970)**	**4758 (10,490)**	2309 (5,090)	**2862 (6,310)**	1306 (2,880)		
–3.0 m (–10 ft.)			**3139 (6,920)**	2386 (5,260)				

Buckets

A full line of buckets is offered to meet a wide variety of applications. Replaceable cutting edges are available through John Deere Parts. Optional side cutters add 150 mm (6 in.) to bucket widths.

Type Bucket	Bucket Width		Bucket Capacity		Bucket Weight		Bucket Dig Force (ISO)		Arm Dig Force (ISO) 1.62 m (5 ft. 4 in.)		Arm Dig Force (ISO) 2.12 m (6 ft. 11 in.)		Bucket Tip Radius		Number of Teeth
	mm	in.	m³	cu. yd.	kg	lb.	kN	lb.	kN	lb.	kN	lb.	mm	in.	
Heavy Duty	610	24	0.31	0.40	287	633	54	12,061	38	8,491	32	7,162	1087	42.80	5
	762	30	0.41	0.53	333	735	54	12,061	38	8,491	32	7,162	1087	42.80	6
	914	36	0.50	0.66	380	837	54	12,061	38	8,491	32	7,162	1087	42.80	7
Ditching	1219	48	0.49	0.64	330	727	64	14,344	40	8,911	33	7,473	907	35.69	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.

75G	85G	Engine
●	●	Auto-idle system
●	●	Batteries (2 – 12 volt)
●	●	Coolant recovery tank
●	●	Single-element 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
●	●	Radiator and oil cooler with dust-protective net
●	●	Glow-plug start aid
●	●	500-hour engine oil-change interval
●	●	70% (35 deg.) off-level capacity
●	●	Isolation mounted
		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
●	●	5,000-hour hydraulic oil-change interval
▲	▲	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
●	●	2-speed propel with automatic shift
●	●	Upper carrier roller (1)
●	●	Sealed and lubricated track chain
●	●	Undercarriage with blade
▲	▲	Triple semi-grouser shoes, 450 mm (18 in.)
▲	▲	Triple semi-grouser shoes, 600 mm (24 in.)
▲	▲	Rubber crawler pads, 450 mm (18 in.)
▲	▲	Rubber belt, continuous, 450 mm (18 in.)

75G	85G	Upperstructure
●		Counterweight, 1305 kg (2,877 lb.)
	●	Counterweight, 1408 kg (3,104 lb.)
●	●	Right- and left-hand mirrors
●	●	Vandal locks with ignition key: Cab door / Engine hood / Fuel cap / Service doors
●	●	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, 1.62 m (5 ft. 4 in.)
▲	▲	Arm, 2.12 m (6 ft. 11 in.)
▲	▲	Attachment quick-couplers
▲	▲	Buckets: Ditching / Heavy duty / Heavy-duty high capacity / Side cutters and teeth
		Operator's Station
●	●	Meets ISO 12117-2 for ROPS
●	●	Adjustable independent control positions (seat-to-pedals)
●	●	AM/FM radio
●	●	Auto climate control/air conditioner with heater and pressurizer
●	●	Built-in operator's manual storage compartment and manual
●	●	Cell-phone power outlet, 12 volt, 60 watt, 5 amp
●	●	Coat hook
●	●	Deluxe cloth suspension seat with 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

75G	85G	Operator's Station *(continued)*
●	●	Large cup holder
●	●	Machine Information Center (MIC)
●	●	Mode selectors (illuminated): Power modes (2) / 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)
●	●	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
	●	Transparent tinted overhead window
●	●	Hot/cold beverage compartment
▲	▲	Seat belt, 76 mm (3 in.), non-retractable
▲	▲	Protection screens for cab front, rear, and side
▲	▲	Window vandal-protection covers
		Electrical
●	●	50-amp alternator
●	●	Blade-type multi-fused circuits
●	●	Positive-terminal battery covers
▲	▲	JDLink™ wireless communication system (available in specific countries; see your dealer for details)
		Lights
●	●	Work lights: Halogen / 1 mounted on boom / 1 mounted on frame

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 units with standard equipment, 0.31-m³ (0.41 cu. yd.), 762-mm (30-in.), 313-kg (691 lb.) buckets; 450-mm (18-in.) rubber crawler pad shoes; 2.12-m (6 ft. 11 in.) arms; full fuel tanks; and 75-kg (165 lb.) operators; a 75G unit with 1305-kg (2,877 lb.) counterweight, and an 85G unit with 1408-kg (3,104 lb.) counterweight.

www.JohnDeere.com

DKAX7585G Litho in U.S.A. (13-06)

130G EXCAVATOR

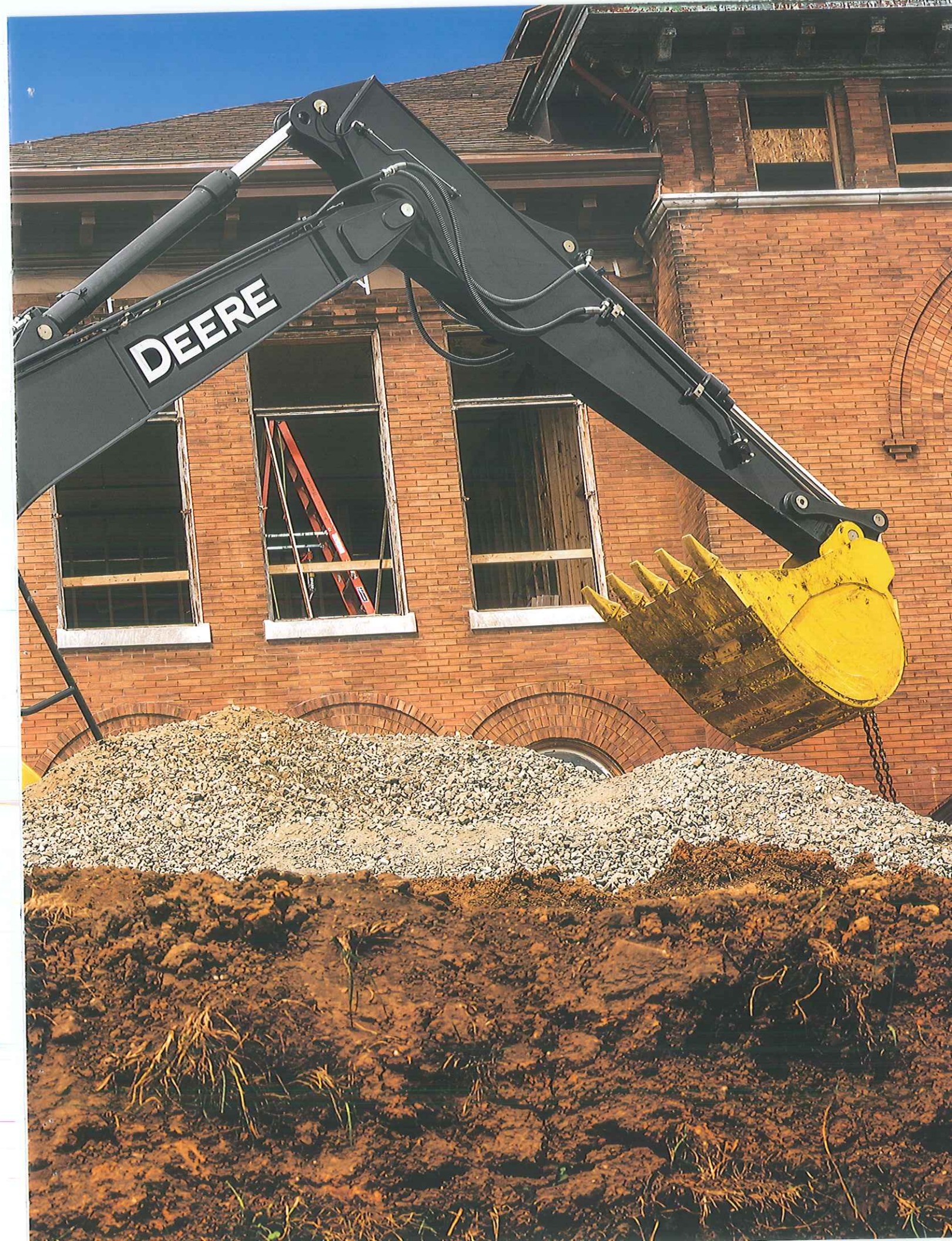
14 348–14 589-kg (31,604–32,134-lb.) Operating Weight

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. Rugged EPA Final Tier 4 (FT4)/EU Stage IV PowerTech™ diesel engine meets rigid emission regulations, enabling you to work, wherever there's work—without compromising power, reliability, or ease of operation.

Specifications	130G
Net rated power	73 kW (98 hp)
Operating weight	14 348 kg (31,604 lb.) without blade / 14,589 kg (32,134 lb.) with blade
Maximum digging depth	6.03 m (19 ft. 9 in.)
Maximum arm digging force	60 kN (13,521 lb.)
Maximum bucket digging force	96 kN (21,480 lb.)


DEERE

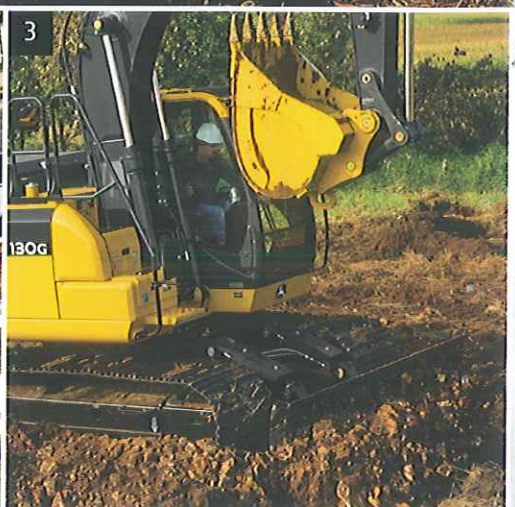
Fits the way you work.

The highly capable 130G's impressive working specs empower it to tackle a wide variety of tasks, including digging footings, loading trucks, installing utilities, and more.

Powerwise™ III hydraulic management system 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.

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

Choose from several different auxiliary hydraulic-control styles: proportional foot control, electric-switch foot control, push-button hand control, or proportional hand control.



1. 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.

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

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. Operators will also appreciate the spacious well-appointed cab, virtually unobstructed all-round visibility, and numerous other amenities that provide everything they need to do their best work.

New hood design ensures optimal visibility to the sides and rear, even with the increased under-the-hood space requirements of EPA Final Tier 4 (FT4)/EU Stage IV engine components.

We've got your back with a sculpted mechanical-suspension high-back seat with 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.

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.

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.

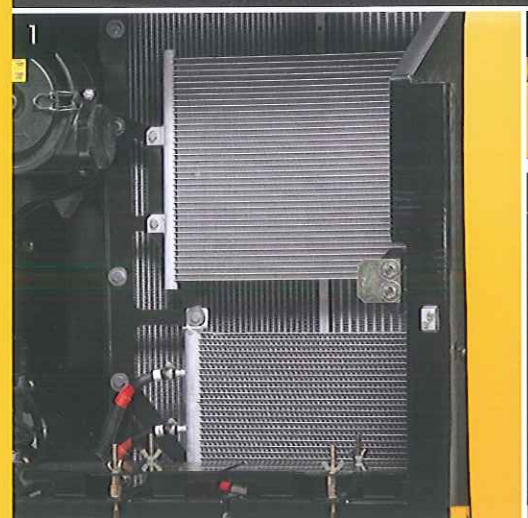
2. Ergonomically correct short-throw pilot joysticks provide smooth, precise fingertip control with less movement or effort. Push buttons in the right-side lever allow predictable control of auxiliary hydraulic flow for operating attachments. Optional sliding switch provides proportional speed control,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

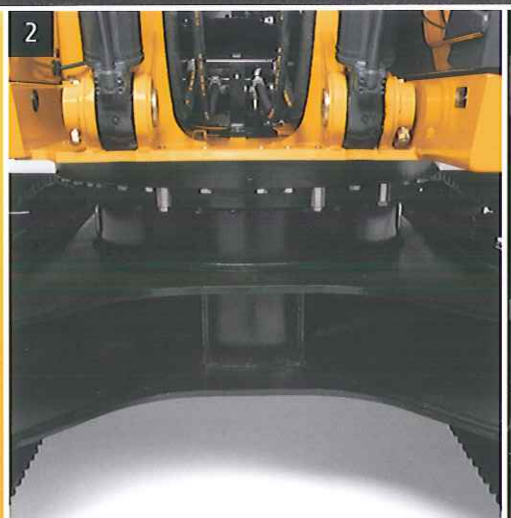
3. Automatic, high-velocity bi-level climate-control system with automotive-style adjustable louvers helps keep the glass clear and the cab comfortable.

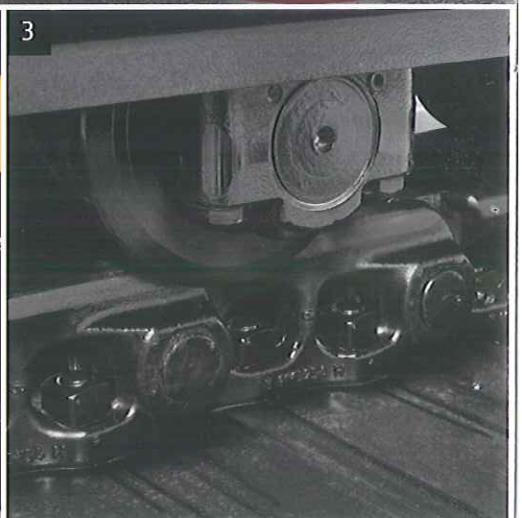
1. Highly efficient heavy-duty cooling system keeps things cool, even in tough environments or high altitudes. Cool-on-demand suction-type fan helps reduce material buildup and maintenance.

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

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







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 field-proven 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).

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.

Nothing runs like this Deere.

Unlike some excavators that scream for attention, the 130G's viscous variable-speed fan runs only 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. 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.

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.

John Deere WorkSight is an exclusive suite of telematics solutions that increases uptime while lowering operating costs. At its heart, JDLink™ Ultimate 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, record performance data, and even update software without a trip to the jobsite.

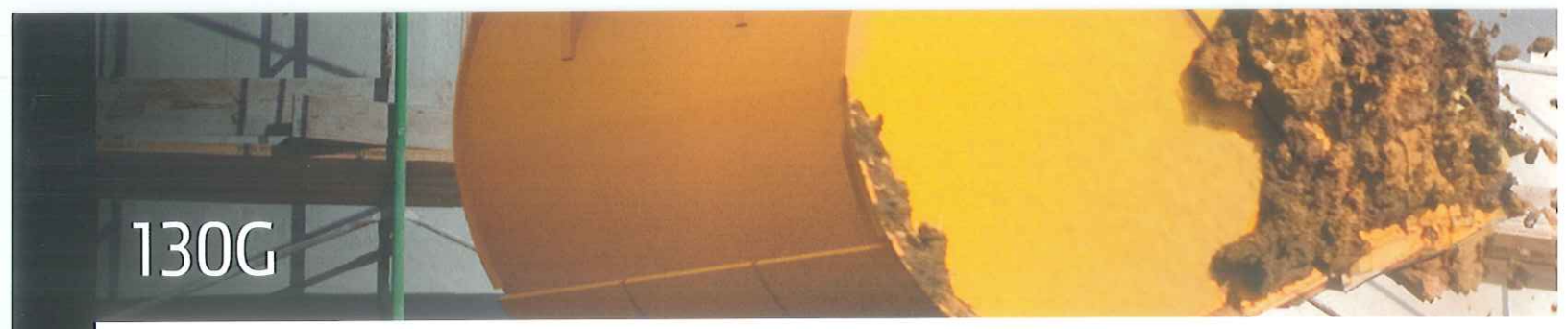
1. Easy-to-read LCD monitor tracks scheduled maintenance intervals and issues reminders. Should a problem arise, it provides diagnostic information to help decrease downtime.

2. Large fuel tank and 500- and 5,000-hour engine and hydraulic oil-service intervals decrease downtime for routine maintenance. Fluid-sample and remote diagnostic ports help speed preventative maintenance and troubleshooting.

3. 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 10,000 hours.

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

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



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™ 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			
Cool-on-demand suction-type fan			
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)	37.12 kPa (5.38 psi)	
700 mm (28 in.)	32 kPa (4.64 psi)	37.74 kPa (5.47 psi)	
600-mm (24 in.) Rubber Crawler Pad	28 kPa (4.06 psi)	34.69 kPa (503 psi)	

Swing Mechanism	130G
Speed	13.3 rpm
Torque	33 000 Nm (24,265 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.)

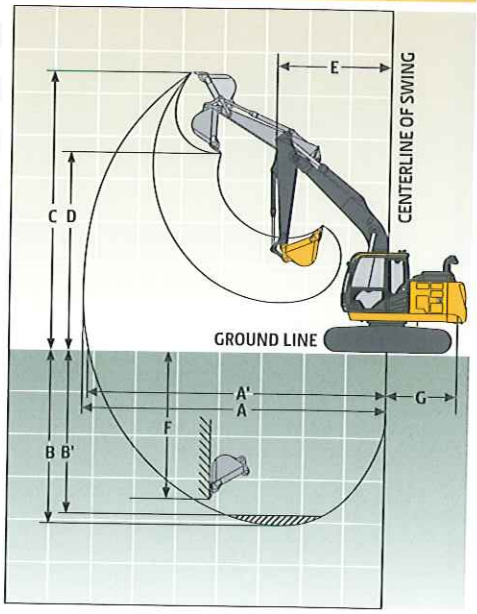
Operating Weights

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	*Without Blade*	*With Blade*
600 mm (24 in.) Triple Semi-Grouser Shoes	14 110 kg (31,079 lb.)	14 351 kg (31,610 lb.)
700 mm (28 in.) Triple Semi-Grouser Shoes	14 348 kg (31,604 lb.)	14 589 kg (32,134 lb.)
600-mm (24 in.) Rubber Crawler Pad	13 170 kg (29,009 lb.)	13 411 kg (29,540 lb.)
Optional Components		
Undercarriage		
600 mm (24 in.) Triple Semi-Grouser Shoes	3845 kg (8,469 lb.)	4086 kg (9,000 lb.)
700 mm (28 in.) Triple Semi-Grouser Shoes	4083 kg (8,993 lb.)	4324 kg (9,524 lb.)
600-mm (24 in.) Rubber Crawler Pad	2905 kg (6,399 lb.)	3146 kg (6,930 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.)	

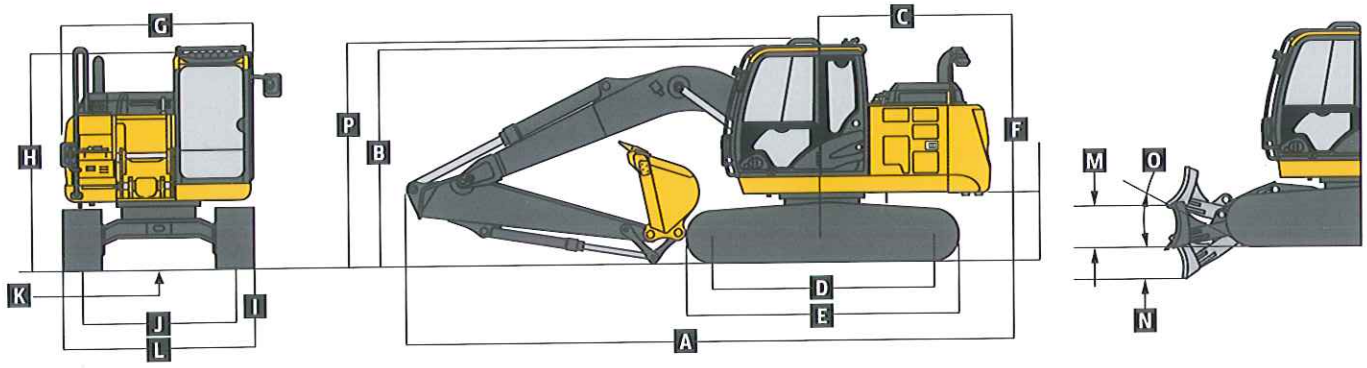
Operating Dimensions

Arm Length		*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.)
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.)	
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.)	
P Transport Height*	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).

	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.)	
LOAD POINT HEIGHT	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)**	**3000 (6,000)**	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)				
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)**	2250 (4,800)		
3.0 m (10 ft.)			**5550 (11,900)**	**5550 (11,900)**	**4050 (8,700)**	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)				

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

130G	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, 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 / 1 mounted on boom / 1 mounted on frame
▲	2 lights mounted on cab / 1 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, 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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DKAX130G Litho in U.S.A. (15-10)

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									
	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.)	
LOAD POINT HEIGHT	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 700-mm (28 in.) triple semi-grouser shoes, without blade										
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)				
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)**	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)				
With 2.52-m (8 ft. 3 in.) arm and 500-mm (20 in.) rubber track, without blade										
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)				
With 2.52-m (8 ft. 3 in.) arm and 500-mm (20 in.) rubber track, blade on ground										
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)				
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	1800		
–4.5 m (–15 ft.)			**5750 (12,150)**	5550 (11,900)	**3400**	2900				

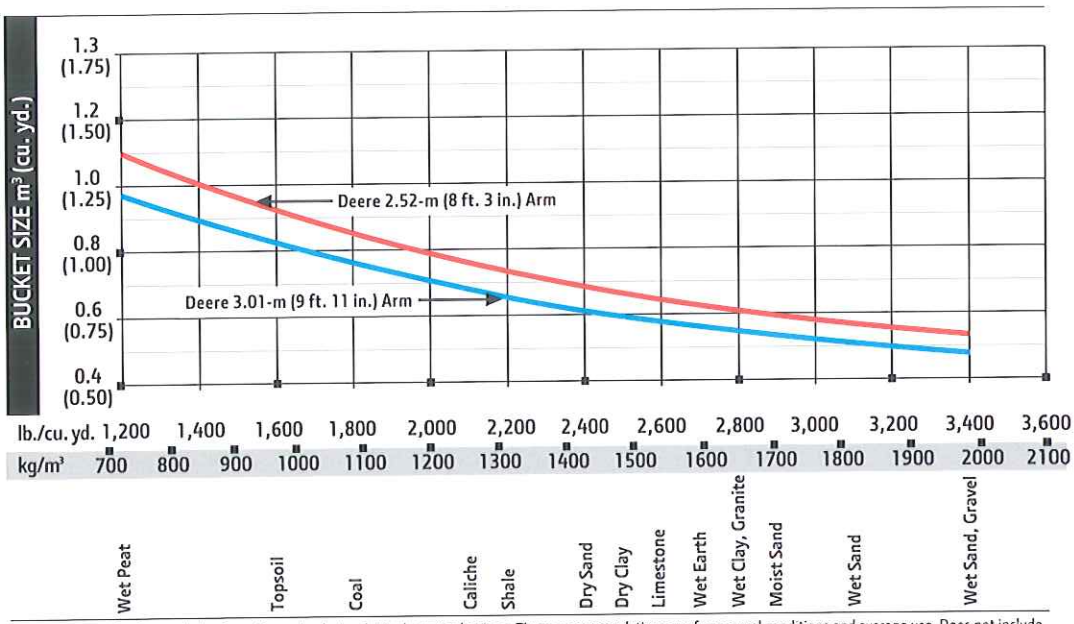
Buckets

130G

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.

Bucket Type	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	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.

Lift Capacities *(continued)* 130G

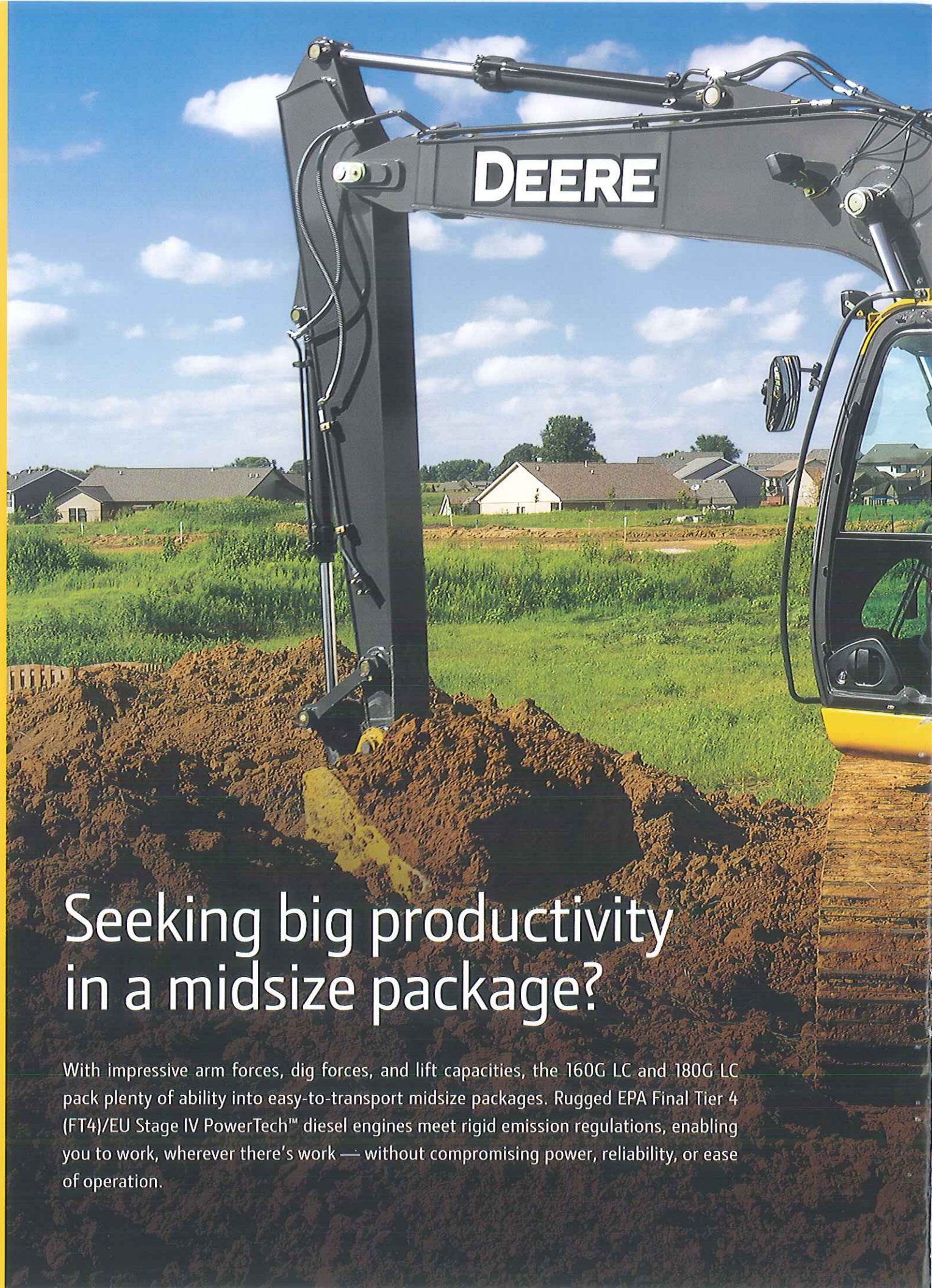
Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 414-kg (913 lb.) general-purpose bucket, 2350-kg (5,181 lb.) standard counterweight, and standard gauge; and situated on firm, 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									
	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.)	
LOAD POINT HEIGHT	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, 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**	1950		
–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)**	3,100 (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	1800		
–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**	2000		
–4.5 m (–15 ft.)			**5750 (12,150)**	**5750 (12,150)**	**3400**	3200				
With 3.01-m (9 ft. 11 in.) arm and 500-mm (20 in.) rubber track, 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)	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				
With 3.01-m (9 ft. 11 in.) arm and 500-mm (20 in.) rubber track, blade on ground										
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				

160G LC/180G LC

17 945–20 507-kg (39,526–45,170 lb.) Operating Weight

JOHN DEERE



Seeking big productivity in a midsize package?

With impressive arm forces, dig forces, and lift capacities, the 160G LC and 180G LC pack plenty of ability into easy-to-transport midsize packages. Rugged EPA Final Tier 4 (FT4)/EU Stage IV PowerTech™ diesel engines meet rigid emission regulations, enabling you to work, wherever there's work — without compromising power, reliability, or ease of operation.

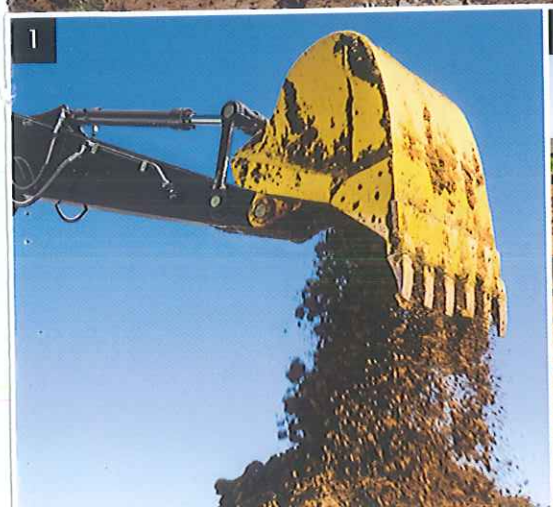
	160G LC	180G LC
Net rated power	90 kW (122 hp)	95 kW (128 hp)
Operating weight	17 945 kg (39,526 lb.)	20 507 kg (45,170 lb.)
Maximum digging depth	6.49 m (21 ft. 4 in.)	7.07 m (23 ft. 2 in.)
Arm digging force	82 kN (18,508 lb.)	84 kN (18,825 lb.)
Bucket digging force	119 kN (26,665 lb.)	126 kN (28,244 lb.)

Midsize, no compromise.

Whether you're stockpiling overburden, excavating basements, loading trucks, or placing pipe, the G-Series provides the muscle and finesse you need.

Powerwise™ III hydraulic management system 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 smooth and balanced metering for normal operation. ***Economy*** reduces top speed and helps save fuel.

1. Choose from a variety of track widths, arm lengths, buckets, high-flow auxiliary hydraulic packages, and other options.
2. When the digging gets tough, simply press the power-boost button on the right-hand control and muscle through.
3. For work that requires extra finesse, the G-Series' short-throw low-effort controls, unmatched metering, and smooth multifunction operation give the precision you need.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3
DEERE
180G

Operating ease takes a turn for the better.

Now it's easier than ever for your operators to "dial things up." The G-Series' refined monitor employs a rotary control that makes it quick and easy to tap into an abundance of performance and convenience functions and features. Operators will also appreciate the quiet and spacious cab, virtually unobstructed all-around visibility, and numerous other amenities that provide everything your operators need to do their best work.

New hood design ensures optimal visibility to the sides and rear, even with the increased under-the-hood space requirements of EPA Final Tier 4 (FT4)/ EU Stage IV engine components.

We've got your back with a sculpted mechanical-suspension high-back seat with 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.

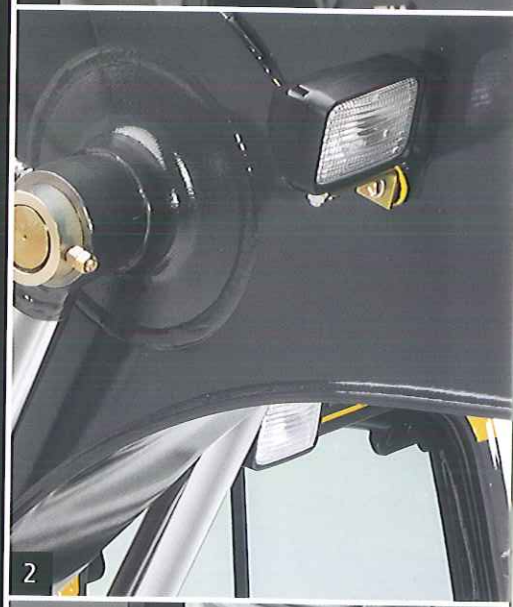
Ergonomically correct short-throw pilot levers provide smooth, predictable fingertip control with less movement or effort. Push buttons in the right lever allow fingertip control of auxiliary hydraulic flow for operating attachments. Optional sliding switch provides proportional speed control, giving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

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. Standard boom/frame lights and cab/boom-mounted options provide illumination to extend your workday beyond daytime hours. Add optional cab lights, a right-hand boom light, or the underhood light package to further dispel the dark when needed.

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

1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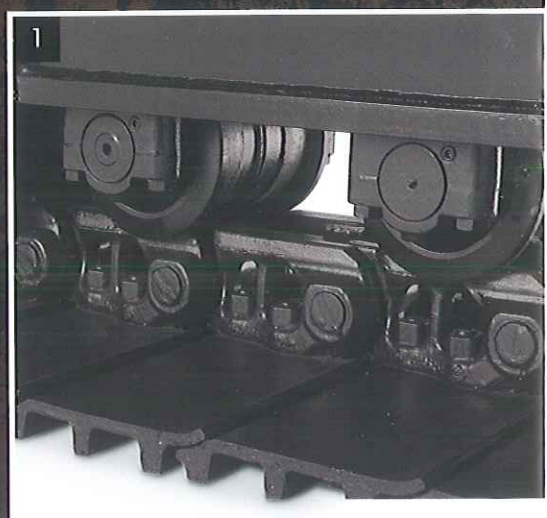
3

Nothing runs like a Deere, because nothing is built like one.

Unlike some excavators that scream for attention, our G-Series' hydraulically driven on-demand fans run only as fast or often as needed. For reduced noise and fuel consumption. Their highly efficient cooling systems keep things running cool, even in high-trash environments and high altitudes. When you know how they're built, you'll run a Deere.

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



A John Deere exclusive, three welded bulkheads within the boom resist torsional stress for unsurpassed durability. Booms, arms, and mainframes are so tough, they're warranted for three years or 10,000 hours.

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.

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

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

3. Ground-level-accessible coolers with easily removed pre-cleaner screens help prevent trash from plugging up the cores — helping the G-Series maintain their cool-running efficiency.

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

5. TK-Series bucket teeth are engineered for maximum strength and impact absorption. Hammer-free installation and removal simplify changes, minimize downtime.

Uncover the many ways we help minimize maintenance.

Like all of our equipment, the 135G and 245G LC are loaded with features that make them 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. Easy-access 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) and state-of-the-art diagnostic monitor help you make timely decisions about machine upkeep — empowering you to manage uptime and control 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.

Machine Information Center captures and stores vital machine performance and utilization data to help improve uptime.

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

Large fuel tanks 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.

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

1

2

3

1. Fluid-level sight gauges and see-through fluid containers are conveniently located and can be checked at a glance.

2. Easy-to-read LCD monitor tracks scheduled maintenance intervals and issues reminders. Should a problem arise, it provides diagnostic information to help decrease downtime.

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

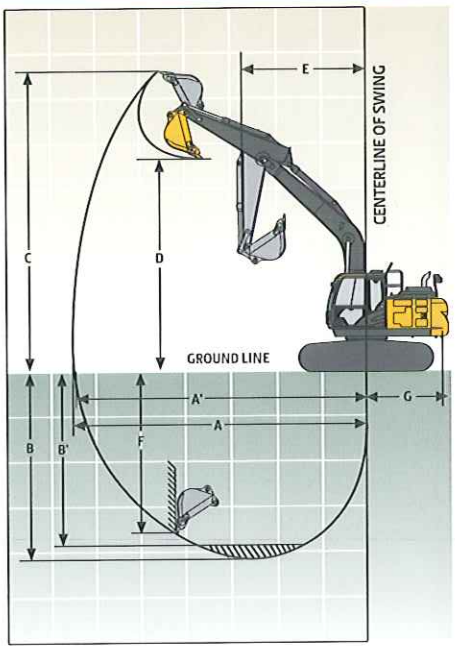
4. Easy-access dipstick and nearby engine oil fill make daily checks and/or additions quick and easy.

135G

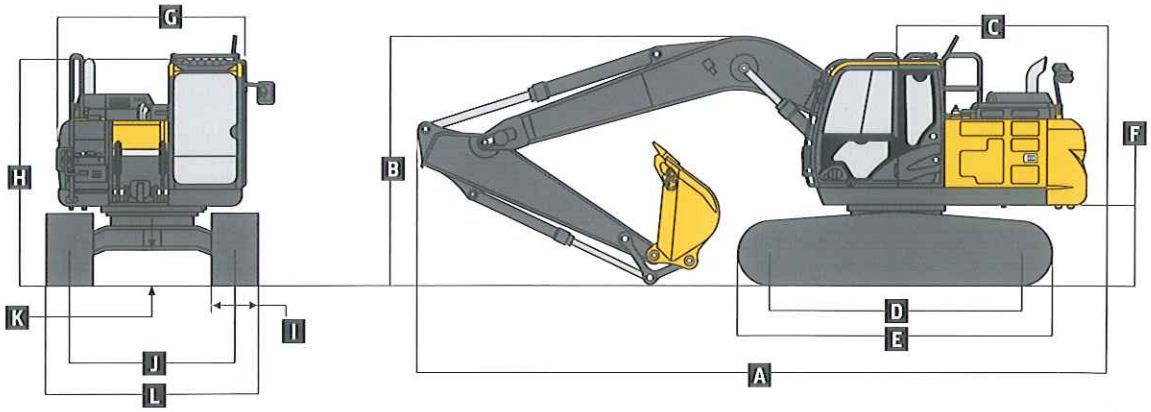
Engine	135G		
	Base engine for use in the U.S., U.S. Territories, and Canada		
Manufacturer and Model	Isuzu 4JJ1		
Non-Road Emissions Standard	EPA Interim Tier 4/EU Stage IIIB		
Net Rated Power (ISO 9249)	72 kW (97 hp) at 2,000 rpm		
Cylinders	4		
Displacement	3.0 L (182 cu. in.)		
Off-Level Capacity	70% (35 deg.)		
Aspiration	Turbocharged, air-to-air charge-air cooler		
Cooling			
Direct-drive suction-type fan			
Powertrain			
2-speed propel with automatic shift			
Maximum Travel Speed			
Low	3.4 km/h (2.1 mph)		
High	5.5 km/h (3.4 mph)		
Drawbar Pull	11 000 kg (24,251 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.)	995 mm (39.17 in.)
Arm (1)	115 mm (4.53 in.)	80 mm (3.15 in.)	1127 mm (44.37 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	300 CCA		
Alternator Rating	50 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		
Guides	Front idler		
Chain	Sealed and lubricated		
Ground Pressure			
	Without Blade	*With Blade*	
Rubber Crawler Pads, 500 mm (20 in.)	43 kPa (6.24 psi)	46 kPa (6.67 psi)	
Triple Semi-Grouser Shoes			
600 mm (24 in.)	36 kPa (5.22 psi)	38 kPa (5.51 psi)	
700 mm (28 in.)	31 kPa (4.50 psi)	33 kPa (4.79 psi)	

Swing Mechanism	**160G LC**
Speed	13.3 rpm
Torque	44 000 Nm (32,353 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	125 L (33.0 gal.)
Hydraulic System	210 L (55.5 gal.)
Gearbox	
Swing	6.2 L (6.6 qt.)
Propel (each)	6.8 L (7.2 qt.)
Pump Drive	0.9 L (1.0 qt.)
Diesel Exhaust Fluid (DEF) Tank	26.7 L (28.2 qt.)
Operating Weights	
With full fuel tank, 79-kg (175 lb.) operator, and 914-mm (36 in.), 0.60-m³ (0.78 cu. yd.), 528-kg (1,164 lb.) general-purpose bucket; 3.10-m (10 ft. 2 in.) arm; 3200-kg (7,055 lb.) counterweight; and 700-mm (28 in.) triple semi-grouser shoes	
Operating Weight	17 945 kg (39,526 lb.)
Optional Components	
Undercarriage with Triple Semi-Grouser Shoes	
600 mm (24 in.)	6316 kg (13,912 lb.)
700 mm (28 in.)	6530 kg (14,383 lb.)
1-Piece Boom (with arm cylinder)	1300 kg (2,863 lb.)
Arm with Bucket Cylinder and Linkage	
2.60 m (8 ft. 6 in.)	788 kg (1,736 lb.)
3.10 m (10 ft. 2 in.)	874 kg (1,925 lb.)
Boom-Lift Cylinders (2), Total Weight	306 kg (674 lb.)

Operating Dimensions			
	Arm Length	*2.60 m (8 ft. 6 in.)*	*3.10 m (10 ft.2 in.)*
	Arm Digging Force		
	SAE	90 kN (20,193 lb.)	79 kN (17,857 lb.)
	ISO	93 kN (20,838 lb.)	82 kN (18,508 lb.)
	Bucket Digging Force		
	SAE	105 kN (23,598 lb.)	105 kN (23,598 lb.)
	ISO	119 kN (26,665 lb.)	119 kN (26,665 lb.)
A	Maximum Reach	8.87 m (29 ft. 1 in.)	9.33 m (30 ft. 7 in.)
A¹	Maximum Reach at Ground Level	8.70 m (28 ft. 7 in.)	9.16 m (30 ft. 1 in.)
B	Maximum Digging Depth	5.98 m (19 ft. 7 in.)	6.49 m (21 ft. 4 in.)
B¹	Maximum Digging Depth at 2.44-m (8 ft. 0 in.) Flat Bottom	5.74 m (18 ft. 10 in.)	6.27 m (20 ft. 7 in.)
C	Maximum Cutting Height	8.88 m (29 ft. 2 in.)	9.13 m (29 ft. 11 in.)
D	Maximum Dumping Height	6.17 m (20 ft. 3 in.)	6.40 m (21 ft. 0 in.)
E	Minimum Swing Radius	2.91 m (9 ft. 7 in.)	2.92 m (9 ft. 7 in.)
F	Maximum Vertical Wall	5.16 m (16 ft. 11 in.)	5.69 m (18 ft. 8 in)
G	Tail-Swing Radius	2.55 m (8 ft. 4 in.)	2.55 m (8 ft. 4 in.)



Machine Dimensions	160G LC	
Arm Length	*2.60 m (8 ft. 6 in.)*	*3.10 m (10 ft. 2 in.)*
A Overall Length	8.62 m (28 ft. 3 in.)	8.65 m (28 ft. 5 in.)
B Overall Height	2.87 m (9 ft. 5 in.)	3.11 m (10 ft. 2 in.)
C Rear-End Length/Swing Radius	2.55 m (8 ft. 4 in.)	
D Distance Between Idler/Sprocket Centerline	3.10 m (10 ft. 2 in.)	
E Undercarriage Length	3.92 m (12 ft. 10 in.)	
F Counterweight Clearance	1030 mm (3 ft. 5 in.)	
G Upperstructure Width	2.50 m (8 ft. 2 in.)	
H Cab Height	2.95 m (9 ft. 8 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	470 mm (18.5 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.)	



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 528-kg (1,164 lb.) bucket, 3200-kg (7,055 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									
	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.)	
LOAD POINT HEIGHT	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 2.60-m (8 ft. 6 in.) arm and 600-mm (24 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							**2850**	**2850**		
4.5 m (15 ft.)					**4100** (8,900)	**4100** (8,900)	**3850** (8,450)	3100 (6,650)		
3.0 m (10 ft.)			**8400** (17,900)	**8400** (17,900)	**5450** (11,700)	4700 (10,150)	**4400** (9,550)	2950 (6,350)		
1.5 m (5 ft.)					**6800** (14,700)	4400 (9,450)	4550 (9,800)	2800 (6,050)		
Ground Line			**5800** (13,450)	**5800** (13,450)	7050 (15,100)	4200 (9,000)	4450 (9,550)	2700 (5,850)		
–1.5 m (–5 ft.)	**5300** (11,850)	**5300** (11,850)	**9950** (22,800)	7900 (17,000)	6950 (14,950)	4150 (8,900)	4400 (9,450)	2650 (5,750)		
–3.0 m (–10 ft.)	**9850** (22,250)	**9850** (22,250)	**10 600** (22,900)	8050 (17,350)	7050 (15,100)	4200 (9,050)				
With 2.60-m (8 ft. 6 in.) arm and 700-mm (28 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							**2850**	**2850**		
4.5 m (15 ft.)					**4100** (8,900)	**4100** (8,900)	**3850** (8,450)	3150 (6,750)		
3.0 m (10 ft.)			**8400** (17,900)	**8400** (17,900)	**5450** (11,700)	4750 (10,250)	**4400** (9,550)	3000 (6,450)		
1.5 m (5 ft.)					**6800** (14,700)	4450 (9,550)	4600 (9,900)	2850 (6,150)		
Ground Line			**5800** (13,450)	**5800** (13,450)	7100 (15,250)	4250 (9,150)	4500 (9,650)	2750 (5,900)		
–1.5 m (–5 ft.)	**5300** (11,850)	**5300** (11,850)	**9950** (22,800)	8000 (17,200)	7050 (15,100)	4200 (9,000)	4450 (9,550)	2700 (5,850)		
–3.0 m (–10 ft.)	**9850** (22,250)	**9850** (22,250)	**10 600** (22,900)	8150 (17,550)	7100 (15,250)	4250 (9,150)				

Lift Capacities *(continued)* — 160G LC

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 528-kg (1,164 lb.) bucket, 3200-kg (7,055 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).

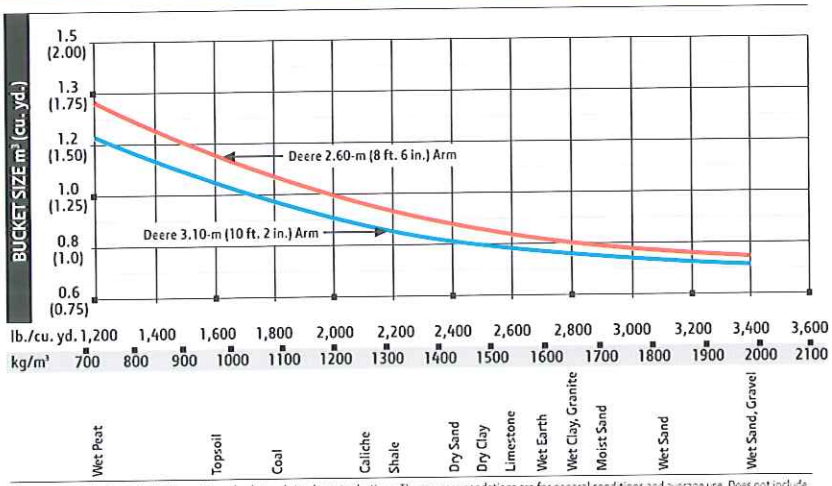
	HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION									
	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)	
LOAD POINT HEIGHT	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 3.10-m (10 ft. 2 in.) arm and 600-mm (24 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							**2950 (6,150)**	**2950 (6,150)**		
4.5 m (15 ft.)							**3400 (7,500)**	3150 (6,750)		
3.0 m (10 ft.)			**6950 (14,800)**	**6950 (14,800)**	**4850 (10,400)**	4800 (10,350)	**4000 (8,750)**	3000 (6,450)	**2900 (5,750)**	2000 (4,300)
1.5 m (5 ft.)			**7100 (17,200)**	**7100 (17,200)**	**6300 (13,650)**	4450 (9,550)	4550 (9,850)	2850 (6,100)	3150 (6,800)	1950 (4,150)
Ground Line			**6400 (14,750)**	**6400 (14,750)**	7050 (15,100)	4200 (9,000)	4450 (9,500)	2700 (5,800)	3100 (6,700)	1850 (4,000)
–1.5 m (–5 ft.)	**4700 (10,550)**	**4700 (10,550)**	**9200 (21,000)**	7800 (16,800)	6900 (14,850)	4100 (8,800)	4350 (9,350)	2650 (5,650)		
–3.0 m (–10 ft.)	**8250 (18,600)**	**8250 (18,600)**	**11 200 (24,250)**	7900 (17,000)	6950 (14,900)	4100 (8,850)	4400 (9,450)	2650 (5,700)		
–4.5 m (–15 ft.)			**8950 (19,100)**	8200 (17,600)	**5850 (12,350)**	4250 (9,250)				
With 3.10-m (10 ft. 2 in.) arm and 700-mm (28 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							**2950 (6,150)**	**2950 (6,150)**		
4.5 m (15 ft.)							**3400 (7,500)**	3150 (6,800)		
3.0 m (10 ft.)			**6950 (14,800)**	**6950 (14,800)**	**4850 (10,400)**	**4850 (10,400)**	**4000 (8,750)**	3050 (6,500)	**2900 (5,750)**	2050 (4,350)
1.5 m (5 ft.)			**7100 (17,200)**	**7100 (17,200)**	**6300 (13,650)**	4500 (9,650)	4600 (9,900)	2850 (6,150)	3200 (6,900)	1950 (4,200)
Ground Line			**6400 (14,750)**	**6400 (14,750)**	7100 (15,250)	4250 (9,100)	4450 (9,600)	2750 (5,850)	3150 (6,750)	1900 (4,100)
–1.5 m (–5 ft.)	**4700 (10,550)**	**4700 (10,550)**	**9200 (21,000)**	7900 (17,000)	7000 (15,000)	4150 (8,900)	4400 (9,450)	2650 (5,750)		
–3.0 m (–10 ft.)	**8250 (18,600)**	**8250 (18,600)**	**11 200 (24,250)**	8000 (17,200)	7000 (15,050)	4150 (8,950)	4450 (9,550)	2700 (5,800)		
–4.5 m (–15 ft.)			**8950 (19,100)**	8300 (17,850)	**5850 (12,350)**	4300 (9,350)				

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.

Bucket Type	Bucket Width		Bucket Capacity		Bucket Weight		Bucket Dig Force		Arm Dig Force 2.60 m (8 ft. 6 in.)		Arm Dig Force 3.10 m (10 ft. 2 in.)		Bucket Tip Radius		Number of Teeth
	mm	in.	m^3	cu. yd.	kg	lb.	kN	lb.	kN	lb.	kN	lb.	mm	in.	
General Purpose															
High Capacity	610	24	0.41	0.54	491	1,081	97.4	21,885	87.0	19,556	77.8	17,497	1463	57.61	4
	760	30	0.55	0.72	569	1,253	97.4	21,885	87.0	19,556	77.8	17,497	1463	57.61	4
	915	36	0.70	0.91	655	1,443	97.4	21,885	87.0	19,556	77.8	17,497	1463	57.61	5
	1065	42	0.85	1.11	733	1,615	97.4	21,885	87.0	19,556	77.8	17,497	1463	57.61	5
Heavy Duty	610	24	0.37	0.48	493	1,086	105.6	23,735	89.5	20,125	79.8	17,947	1349	53.10	4
	760	30	0.50	0.65	554	1,221	105.6	23,735	89.5	20,125	79.8	17,947	1349	53.10	4
	915	36	0.62	0.81	623	1,373	105.6	23,735	89.5	20,125	79.8	17,947	1349	53.10	5
	1065	42	0.76	0.99	685	1,508	105.6	23,735	89.5	20,125	79.8	17,947	1349	53.10	5
Ditching	1525	60	0.63	0.83	484	1,066	152.3	34,245	100.1	22,494	88.1	19,797	935	36.81	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.

180G LC

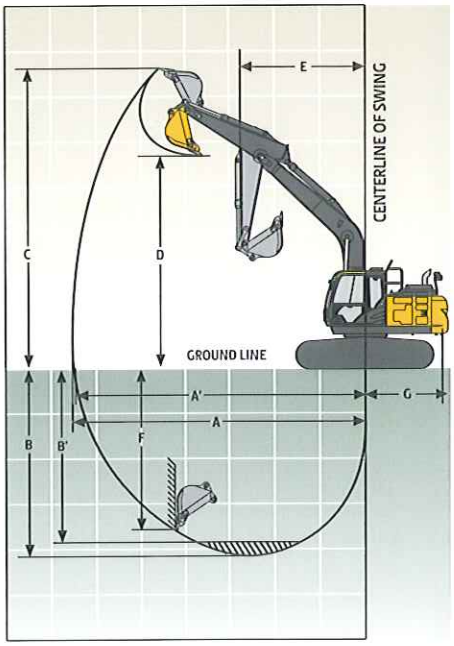
Engine	180G LC	
	Base engine for use in the U.S., U.S. Territories, and Canada	*Optional engine for use outside the U.S. and U.S. Territories*
Manufacturer and Model	John Deere PowerTech™ PWS 4.5 L	John Deere 4045H
Non-Road Emission Standard	EPA Final Tier 4/EU Stage IV	EPA Tier 3/EU Stage IIIA
Net Rated Power (ISO 9249)	95 kW (128 hp) at 2,200 rpm	90 kW (121 hp) at 1,900 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	Series 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	3.4 km/h (2.1 mph)	
High	5.3 km/h (3.3 mph)	
Drawbar Pull	20 700 kg (45,636 lb.)	
Hydraulics		
Open center, load sensing		
Main Pumps	2 variable-displacement axial-piston pumps	
Maximum Rated Flow	191 L/m (50.5 gpm) x 2	
Pilot Pump	1 gear	
Maximum Rated Flow	33.6 L/m (8.9 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	34 336 kPa (4,980 psi)	
Power Boost	38 000 kPa (5,511 psi)	
Controls	Pilot levers, short stroke, low-effort hydraulic pilot controls with shutoff lever	

Cylinders	*Bore*	*Rod Diameter*	*Stroke*
Boom (2)	120 mm (4.72 in.)	85 mm (3.35 in.)	1123 mm (44.21 in.)
Arm (1)	125 mm (4.92 in.)	90 mm (3.54 in.)	1371 mm (53.98 in.)
Bucket (1)	105 mm (4.13 in.)	75 mm (2.95 in.)	1060 mm (41.73 in.)

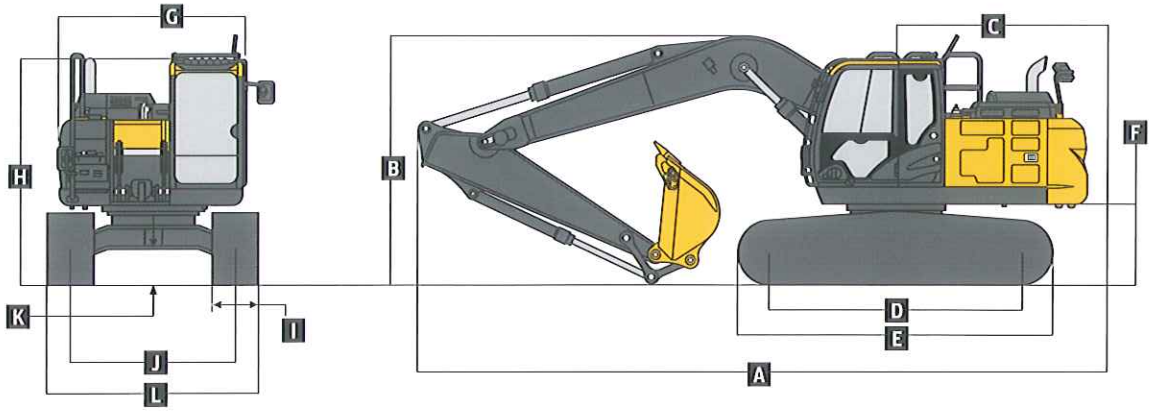
Electrical	
Number of Batteries (12 volt)	2
Battery Capacity	750 CCA
Alternator Rating	100 amp
Work Lights	2 halogen (1 mounted on boom, 1 on frame)
Undercarriage	
Rollers (per side)	
Carrier	2
Track	7
Shoes (per side)	46
Track	
Adjustment	Hydraulic
Guides	Center
Chain	Sealed and lubricated
Ground Pressure	
Triple Semi-Grouser Shoes	
600 mm (24 in.)	41 kPa (5.95 psi)
700 mm (28 in.)	36 kPa (5.22 psi)
800 mm (32 in.)	32 kPa (4.64 psi)

Swing Mechanism	180G LC
Speed	12.8 rpm
Torque	49 000 Nm (36,029 lb.-ft.)
Serviceability	
Refill Capacities	
Fuel Tank	285 L (75.3 gal.)
Cooling System	23.5 L (24.8 qt.)
Engine Oil with Filter	17.0 L (18.0 qt.)
Hydraulic Tank	125 L (33.0 gal.)
Hydraulic System	220 L (58.1 gal.)
Gearbox	
Swing	6.9 L (7.3 qt.)
Propel (each)	6.8 L (7.2 qt.)
Pump Drive	0.9 L (1.0 qt.)
Diesel Exhaust Fluid (DEF) Tank	26.7 L (28.2 qt.)
Operating Weights	
With full fuel tank; 79-kg (175 lb.) operator; 1067-mm (42 in.), 0.93-m³ (1.31 cu. yd.), 666-kg (1,468 lb.) general-purpose bucket; 3.21-m (10 ft. 6 in.) arm; 3900-kg (8,598 lb.) counterweight; and 800-mm (32 in.) triple semi-grouser shoes	
Operating Weight	20 507 kg (45,170 lb.)
Optional Components	
Undercarriage with Triple Semi-Grouser Shoes	
600 mm (24 in.)	6752 kg (14,873 lb.)
700 mm (28 in.)	7143 kg (15,733 lb.)
800 mm (32 in.)	7437 kg (16,381 lb.)
1-Piece Boom (with arm cylinder)	1566 kg (3,449 lb.)
Arm with Bucket Cylinder and Linkage	
2.71 m (8 ft. 10 in.)	881 kg (1,941 lb.)
3.21 m (10 ft. 6 in.)	946 kg (2,084 lb.)
Boom-Lift Cylinders (2), Total Weight	326 kg (718 lb.)

Operating Dimensions			
Arm Length		*2.71 m (8 ft. 10 in.)*	*3.21 m (10 ft. 6 in.)*
Arm Digging Force			
SAE		91 kN (20,496 lb.)	81 kN (18,240 lb.)
ISO		95 kN (21,282 lb.)	84 kN (18,825 lb.)
Bucket Digging Force			
SAE		113 kN (25,311 lb.)	113 kN (25,311 lb.)
ISO		126 kN (28,244 lb.)	126 kN (28,244 lb.)
A	Maximum Reach	9.43 m (30 ft. 11 in.)	9.94 m (32 ft. 7 in.)
A'	Maximum Reach at Ground Level	9.27 m (30 ft. 5 in.)	9.79 m (32 ft. 1 in.)
B	Maximum Digging Depth	6.57 m (21 ft. 7 in.)	7.07 m (23 ft. 2 in.)
B'	Maximum Digging Depth at 2.44-m (8 ft. 0 in.) Flat Bottom	6.32 m (20 ft. 9 in.)	6.87 m (22 ft. 6 in.)
C	Maximum Cutting Height	9.40 m (30 ft. 10 in.)	9.79 m (32 ft. 1 in.)
D	Maximum Dumping Height	6.57 m (21 ft. 7 in.)	6.93 m (22 ft. 9 in.)
E	Minimum Swing Radius	3.13 m (10 ft. 3 in.)	3.13 m (10 ft. 3 in.)
F	Maximum Vertical Wall	5.55 m (18 ft. 3 in.)	6.28 m (20 ft. 7 in.)
G	Tail-Swing Radius	2.55 m (8 ft. 4 in.)	2.55 m (8 ft. 4 in.)



Machine Dimensions		180G LC	
Arm Length		*2.71 m (8 ft. 10 in.)*	*3.21 m (10 ft. 6 in.)*
A	Overall Length with Arm	9.04 m (29 ft. 8 in.)	9.04 m (29 ft. 8 in.)
B	Overall Height with Arm	3.08 m (10 ft. 1 in.)	3.39 m (11 ft. 1 in.)
C	Rear-End Length/Swing Radius	2.55 m (8 ft. 4 in.)	
D	Distance Between Idler/Sprocket Centerline	3.37 m (11 ft. 1 in.)	
E	Undercarriage Length	4.17 m (13 ft. 8 in.)	
F	Counterweight Clearance	1030 mm (3 ft. 5 in.)	
G	Upperstructure Width	2.50 m (8 ft. 2 in.)	
H	Cab Height	2.95 m (9 ft. 8 in.)	
I	Track Width with Triple Semi-Grouser Shoes	600 mm (24 in.) / 700 mm (28 in.) / 800 mm (32 in.)	
J	Gauge Width	2.20 m (7 ft. 3 in.)	
K	Ground Clearance	450 mm (17.7 in.)	
L	Overall Width with Triple Semi-Grouser Shoes		
	600 mm (24 in.)	2.80 m (9 ft. 2 in.)	
	700 mm (28 in.)	2.90 m (9 ft. 6 in.)	
	800 mm (32 in.)	3.00 m (9 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 666-kg (1,468 lb.) bucket, 3900-kg (5,598 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									
	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.)	
LOAD POINT HEIGHT	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 2.71-m (8 ft. 10 in.) arm and 700-mm (28 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							**3950 (8,700)**	3900 (8,400)		
4.5 m (15 ft.)					**4800 (10,400)**	**4800 (10,400)**	**4350 (9,450)**	3800 (8,200)		
3.0 m (10 ft.)					**6500 (14,000)**	5750 (12,450)	**5100 (11,050)**	3650 (7,800)	4000 **(8,550)**	2450 (5,300)
1.5 m (5 ft.)					**8150 (17,600)**	5350 (11,550)	5600 (12,050)	3450 (7,400)	3900 (8,400)	2400 (5,100)
Ground Line			**4300 (10,050)**	**4300 (10,050)**	8750 (18,800)	5150 (11,050)	5450 (11,750)	3300 (7,100)	3850 (8,250)	2300 (5,000)
–1.5 m (–5 ft.)	**4600 (10,400)**	**4600 (10,400)**	**8250 (18,880)**	**8250 (18,880)**	8700 (18,650)	5050 (10,900)	5400 (11,600)	3250 (7,000)		
–3.0 m (–10 ft.)	**8750 (19,750)**	**8750 (19,750)**	**12 750 (27,600)**	10 150 (21,750)	**8700** (18,750)	5100 (11,000)	5450 (11,700)	3300 (7,100)		
–4.5 m (–15 ft.)			**10 100 (21,650)**	**10 100 (21,650)**	**6900 (14,500)**	5300 (11,500)				
With 3.21-m (10 ft. 6 in.) arm and 600-mm (24 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							**3420 (7,550)**	**3420 (7,550)**		
4.5 m (15 ft.)							**3870 (8,450)**	3800 (8,160)	**3290 (6,700)**	2510 (5,370)
3.0 m (10 ft.)			**8920 (18,930)**	**8920 (18,930)**	**5810 (12,500)**	5790 (12,480)	**4680 (10,150)**	3610 (7,760)	3930 (8,440)	2430 (5,200)
1.5 m (5 ft.)					**7610 (16,410)**	5340 (11,510)	5540 (11,900)	3400 (7,310)	3820 (8,210)	2330 (4,990)
Ground Line			**4650 (10,760)**	**4650 (10,760)**	8620 (18,500)	5050 (10,870)	5350 (11,510)	3230 (6,960)	3730 (8,020)	2240 (4,820)
–1.5 m (–5 ft.)	**3930 (8,830)**	**3930 (8,830)**	**7390 (16,860)**	**7390 (16,860)**	8480 (18,190)	4930 (10,600)	5260 (11,300)	3150 (6,770)	3690 (7,940)	2210 (4,740)
–3.0 m (–10 ft.)	**7200 (16,210)**	**7200 (16,210)**	**11 700 (26,760)**	9800 (21,010)	8500 (18,230)	4940 (10,640)	5260 (11,320)	3150 (6,790)		
–4.5 m (–15 ft.)	**11 630** (26,400)	**11 630 (26,400)**	**11 300 (24,250)**	10 080 (21,630)	**7670 (16,400)**	5090 (10,970)				

Lift Capacities *(continued)* 180G LC

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 666-kg (1,468 lb.) bucket, 3900-kg (5,598 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).

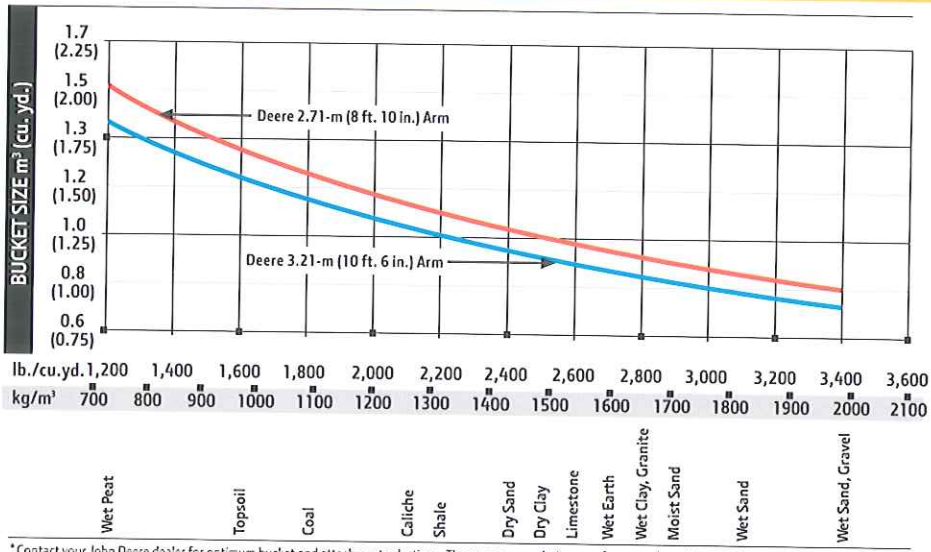
	HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION									
	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)	
LOAD POINT HEIGHT	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 3.21-m (10 ft. 6 in.) arm and 700-mm (28 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							**3420 (7,550)**	**3420 (7,550)**		
4.5 m (15 ft.)							**3870 (8,450)**	3870 (8,310)	**3290 (6,700)**	2560 (5,480)
3.0 m (10 ft.)			**8920 (18,930)**	**8920 (18,930)**	**5810 (12,500)**	**5810 (12,500)**	**4680 (10,150)**	3680 (7,910)	4010 (8,610)	2480 (5,320)
1.5 m (5 ft.)					**7610 (16,410)**	5440 (11,730)	**5580 (12,080)**	3470 (7,460)	3900 (8,380)	2380 (5,100)
Ground Line			**4650 (10,760)**	**4650 (10,760)**	8790 (18,850)	5150 (11,080)	5460 (11,740)	3300 (7,100)	3810 (8,190)	2300 (4,930)
–1.5 m (–5 ft.)	**3930 (8,830)**	**3930 (8,830)**	**7390 (16,860)**	**7390 (16,860)**	8650 (18,550)	5030 (10,820)	5370 (11,530)	3220 (6,920)	3770 (8,110)	2260 (4,850)
–3.0 m (–10 ft.)	**7200 (16,210)**	**7200 (16,210)**	**11 700 (26,760)**	9980 (21,400)	8660 (18,580)	5040 (10,850)	5370 (11,550)	3220 (6,930)		
–4.5 m (–15 ft.)	**11 630 (26,400)**	**11 630 (26,400)**	**11 300 (24,250)**	10 260 (22,020)	**7670 (16,400)**	5190 (11,180)				
With 3.21-m (10 ft. 6 in.) arm and 800-mm (32 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							**3420 (7,550)**	**3420 (7,550)**		
4.5 m (15 ft.)							**3870 (8,450)**	**3870** (8,420)	**3290 (6,700)**	2600 (5,570)
3.0 m (10 ft.)			**8920 (18,930)**	**8920 (18,930)**	**5810 (12,500)**	**5810 (12,500)**	**4680 (10,150)**	3730 (8,020)	4070 (8,740)	2520 (5,400)
1.5 m (5 ft.)					**7610 (16,410)**	5520 (11,890)	**5580 (12,080)**	3520 (7,570)	3960 (8,510)	2420 (5,190)
Ground Line			**4650 (10,760)**	**4650 (10,760)**	**8830 (19,090)**	5220 (11,240)	5540 (11,910)	3350 (7,210)	3870 (8,320)	2340 (5,010)
–1.5 m (–5 ft.)	**3930 (8,830)**	**3930 (8,830)**	**7390 (16,860)**	**7390 (16,860)**	8770 (18,810)	5100 (10,980)	5450 (11,710)	3270 (7,030)	3830 (8,240)	2300 (4,940)
–3.0 m (–10 ft.)	**7200 (16,210)**	**7200 (16,210)**	**11 700 (26,760)**	10 120 (21,690)	8790 (18,850)	5120 (11,010)	5450 (11,730)	3270 (7,040)		
–4.5 m (–15 ft.)	**11 630 (26,400)**	**11 630 (26,400)**	**11 300 (24,250)**	10 390 (22,310)	**7670 (16,400)**	5260 (11,340)				

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 (SAE)		Arm Dig Force 2.71 m (8 ft. 10 in.)		Arm Dig Force 3.21 m (10 ft. 6 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	760	30	0.54	0.71	622	1,369	112.7	25,329	91.1	20,489	81.4	18,293	1463	57.61	4
	915	36	0.69	0.90	708	1,559	112.7	25,329	91.1	20,489	81.4	18,293	1463	57.61	5
	1065	42	0.83	1.09	786	1,731	112.7	25,329	91.1	20,489	81.4	18,293	1463	57.61	5
	1220	48	0.99	1.29	872	1,921	112.7	25,329	91.1	20,489	81.4	18,293	1463	57.61	6
Heavy Duty High Capacity	915	36	0.74	0.97	809	1,782	111.9	25,156	90.9	20,440	81.2	18,252	1473	58.0	5
	1065	42	0.91	1.19	886	1,951	111.9	25,156	90.9	20,440	81.2	18,252	1473	58.0	5

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.

160G LC	180G LC	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 guides, front idler and center
●	●	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.)
	▲	Triple semi-grouser shoes, 800 mm (32 in.)

160G LC	180G LC	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, 2.60 m (8 ft. 6 in.)
	▲	Arm, 2.71 m (8 ft. 10 in.)
▲		Arm, 3.10 m (10 ft. 2 in.)
	▲	Arm, 3.21 m (10 ft. 6 in.)
▲	▲	Attachment quick-couplers
▲	▲	Boom cylinder with plumbing to main-frame 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)

160G LC	180G LC	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, 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 / 1 mounted on boom / 1 mounted on frame
▲	▲	2 lights mounted on cab / 1 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 units with full fuel tanks and 79-kg (175 lb.) operators; a 160G LC unit with 914-mm (36 in.), 0.60-m³ (0.78 cu. yd.), 528-kg (1,164 lb.) general-purpose bucket, 3.10-m (10 ft. 2 in.) arm, 3200-kg (7,055 lb.) counterweight; and 700-mm (28 in.) triple semi-grouser shoes; and a 180G LC unit with 1067-mm (42 in.), 0.93-m³ (1.31 cu. yd.), 666-kg (1,468 lb.) general-purpose bucket, 3.21-m (10 ft. 6 in.) arm, 3900-kg (8,598 lb.) counterweight, and 800-mm (32 in.) triple semi-grouser shoes.

JohnDeere.com

DKAX160180G Litho in U.S.A. (15-10)

210G/210G LC

22 451–23 560 kg (49,496–51,940 lb.) Operating Weight

JOHN DEERE

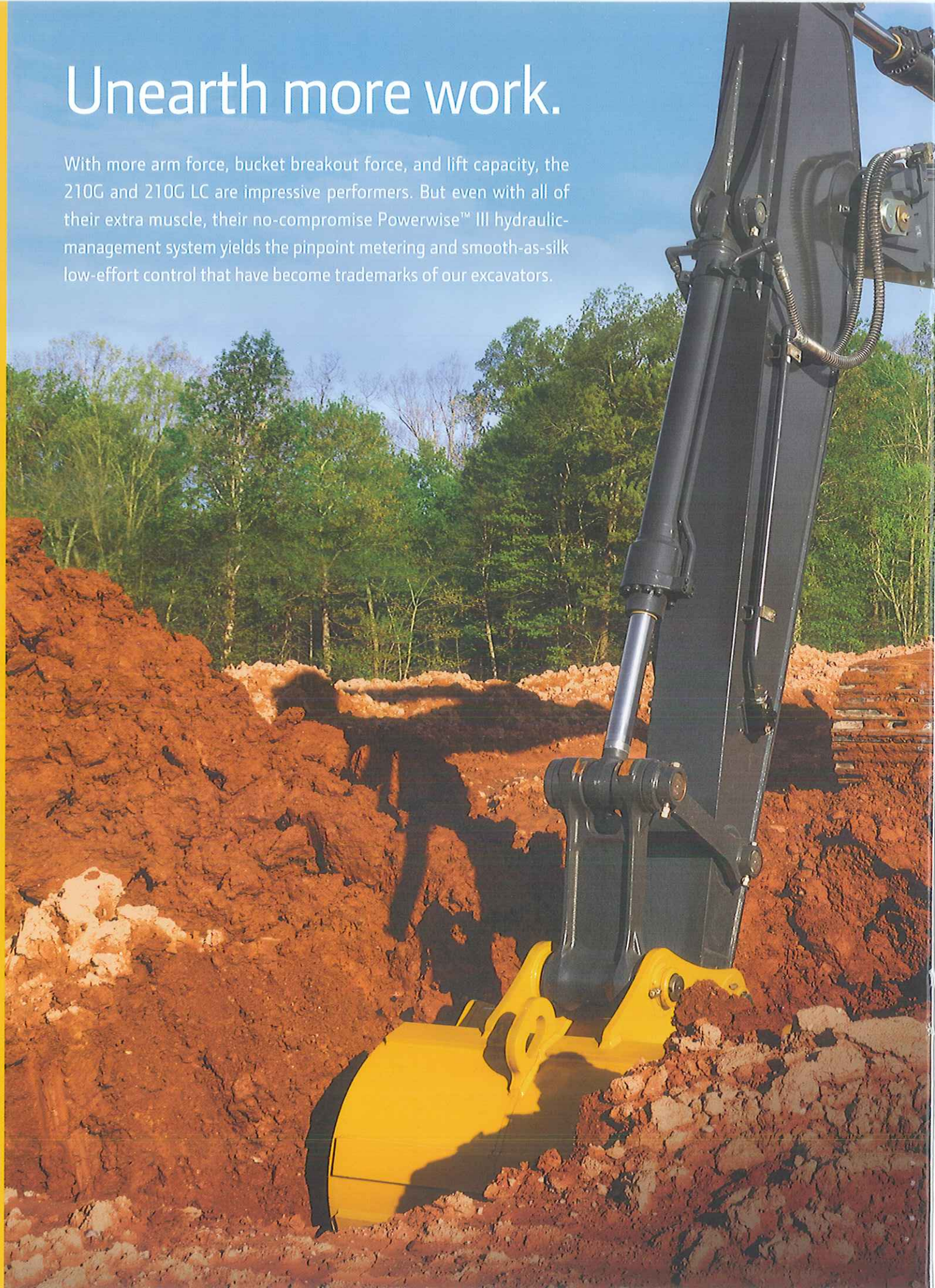
Cover all the angles.

Whether you use them to excavate footings, load trucks, set stone, place pipe, or whatever, you'll get more done with a 210G or 210G LC. Rugged EPA Final Tier 4 (FT4)/EU Stage IV PowerTech™ diesel engines meet rigid emission regulations, enabling you to work, wherever there's work — without compromising power, reliability, or ease of operation. Direct greasing to the bushings and a round hydraulic-oil tank for even distribution help keep you running smooth. Upper-structure handrails and slip-resistant surfaces help maintain a solid footing. These are just some of the ways these able excavators have you covered.

	210G	210G LC
Net rated power	119 kW (159 hp)	119 kW (159 hp)
Operating weight	23 090 kg (50,905 lb.)	23 560 kg (51,940 lb.)
Maximum digging depth	6.67 m (21 ft. 11 in.)	6.67 m (21 ft. 11 in.)
Arm digging force	114 kN (25,628 lb.)	114 kN (25,628 lb.)
Bucket digging force	158 kN (35,520 lb.)	158 kN (35,520 lb.)

Unearth more work.

With more arm force, bucket breakout force, and lift capacity, the 210G and 210G LC are impressive performers. But even with all of their extra muscle, their no-compromise Powerwise™ III hydraulic-management system yields the pinpoint metering and smooth-as-silk low-effort control that have become trademarks of our excavators.



Additional hydraulic capability a necessity? Two factory-installed high-pressure, high-flow auxiliary packages enable you to meet the need.

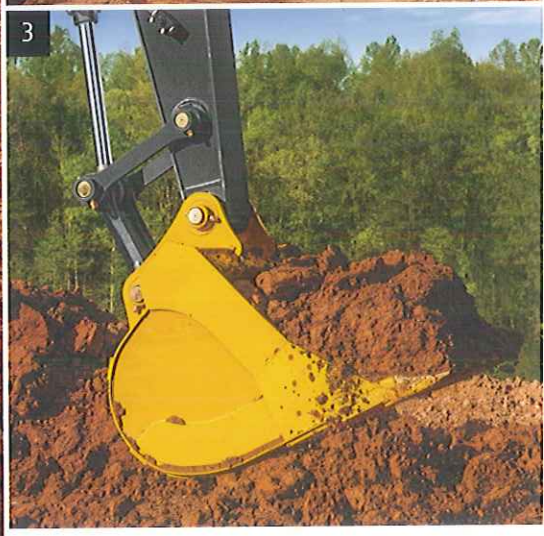
For work that requires extra finesse, short-throw low-effort controls, unmatched metering, and smooth multifunction operation give the precision you need.

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.

1

2

3



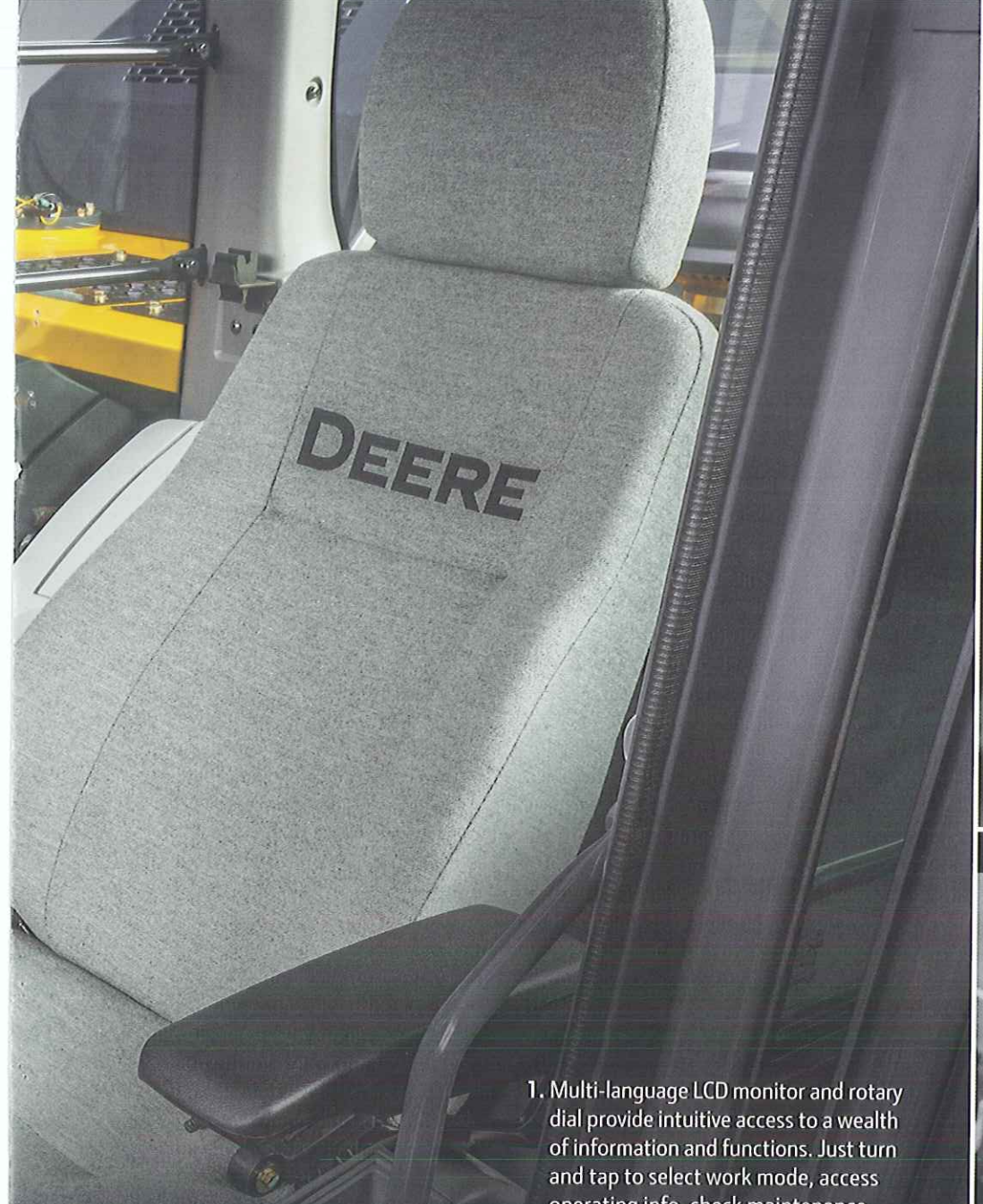
1. Standard TK-Series bucket teeth are engineered for maximum strength and impact absorption. Hammer-free installation and removal simplifies changes, minimizes downtime.

2. When the digging gets tough, simply press the power-boost button on the right-hand control and muscle through.

3. Choose from a variety of buckets, track widths, arm lengths, and other options.

Get in touch with your productive side.

Now it's easier than ever for your operators to "dial things up." The refined monitor employs a rotary control that makes it quick and easy to tap into an abundance of performance and convenience functions and features. Operators will also appreciate the quiet and spacious cab, virtually unobstructed all-around visibility, and numerous other amenities that provide everything your operators need to do their best work.



New hood design ensures optimal visibility to the sides and rear, even with the increased under-the-hood space requirements of EPA Final Tier 4 (FT4)/EU Stage IV components.

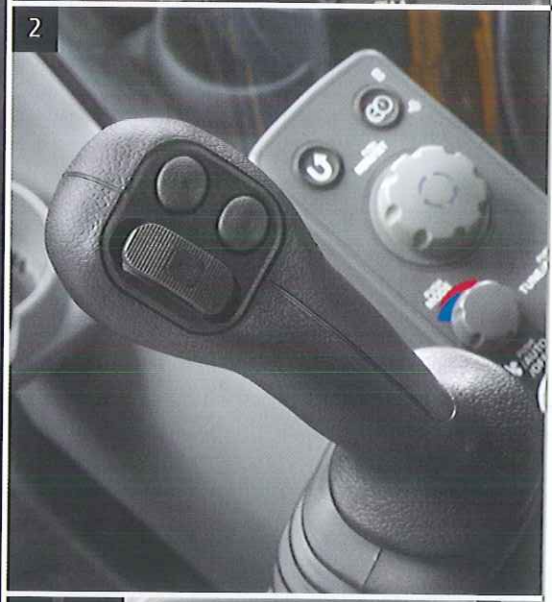
We've got your back with a sculpted mechanical-suspension high-back seat. Seat has 318 mm (12½ in.) of travel, sliding together or independent of the joystick console. So it won't cramp an operator's style. For even more support and comfort, opt for the air-suspension heated seat.

Available boom and cab lights illuminate the way when your workday extends beyond daylight hours (left-side boom light is standard).

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. Ergonomically correct short-throw pilot levers provide smooth, predictable 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.

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



Nothing runs like a Deere, because nothing is built like one.

Unlike some excavators that scream for attention, the hydraulically driven on-demand fans in our G-Series run only as fast as needed, for reduced noise and fuel consumption. Their highly efficient cooling systems keep things running cool, even in high-trash environments and high altitudes. When you know how they're built, you'll run a Deere.

A John Deere exclusive, three welded bulkheads within the boom resist torsional stress for unsurpassed durability. Booms, arms, and mainframes are so tough, they're warranted for three years or 10,000 hours.

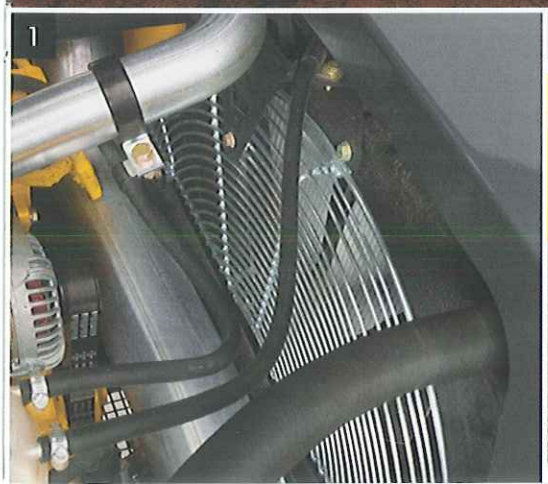
Optional grade-reference system includes sensor mounts to help speed installation, eliminating the need to grind, weld, and repaint. Our "open-architecture" design allows you to employ your favorite brand of grade-control system to help maximize productivity and uptime while lowering daily operating costs.

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 field-proven 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).

1. Highly efficient hydraulically driven fans run only as fast as needed, reducing noise, fuel consumption, and operating costs. Reversing option automatically back-blows cooler cores to keep them clean.

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

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



Uncover all the ways we keep costs down.

Like all John Deere machines, G-Series Excavators are loaded with features that make them hassle free to service and low cost to maintain.

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.

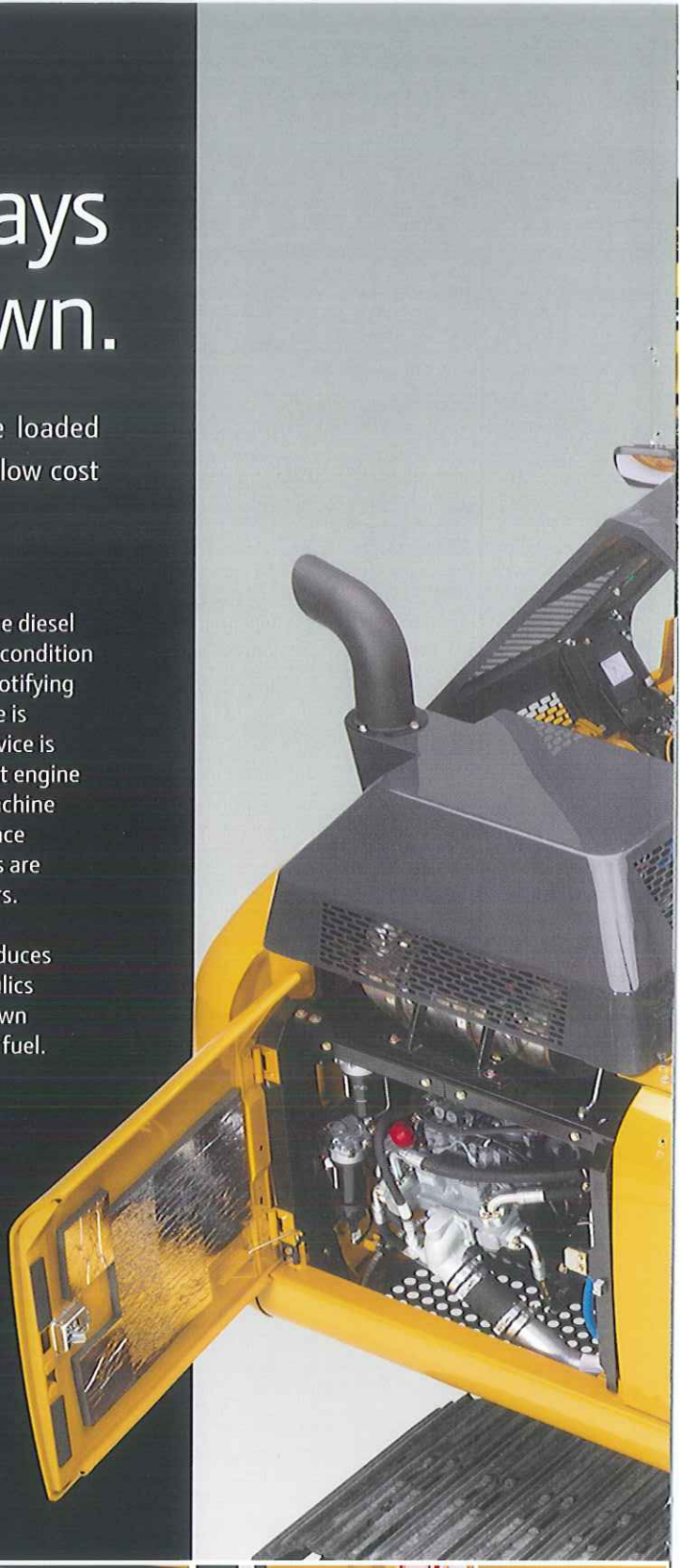
2. Diesel exhaust fluid (DEF) can be conveniently filled when refueling due to its large and accessible tank. DEF overflow routes excess outside the machine to avoid paint damage.

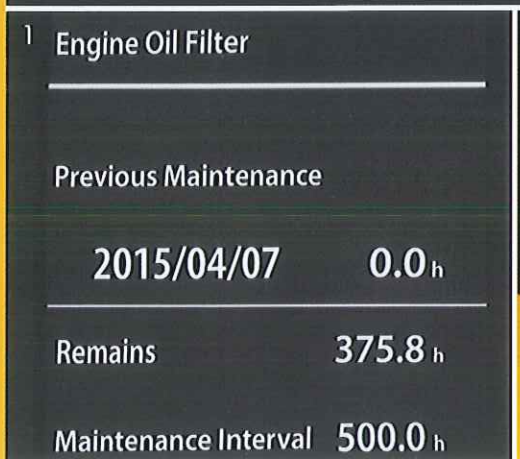
3. Large fuel tanks and 500- and 5,000-hour engine and hydraulic oil-service intervals decrease downtime for routine maintenance. Fluid-level sight gauges are conveniently located and can be checked at a glance.

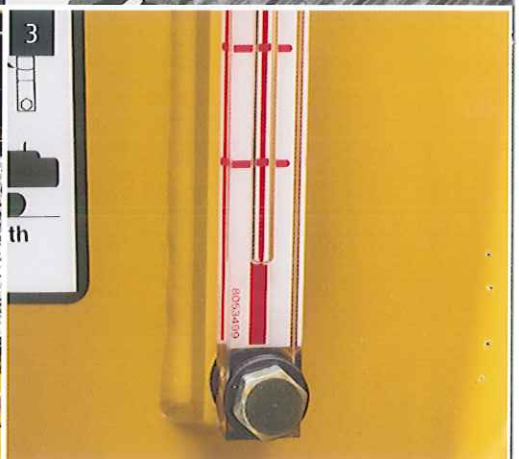
4. Vertical spin-on fuel and engine oil filters are positioned in the right rear compartment for simplified ground-level servicing.

5. 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 components are warranted for 10,000 hours.

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

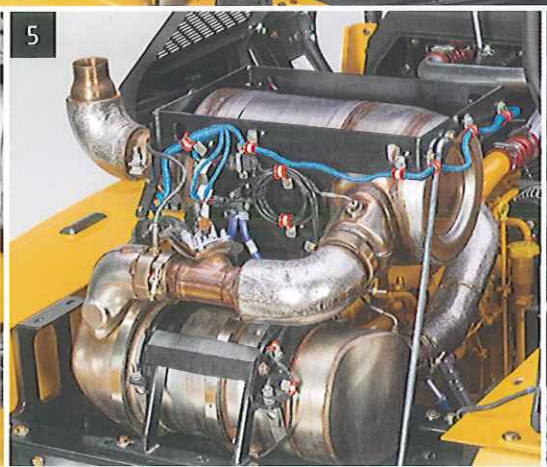






Ultimate Uptime, featuring John Deere WorkSight™, is a customizable support solution available exclusively from your Deere dealer. This flexible offering maximizes equipment availability with standard John Deere WorkSight capabilities that can help prevent future downtime and speed repairs when needed. 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.

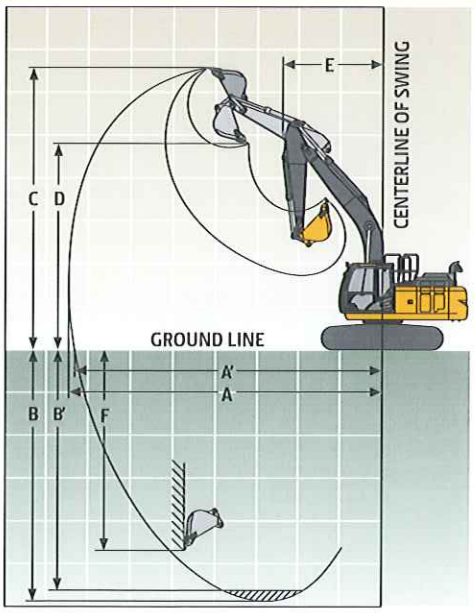
John Deere WorkSight is an exclusive suite of telematics solutions that increases uptime while lowering operating costs. At its heart, JDLink™ Ultimate machine monitoring provides real-time data and health prognostics to suggest maintenance solutions that decrease costly downtime. Remote diagnostics enable your dealer to read codes, record performance data, and even update software without a trip to the jobsite.



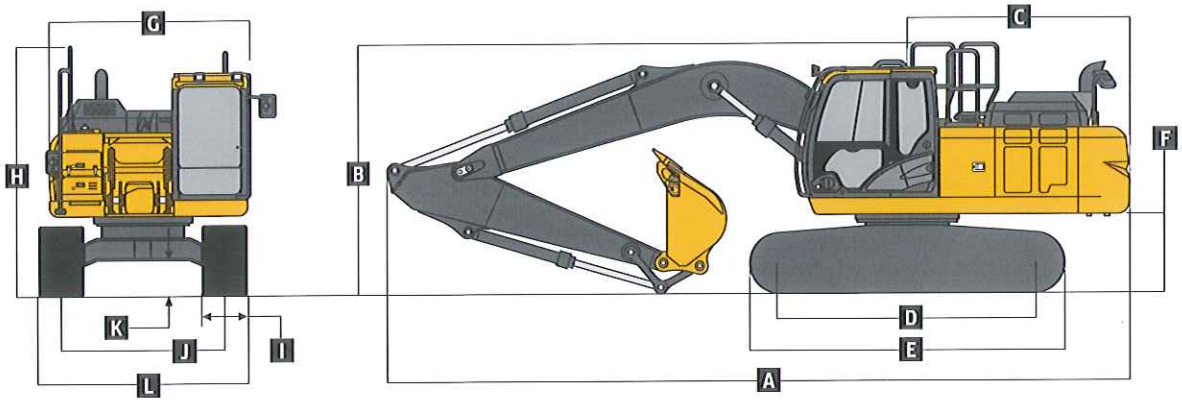
210G / 210G LC

Engine	210G / 210G LC		
	Base engine for use in U.S., U.S. Territories, and Canada		
Manufacturer and Model	John Deere PowerTech™ PVS 6.8L 6068HT106		
Non-Road Emission Standard	EPA Final Tier 4/EU Stage IV		
Net Rated Power (ISO 9249)	119 kW (159 hp) at 2,000 rpm		
Cylinders	6		
Displacement	6.8L (415 cu. in.)		
Off-Level Capacity	70% (35 deg.)		
Aspiration	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	3.5 km/h (2.2 mph)		
High	5.5 km/h (3.4 mph)		
Drawbar Pull (turtle mode)	20 700 kg (45,636 lb.)		
Hydraulics			
Open center, load sensing			
Main Pumps	2 variable-displacement axial-piston pumps		
Maximum Rated Flow	212 L/m (56 gpm) x 2		
Pilot Pump	1 gear		
Maximum Rated Flow	30 L/m (7.9 gpm)		
Pressure Setting	4000 kPa (580 psi)		
System Operating Pressure			
Circuits			
Implement	34 300 kPa (4,975 psi)		
Travel	35 500 kPa (5,149 psi)		
Swing	33 300 kPa (4,830 psi)		
Power Boost	38 000 kPa (5,511 psi)		
Controls	Pilot levers, short stroke, low-effort hydraulic pilot controls with shutoff lever		
Cylinders			
	Bore	*Rod Diameter*	*Stroke*
Boom (2)	120 mm (4.7 in.)	85 mm (3.3 in.)	1260 mm (49.6 in.)
Arm (1)	135 mm (5.3 in.)	95 mm (3.7 in.)	1475 mm (58.1 in.)
Bucket (1)	115 mm (4.5 in.)	80 mm (3.1 in.)	1060 mm (41.7 in.)
Electrical			
Number of Batteries (12 volt)	2		
Battery Capacity	1,000 CCA		
Alternator Rating	100 amp		
Work Lights	2 halogen (1 mounted on left-hand side of boom, 1 on frame)		
Undercarriage			
Rollers (each side)			
Carrier	2		
Track	8		
Shoes, Triple Semi-Grousers (each side)	49		
Track			
Adjustment	Hydraulic		
Guides	Center		
Chain	Sealed and lubricated		
Ground Pressure	**210G**	**210G LC**	
Triple Semi-Grouser Shoes			
600 mm (24 in.)	48.8 kPa (7.08 psi)	44.4 kPa (6.44 psi)	
700 mm (28 in.)	42.5 kPa (6.16 psi)	39.3 kPa (5.71 psi)	
800 mm (32 in.)	37.7 kPa (5.47 psi)	34.4 kPa (4.99 psi)	

Swing Mechanism	210G / 210G LC	
Speed	13.3 rpm	
Torque	68 900 Nm (50,662 lb.-ft.)	
Serviceability		
Refill Capacities		
Fuel Tank	403 L (106.5 gal.)	
Cooling System	35.4 L (9.4 gal.)	
Engine Oil with Filter	20.8 L (5.5 gal.)	
Hydraulic Tank	135 L (35.7 gal.)	
Hydraulic System	240 L (63.4 gal.)	
Gearbox		
Swing	6.2 L (6.6 qt.)	
Propel (each)	7.8 L (8.2 qt.)	
Pump Drive	1 L (1.1 qt.)	
Diesel Exhaust Fluid (DEF) Tank	26.6 L (7.0 gal.)	
Operating Weights	**210G**	**210G LC**
With full fuel tank; 79-kg (175 lb.) operator; 1065-mm (42 in.), 0.91-m³ (1.19 cu. yd.), 886-kg (1,951 lb.) general-purpose bucket; 2.91-m (9 ft. 7 in.) arm; and 4250-kg (9,370 lb.) counterweight		
With Triple Semi-Grouser Shoes		
800 mm (32 in.)	23 090 kg (50,905 lb.)	23 560 kg (51,940 lb.)
700 mm (28 in.)	22 791 kg (50,246 lb.)	23 247 kg (51,251 lb.)
600 mm (24 in.)	22 451 kg (49,496 lb.)	22 857 kg (50,391 lb.)
Component Weights		
Undercarriage with Triple Semi-Grouser Shoes	*Standard*	*LC*
600 mm (24 in.)	6929 kg (15,262 lb.)	7335 kg (16,156 lb.)
700 mm (28 in.)	7269 kg (16,011 lb.)	7725 kg (17,015 lb.)
800 mm (32 in.)	7568 kg (16,670 lb.)	8038 kg (17,705 lb.)
1-Piece Boom (with arm cylinder)	1731 kg (3,813 lb.)	1731 kg (3,813 lb.)
Arm with Bucket Cylinder and Linkage		
2.42 m (7 ft. 3 in.)	935 kg (2,059 lb.)	935 kg (2,059 lb.)
2.91 m (9 ft. 7 in.)	1001 kg (2,205 lb.)	1001 kg (2,205 lb.)
Boom-Lift Cylinders (2), Total Weight	354 kg (780 lb.)	354 kg (780 lb.)
Counterweight, Standard	4250 kg (9,370 lb.)	4250 kg (9,370 lb.)
Operating Dimensions	**210G / 210G LC**	
Arm Length	*2.42 m (7 ft. 11 in.)*	*2.91m (9 ft. 7 in.)*
Arm Digging Force		
SAE	133 kN (29,900 lbf)	110 kN (24,729 lbf)
ISO	140 kN (31,473 lbf)	114 kN (25,628 lbf)
Bucket Digging Force		
SAE	141 kN (31,698 lbf)	141 kN (31,698 lbf)
ISO	158 kN (35,520 lbf)	158 kN (35,520 lbf)
A Maximum Reach	9.43 m (30 ft. 11 in.)	9.92 m (32 ft. 7 in.)
A¹ Maximum Reach at Ground Level	9.25 m (30 ft. 4 in.)	9.75 m (32 ft. 0 in.)
B Maximum Digging Depth	6.18 m (20 ft. 3 in.)	6.67 m (21 ft. 11 in.)
B¹ Maximum Digging Depth at 2.44-m (8 ft. 0 in.) Flat Bottom	5.95 m (19 ft. 6 in.)	6.50 m (21 ft. 4 in.)
C Maximum Cutting Height	9.67 m (31 ft. 9 in.)	10.04 m (32 ft. 11 in.)
D Maximum Dumping Height	6.83 m (22 ft. 5 in.)	7.18 m (23 ft. 7 in.)
E Minimum Swing Radius	3.18 m (10 ft. 5 in.)	3.18 m (10 ft. 5 in.)
F Maximum Vertical Wall	5.30 m (17 ft. 5 in.)	5.99 m (19 ft. 8 in)



Machine Dimensions	210G		210G LC	
Arm Length	*2.42 m (7 ft. 11 in.)*	*2.91 m (9 ft. 7 in.)*	*2.42 m (7 ft. 11 in.)*	*2.91 m (9 ft. 7 in.)*
A Overall Length	9.75 m (32 ft. 0 in.)	9.53 m (31 ft. 3 in.)	9.75 m (32 ft. 0 in.)	9.66 m (31 ft. 8 in.)
B Overall Height	3.18 m (10 ft. 5 in.)	3.01 m (9 ft. 11 in.)	3.18 m (10 ft. 5 in.)	3.01 m (9 ft. 11 in.)
C Rear-End Length/Swing Radius	2.89 m (9 ft. 6 in.)	2.89 m (9 ft. 6 in.)	2.89 m (9 ft. 6 in.)	2.89 m (9 ft. 6 in.)
D Distance Between Idler/Sprocket Centerline	3.35 m (11 ft. 0 in.)	3.35 m (11 ft. 0 in.)	3.66 m (12 ft. 0 in.)	3.66 m (12 ft. 0 in.)
E Undercarriage Length	4.17 m (13 ft. 8 in.)	4.17 m (13 ft. 8 in.)	4.47 m (14 ft. 8 in.)	4.47 m (14 ft. 8 in.)
F Counterweight Clearance	1030 mm (3 ft. 5 in.)	1030 mm (3 ft. 5 in.)	1030 mm (3 ft. 5 in.)	1030 mm (3 ft. 5 in.)
G Upperstructure Width	2.71 m (8 ft. 11 in.)	2.71 m (8 ft. 11 in.)	2.71 m (8 ft. 11 in.)	2.71 m (8 ft. 11 in.)
H Cab Height	2.95 m (9 ft. 8 in.)	2.95 m (9 ft. 8 in.)	2.95 m (9 ft. 8 in.)	2.95 m (9 ft. 8 in.)
I Track Width with Triple Semi-Grouser Shoes	600 mm (24 in.) / 700 mm (28 in.) / 800 mm (32 in.)		600 mm (24 in.) / 700 mm (28 in.) / 800 mm (32 in.)	
J Gauge Width	2.22 m (7 ft. 3 in.)	2.22 m (7 ft. 3 in.)	2.39 m (7 ft. 10 in.)	2.39 m (7 ft. 10 in.)
K Ground Clearance	450 mm (17.72 in.)	450 mm (17.72 in.)	450 mm (17.72 in.)	450 mm (17.72 in.)
L Overall Width with Triple Semi-Grouser Shoes				
600 mm (24 in.)	2.82 m (9 ft. 3 in.)	2.82 m (9 ft. 3 in.)	2.99 m (9 ft. 10 in.)	2.99 m (9 ft. 10 in.)
700 mm (28 in.)	2.92 m (9 ft. 7 in.)	2.92 m (9 ft. 7 in.)	3.09 m (10 ft. 2 in.)	3.09 m (10 ft. 2 in.)
800 mm (32 in.)	3.02 m (9 ft. 11 in.)	3.02 m (9 ft. 11 in.)	3.19 m (10 ft. 6 in.)	3.19 m (10 ft. 6 in.)



210G / 210G LC EXCAVATORS

210G 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 666-kg (1,468 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).

	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.)	
LOAD POINT HEIGHT	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 2.42-m (7 ft. 11 in.) arm and 800-mm (32 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							**5170**	4570		
							(11,380)	(9,800)		
4.5 m (15 ft.)					**6760**	**6760**	**5650**	4420		
			(20,290)	**(20,290)**	**(14,560)**	**(14,560)**	**(12,290)**	(9,510)		
3.0 m (10 ft.)					**8630**	6520	**6460**	4200	4620	2910
					(18,560)	(14,080)	**(13,990)**	(9,040)	(9,920)	(6,240)
1.5 m (5 ft.)					**10 140**	6100	6420	3990	4510	2810
					(21,880)	(13,150)	(13,810)	(8,590)	(9,710)	(6,050)
Ground Line					9980	5910	6270	3850	4450	2750
					(21,410)	(12,730)	(13,480)	(8,300)	(9,570)	(5,920)
–1.5 m (–5 ft.)			**9330**	**9330**	9950	5890	6230	3820		
			(21,390)	**(21,390)**	(21,360)	(12,680)	(13,400)	(8,220)		
–3.0 m (–10 ft.)			**12 640**	11 810	**9150**	6000	6320	3900		
			(27,400)		**(19,750)**	(12,910)	(13,620)	(8,420)		
–4.5 m (–15 ft.)					**6300**	**6280**				
					(13,030)	**(13,030)**				

Additional equipment

Key: ● Standard ▲ Optional or special

See your John Deere dealer for further information.

210G / 210G LC	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 guides, front idler and center
●	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.)
▲	Triple semi-grouser shoes, 800 mm (32 in.)

210G / 210G LC	Upperstructure
●	Right-hand, left-hand, and counterweight mirrors
●	Vandal locks with ignition key: Cab door / Service doors / Toolbox
●	Debris screen in side panel
●	Remote-mounted engine oil and fuel filters
●	Service handrails
	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, 2.42 m (7 ft. 11 in.)
▲	Arm, 2.91 m (9 ft. 7 in.)
▲	Attachment quick-couplers
▲	Boom cylinder with plumbing to mainframe for less boom and arm
▲	Buckets: Ditching / Heavy duty / Heavy-duty high capacity / Side cutters and teeth
▲	Material clamps
▲	Super-long fronts
	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)

210G / 210G LC	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, 51 mm (2 in.), retractable
●	Tinted glass
●	Transparent tinted overhead hatch
●	Hot/cold beverage compartment
▲	Air-suspension heated seat
▲	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 / 1 mounted under engine hood

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 units with 1065-mm (42 in.), 0.91-m³ (1.19 cu. yd.), 886-kg (1,951 lb.) general-purpose buckets; 2.91-m (9 ft. 7 in.) arms; 4250-kg (9,370 lb.) counterweights; 800-mm (32 in.) triple semi-grouser shoes; full fuel tanks; and 79-kg (175 lb.) operators.

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DKAX210G Litho in U.S.A. (15-06)

210G LC 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 666-kg (1,468 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).

	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.)	
LOAD POINT HEIGHT	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 2.42-m (7 ft. 11 in.) arm and 800-mm (32 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							**5170** **(11,380)**	5100 (10,950)		
4.5 m (15 ft.)			**(20,290)**	**(20,290)**	**6760** **(14,560)**	**6760** **(14,560)**	**5650** **(12,290)**	4950 (10,660)		
3.0 m (10 ft.)					**8630** **(18,560)**	7370 (15,890)	**6460** **(13,990)**	4730 (10,180)	5270 (11,330)	3290 (7,060)
1.5 m (5 ft.)					**10 140** **(21,880)**	6930 (14,930)	**7230** **(15,650)**	4510 (9,720)	5170 (11,110)	3190 (6,870)
Ground Line					**10 660** **(23,090)**	6740 (14,500)	7220 (15,520)	4380 (9,420)	5100 (10,970)	3130 (6,740)
–1.5 m (–5 ft.)			**9330** **(21,390)**	**9330** **(21,390)**	**10 330** **(22,390)**	6720 (14,450)	7180 (15,430)	4340 (9,350)		
–3.0 m (–10 ft.)			**12 640** **(27,400)**	**12 640** **(27,400)**	**9150** **(19,750)**	6820 (14,690)	**6580** **(14,030)**	4420 (9,550)		
–4.5 m (–15 ft.)					**6300** **(13,030)**	**6300**				
With 2.91-m (9 ft. 7 in.) arm and 600-mm (24 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							**4650** **(10,210)**	**4650** **(10,210)**		
4.5 m (15 ft.)					**6030** **(13,010)**	**6030** **(13,010)**	**5200** **(11,310)**	4870 (10,480)	**4820** **(10,560)**	3300 (7,070)
3.0 m (10 ft.)					**7950** **(17,100)**	7310 (15,750)	**6070** **(13,150)**	4630 (9,980)	5120 (11,000)	3200 (6,870)
1.5 m (5 ft.)					**9680** **(20,880)**	6810 (14,670)	**6940** **(15,030)**	4400 (9,470)	4990 (10,730)	3080 (6,630)
Ground Line			**4270** **(9,930)**	**4270** **(9,930)**	**10 540** **(22,810)**	6540 (14,080)	6980 (15,000)	4230 (9,110)	4900 (10,540)	3000 (6,450)
–1.5 m (–5 ft.)	**4900** **(11,010)**	**4900** **(11,010)**	**8520** **(19,440)**	**8520** **(19,440)**	**10 510** **(22,760)**	6470 (13,910)	6900 (14,830)	4160 (8,950)	4870 (10,490)	2970 (6,400)
–3.0 m (–10 ft.)	**9390** **(21,140)**	**9390** **(21,140)**	**13 810** **(29,920)**	13 120 (28,090)	**9650** **(20,840)**	6530 (14,050)	6940 (14,930)	4190 (9,040)		
–4.5 m (–15 ft.)			**10 680** **(22,820)**	**10 680** **(22,820)**	**7540** **(16,000)**	6740 (14,540)				
With 2.91-m (9 ft. 7 in.) arm and 700-mm (28 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							**4650** **(10,210)**	**4650** **(10,210)**		
4.5 m (15 ft.)					**6030** **(13,010)**	**6030** **(13,010)**	**5200** **(11,310)**	4950 (10,650)	**4820** **(10,560)**	3360 (7,210)
3.0 m (10 ft.)					**7950** **(17,100)**	7430 (16,010)	**6070** **(13,150)**	4720 (10,150)	**5180** (11,210)	3260 (7,000)
1.5 m (5 ft.)					**9680** **(20,880)**	6930 (14,930)	**6940** **(15,030)**	4480 (9,640)	5090 (10,950)	3150 (6,760)
Ground Line			**4270** **(9,930)**	**4270** **(9,930)**	**10 540** **(22,810)**	6660 (14,340)	7120 (15,300)	4310 (9,280)	5000 (10,750)	3060 (6,580)
–1.5 m (–5 ft.)	**4900** **(11,010)**	**4900** **(11,010)**	**8520** **(19,440)**	**8520** **(19,440)**	**10 510** **(22,760)**	6590 (14,170)	7040 (15,130)	4240 (9,130)	4970 (10,700)	3030 (6,530)
–3.0 m (–10 ft.)	**9390** **(21,140)**	**9390** **(21,140)**	**13 810** **(29,920)**	13 340 (28,570)	**9650** **(20,840)**	6650 (14,310)	**7010** **(15,070)**	4280 (9,220)		
–4.5 m (–15 ft.)			**10 680** **(22,820)**	**10 680** **(22,820)**	**7540** **(16,000)**	6860 (14,800)				

210G Lift Capacities *(continued)*

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 666-kg (1,468 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).

	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.)	
LOAD POINT HEIGHT	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 2.91-m (9 ft. 7 in.) arm and 600-mm (24 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							**4650 (10,210)**	4530 (9,720)		
4.5 m (15 ft.)					**6030 (13,010)**	**6030 (13,010)**	**5200 (11,310)**	4370 (9,400)	**4610** (9,890)	2940 (6,300)
3.0 m (10 ft.)					**7950 (17,100)**	6510 (14,040)	**6070 (13,150)**	4140 (8,910)	4500 (9,670)	2840 (6,100)
1.5 m (5 ft.)					**9680 (20,880)**	6030 (12,990)	**6270 (13,480)**	3910 (8,410)	4380 (9,420)	2730 (5,860)
Ground Line			**4270 (9,930)**	**4270 (9,930)**	9720 (20,860)	5770 (12,420)	6090 (13,090)	3740 (8,060)	4290 (9,220)	2640 (5,680)
–1.5 m (–5 ft.)	**4900 (11,010)**	**4900 (11,010)**	**8520 (19,440)**	**8520 (19,440)**	9630 (20,670)	5700 (12,250)	6010 (12,920)	3670 (7,910)	4260 (9,170)	2620 (5,640)
–3.0 m (–10 ft.)	**9390 (21,140)**	**9390 (21,140)**	**13 810 (29,920)**	11 360 (24,350)	**9650** (20,830)	5760 (12,390)	6050 (13,020)	3710 (7,990)		
–4.5 m (–15 ft.)			**10 680 (22,820)**	**10 680 (22,820)**	**7540 (16,000)**	5960 (12,860)				
With 2.91-m (9 ft. 7 in.) arm and 700-mm (28 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							**4650 (10,210)**	4600 (9,890)		
4.5 m (15 ft.)					**6030 (13,010)**	**6030 (13,010)**	**5200 (11,310)**	4450 (9,560)	4710 (10,090)	3000 (6,420)
3.0 m (10 ft.)					**7950 (17,100)**	6620 (14,280)	**6070 (13,150)**	4210 (9,070)	4600 (9,870)	2900 (6,220)
1.5 m (5 ft.)					**9680 (20,880)**	6140 (13,230)	6390 (13,750)	3980 (8,570)	4470 (9,620)	2790 (5,980)
Ground Line			**4270 (9,930)**	**4270 (9,930)**	9910 (21,270)	5880 (12,650)	6210 (13,360)	3820 (8,220)	4380 (9,420)	2700 (5,810)
–1.5 m (–5 ft.)	**4900 (11,010)**	**4900 (11,010)**	**8520 (19,440)**	**8520 (19,440)**	9830 (21,080)	5810 (12,490)	6130 (13,190)	3750 (8,070)	4350 (9,380)	2680 (5,760)
–3.0 m (–10 ft.)	**9390 (21,140)**	**9390 (21,140)**	**13 810 (29,920)**	11 560 (24,780)	**9650 (20,840)**	5870 (12,620)	6170 (13,290)	3780 (8,150)		
–4.5 m (–15 ft.)			**10 680 (22,820)**	**10 680 (22,820)**	**7540 (16,000)**	6070 (13,100)				
With 2.91-m (9 ft. 7 in.) arm and 800-mm (32 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							**4650 (10,210)**	4640 (9,960)		
4.5 m (15 ft.)					**6030 (13,010)**	**6030 (13,010)**	**5200 (11,310)**	4480 (9,640)	4750 (10,190)	3020 (6,480)
3.0 m (10 ft.)					**7950 (17,100)**	6670 (14,380)	**6070 (13,150)**	4250 (9,140)	4640 (9,970)	2920 (6,280)
1.5 m (5 ft.)					**9680 (20,880)**	6180 (13,330)	6450 (13,880)	4010 (8,640)	4520 (9,710)	2810 (6,040)
Ground Line			**4270 (9,930)**	**4270 (9,930)**	10 000 (21,460)	5920 (12,760)	6270 (13,480)	3850 (8,290)	4420 (9,520)	2730 (5,860)
–1.5 m (–5 ft.)	**4900 (11,010)**	**4900 (11,010)**	**8520 (19,440)**	**8520 (19,440)**	9910 (21,270)	5850 (12,590)	6190 (13,320)	3780 (8,140)	4400 (9,470)	2700 (5,820)
–3.0 m (–10 ft.)	**9390 (21,140)**	**9390 (21,140)**	**13 810 (29,920)**	11 650 (24,970)	**9650 (20,840)**	5910 (12,730)	6230 (13,410)	3820 (8,220)		
–4.5 m (–15 ft.)			**10 680 (22,820)**	**10 680 (22,820)**	**7540 (16,000)**	6120 (13,200)				

210G LC Lift Capacities *(continued)*

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 666-kg (1,468 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).

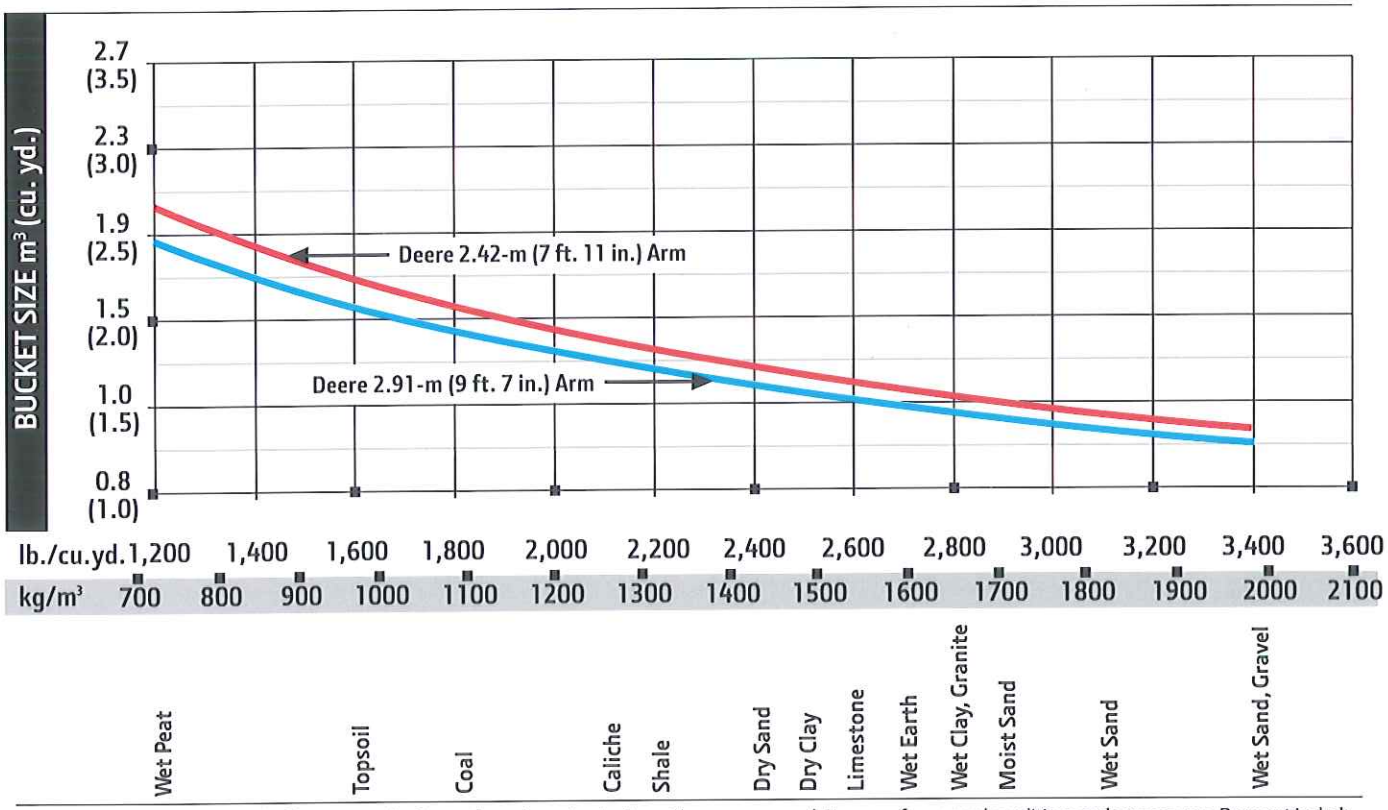
	HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION									
	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)	
LOAD POINT HEIGHT	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 2.91-m (9 ft. 7 in.) arm and 800-mm (32 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							**4650 (10,210)**	**4650 (10,210)**		
4.5 m (15 ft.)					**6030 (13,010)**	**6030 (13,010)**	**5200 (11,310)**	5010 (10,790)	**4820 (10,560)**	3410 (7,310)
3.0 m (10 ft.)					**7950 (17,100)**	7520 (16,200)	**6070 (13,150)**	4780 (10,290)	**5180 (11,290)**	3310 (7,100)
1.5 m (5 ft.)					**9680 (20,880)**	7020 (15,120)	**6940 (15,030)**	4540 (9,780)	5170 (11,110)	3190 (6,860)
Ground Line			**4270 (9,930)**	**4270 (9,930)**	**10 540 (22,810)**	6750 (14,530)	7220 (15,520)	4370 (9,410)	5080 (10,920)	3110 (6,680)
–1.5 m (–5 ft.)	**4900 (11,010)**	**4900 (11,010)**	**8520 (19,440)**	**8520 (19,440)**	**15 100 (22,760)**	6680 (14,360)	7140 (15,350)	4300 (9,260)	5050 (10,870)	3080 (6,630)
–3.0 m (–10 ft.)	**9390 (21,140)**	**9390 (21,140)**	**13 810 (29,920)**	13 510 (28,930)	**9650 (20,840)**	6740 (14,500)	**7010 (15,070)**	4340 (9,350)		
–4.5 m (–15 ft.)			**10 680 (22,820)**	**10 680 (22,820)**	**7540 (16,000)**	6950 (14,990)				

Buckets — 210G / 210G LC

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 2.42 m (7 ft. 11 in.)		Arm Dig Force 2.91 m (9 ft. 7 in.)		Bucket Tip Radius		Number of Teeth
	mm	in.	m^3	cu. yd.	kg	lb.	kN	lbf	kN	lbf	kN	lbf	mm	in.	
Heavy Duty	914	36	0.69	0.90	704	1,551	164.4	36,948	141.1	31,712	115.1	25,869	1422	56	5
	1067	42	0.83	1.09	768	1,692	164.4	36,948	141.1	31,712	115.1	25,869	1422	56	5
	1219	48	0.99	1.29	850	1,873	164.4	36,948	141.1	31,712	115.1	25,869	1422	56	6
Heavy Duty High Capacity	610	24	0.43	0.56	660	1,453	161.5	36,300	140.1	31,504	114.4	25,719	1448	57	4
	760	30	0.58	0.76	723	1,593	161.5	36,300	140.1	31,504	114.4	25,719	1448	57	4
	914	36	0.74	0.97	829	1,825	161.5	36,300	140.1	31,504	114.4	25,719	1448	57	5
	1067	42	0.91	1.19	924	2,035	161.5	36,300	140.1	31,504	114.4	25,719	1448	57	5

Bucket Selection Guide* — 210G / 210G LC



*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.

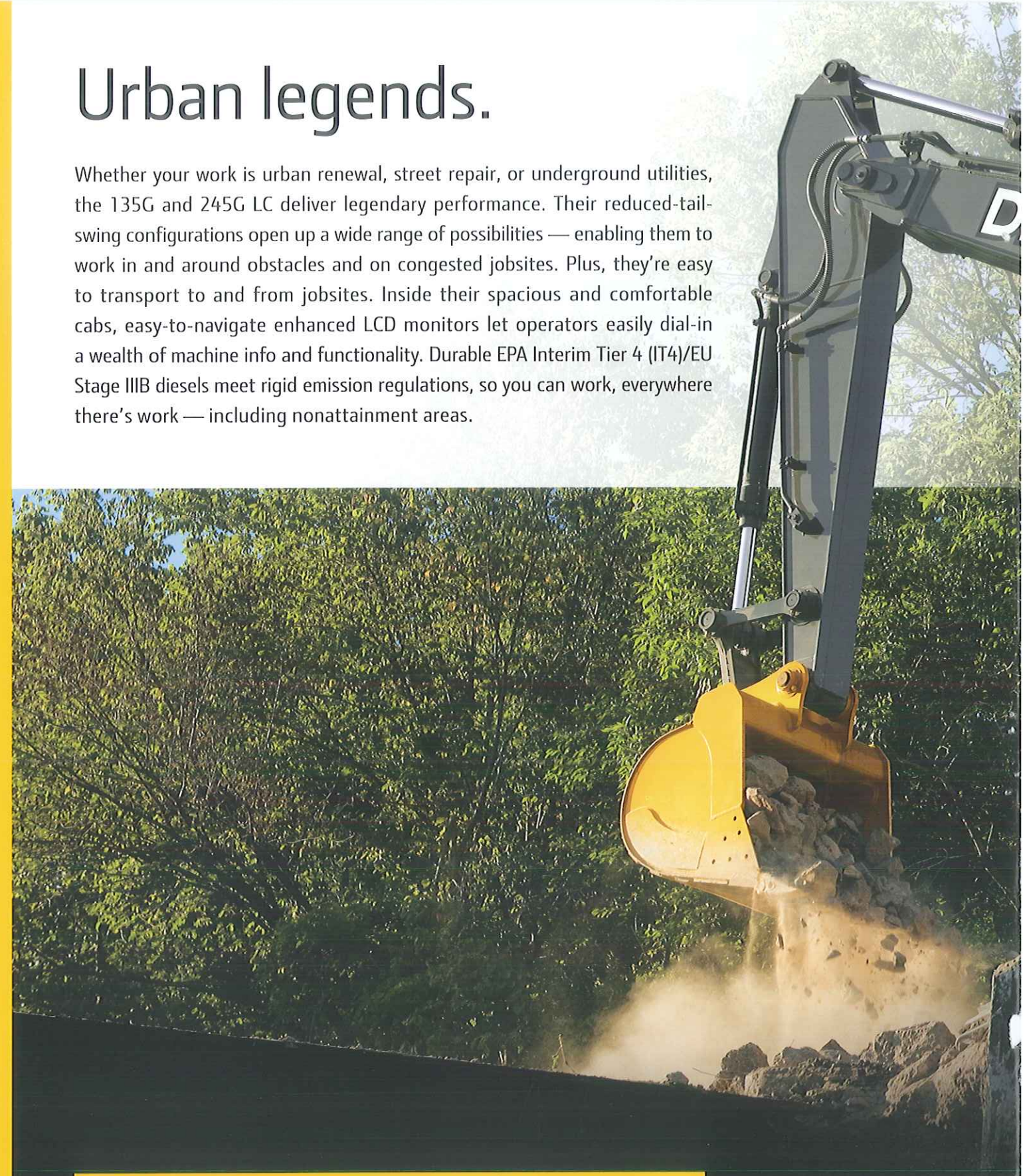
135G/245G LC EXCAVATORS

13–24 metric tons

JOHN DEERE

Urban legends.

Whether your work is urban renewal, street repair, or underground utilities, the 135G and 245G LC deliver legendary performance. Their reduced-tail-swing configurations open up a wide range of possibilities — enabling them to work in and around obstacles and on congested jobsites. Plus, they're easy to transport to and from jobsites. Inside their spacious and comfortable cabs, easy-to-navigate enhanced LCD monitors let operators easily dial-in a wealth of machine info and functionality. Durable EPA Interim Tier 4 (IT4)/EU Stage IIIB diesels meet rigid emission regulations, so you can work, everywhere there's work — including nonattainment areas.



	135G	245G LC
Net rated power	72 kW (97 hp)	119 kW (159 hp)
Operating weight	13 900–14 900 kg (30,617–32,819 lb.)	25 500 kg (56,167 lb.)
Lifting capacity	2676 kg (5,900 lb.)	7032 kg (15,504 lb.)
Maximum digging depth	5.98 m (19 ft. 7 in.)	6.62 m (21 ft. 9 in.)
Arm digging force	60 kN (13,521 lb.)	114 kN (25,629 lb.)
Bucket digging force	96 kN (21,480 lb.)	158 kN (35,522 lb.)

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 and record performance data 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.

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.

Reduced-tail-swing design allows the 135G and 245G LC to rotate within a small radius, making them plenty productive around obstacles or in confined workspaces.

With increased weight and arm and dig force, the 245G LC provides noticeably more muscle than its predecessor.

Easy street.

Rush hour doesn't have to be risky business. Get one of our reduced-tail-swing excavators and give your operators some space. You'll find plenty of tasks for them off-road, too. Whether you're up against a wall or between a rock and a hard place, these close-quarter specialists open up congested jobsites, putting them in a position to maximize productivity. Operators won't have to bust their tails, either. Three work modes deliver the right power and response for the work at hand. Plus, these two are easy to transport between jobsites, so you can get in, get done, and get on to the next task.

Power/hydraulic management systems perfectly balance engine performance and hydraulic flow for predictable operation. Three productivity modes let an operator 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.

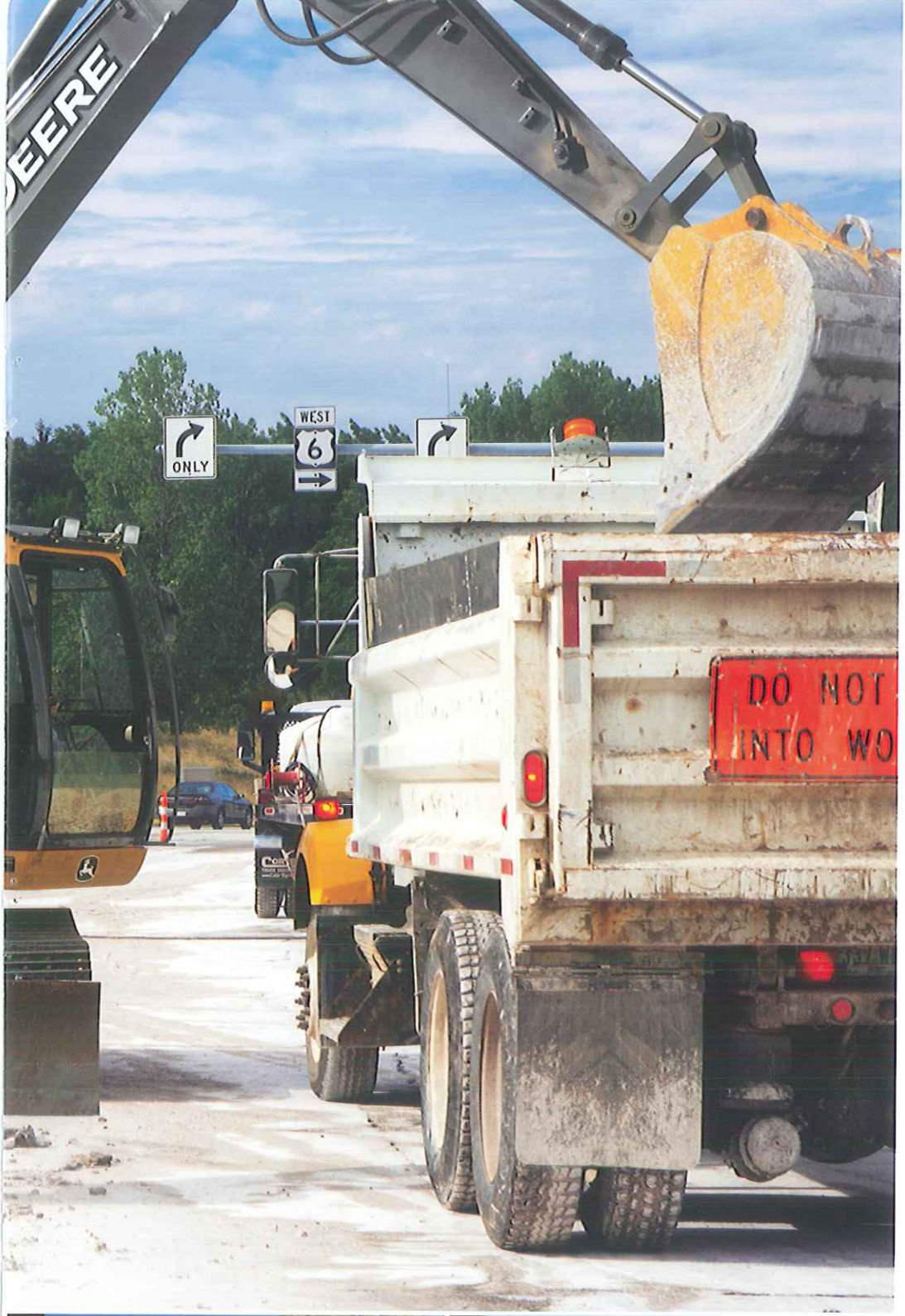
Choose from a variety of track widths, buckets, high-flow auxiliary hydraulics, and other options.

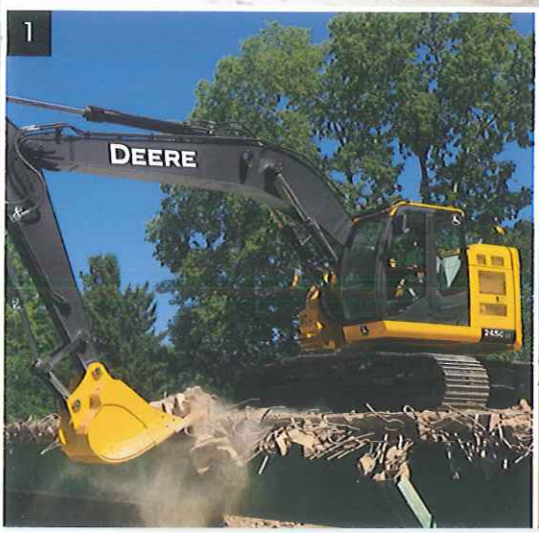
Machine Information Center (MIC) captures and stores vital machine performance and utilization data to help improve productivity, uptime, and profit.

1. When the going gets tough, simply press the power-boost button on the right-hand control and muscle through. It's standard on both excavators.

2. For tasks that require extra finesse, short-throw low-effort controls, one-of-a-kind metering, and smooth multifunction operation provide the precision you need.

3. Generous flow, arm force, and swing torque help speed cycles. So you can do your best to stay on schedule, or ahead of the weather.





Put more productivity on speed dial.

Now it's easier than ever for operators to "dial things up." The 135G and 245G LC's refined monitor employs a rotary control that makes it quick and easy to tap into an abundance of performance and convenience functions and features. Operators will 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 your operators need to do their best work.

With large self-cleaning steps and wide entryways, getting in and out of our excavators has never been easier.

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

We've got your back with a sculpted mechanical-suspension high-back seat. Seat slides 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 available in the 245G LC.

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

There's no shortage of storage in here, with cup holders and even a hot/cold box that keeps food or beverages at just the right temperature.

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

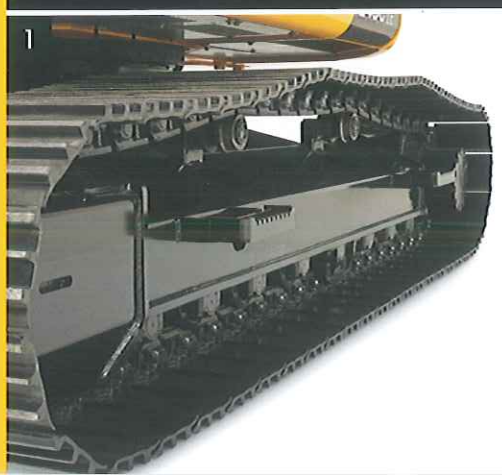
1. Multi-language LCD monitor and rotary dial provide intuitive access to a wealth of information and functions. Just turn and tap to select work mode, access operating info, check maintenance intervals, source diagnostic codes, adjust cab temperature, and tune the radio. Plus much more.

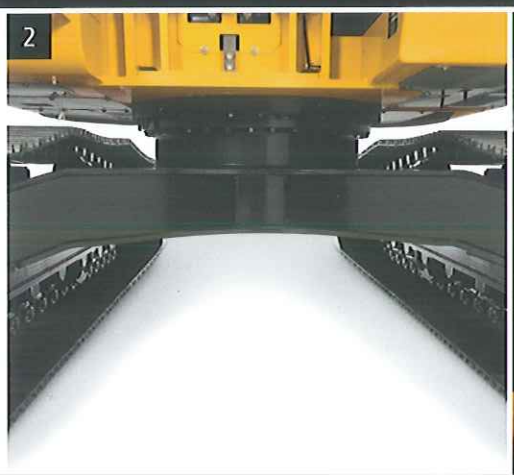
2. Wide expanse of front and side glass, narrow front cab posts, large overhead glass, and numerous mirrors provide virtually unobstructed all-around visibility. If you need to see more, choose the optional camera that displays the action behind on the monitor.

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

Nothing runs like a Deere, because nothing is built like one.

It's not just their smooth-as-silk operation that separates our excavators from the rest. Durability is unmatched, too. Highly efficient cooling systems keep things running cool, even in high-trash or high-altitude environments. You'll also profit from standard John Deere advantages such as tungsten-carbide thermal-coated arm surfaces, oil-impregnated bushings, and triple-bulkhead booms that maximize uptime and deliver long-term durability. When you know how they're built, you'll run a Deere.





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 field-proven 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).

2. Highly efficient hydraulically driven fans run only as fast as needed, reducing noise, fuel consumption, and operating costs. Reversing option automatically back-blows cooler cores to keep them clean.

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

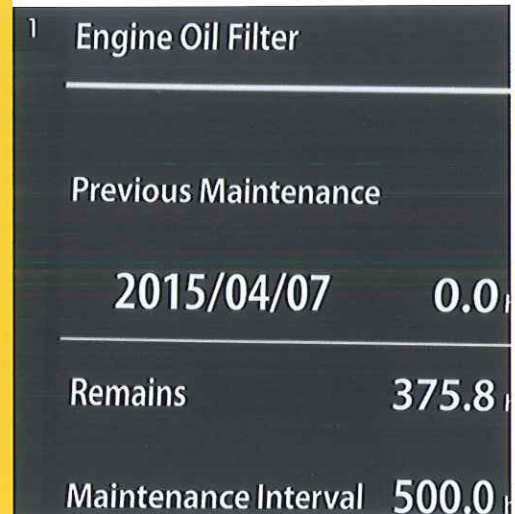
4. A John Deere exclusive, three-welded bulkheads within the boom resist torsional stress for unsurpassed durability. Booms, arms, and mainframes are so tough, they're warranted for three years or 10,000 hours.

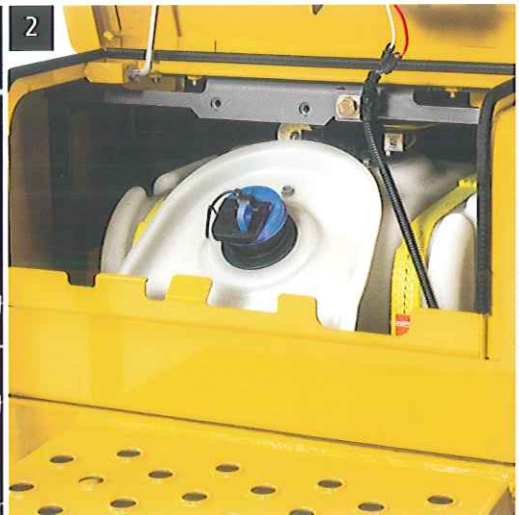
Uncover all the ways we keep costs down.

Like all John Deere machines, G-Series Excavators are loaded with features that make them hassle free to service and low cost to maintain.

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.

John Deere WorkSight is an exclusive suite of telematics solutions that increases uptime while lowering operating costs. At its heart, JDLink™ Ultimate 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, record performance data, and even update software without a trip to the jobsite.





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.

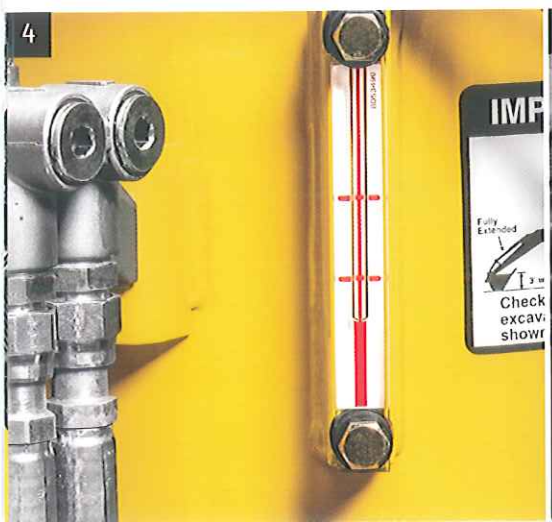
2. Diesel exhaust fluid (DEF) can be conveniently filled when refueling due to its large and accessible tank. DEF overflow routes excess outside the machine to avoid paint damage.

3. 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 10,000 hours.

4. Large fuel tanks and 500- and 5,000-hour engine and hydraulic oil-service intervals decrease downtime for routine maintenance. Fluid-sample and remote diagnostic ports help speed preventative maintenance and troubleshooting.

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

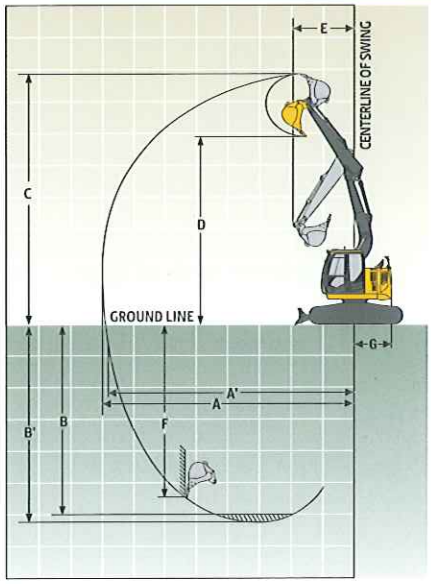
6. Upper-structure handrails provide three points of contact when accessing the engine compartment. Slip-resistant surfaces help improve stability.



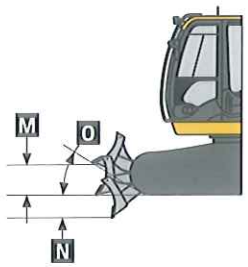
160G LC

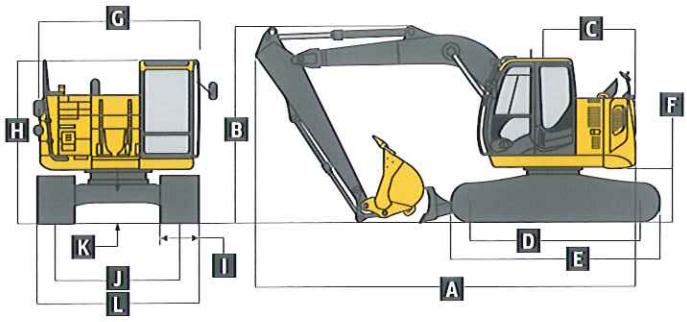
Engine	160G LC		
	Base engine for use in the U.S., U.S. Territories, and Canada		*Optional engine for use outside the U.S. and U.S. Territories*
Manufacturer and Model	John Deere PowerTech™ PWS 4.5 L		John Deere 4045H
Non-Road Emission Standard	EPA Final Tier 4/EU Stage IV		EPA Tier 3/EU Stage IIIA
Net Rated Power (ISO 9249)	90 kW (122 hp) at 2,200 rpm		90 kW (121 hp) at 1,900 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	Series 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	3.4 km/h (2.1 mph)		
High	5.3 km/h (3.3 mph)		
Drawbar Pull	16 112 kg (35,521 lb.)		
Hydraulics			
Open center, load sensing			
Main Pumps	2 variable-displacement axial-piston pumps		
Maximum Rated Flow	191 L/m (50.5 gpm) x 2		
Pilot Pump	1 gear		
Maximum Rated Flow	33.6 L/m (8.9 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	34 336 kPa (4,980 psi)		
Power Boost	38 000 kPa (5,511 psi)		
Controls	Pilot levers, short stroke, low-effort hydraulic pilot controls with shutoff lever		
Cylinders			
	Bore	*Rod Diameter*	*Stroke*
Boom (2)	110 mm (4.33 in.)	80 mm (3.15 in.)	1110 mm (43.70 in.)
Arm (1)	120 mm (4.72 in.)	90 mm (3.54 in.)	1365 mm (53.74 in.)
Bucket (1)	105 mm (4.13 in.)	75 mm (2.95 in.)	935 mm (36.81 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	2		
Track	7		
Shoes (per side)	43		
Track			
Adjustment	Hydraulic		
Guides	Front and center		
Chain	Sealed and lubricated		
Ground Pressure			
Triple Semi-Grouser Shoes			
600 mm (24 in.)	41 kPa (5.95 psi)		
700 mm (28 in.)	35 kPa (5.08 psi)		

Swing Mechanism	**135G**	
Speed	13.3 rpm	
Torque	34 000 Nm (25,000 lb.-ft.)	
Serviceability		
Refill Capacities		
Fuel Tank	220 L (58 gal.)	
Cooling System	20 L (21.1 qt.)	
Engine Oil with Filter	17 L (18 qt.)	
Hydraulic Tank	60 L (15.9 gal.)	
Hydraulic System	125 L (33 gal.)	
Gearbox		
Swing	3.2 L (3.4 qt.)	
Propel (each)	4 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 3650-kg (8,047 lb.) counterweight		
	Without Blade	*With Blade*
Rubber Crawler Pad, 500 mm (20 in.)	13 900 kg (30,617 lb.)	14 900 kg (32,819 lb.)
Triple Semi-Grouser Shoes		
600 mm (24 in.)	13 700 kg (30,176 lb.)	14 700 kg (32,379 lb.)
700 mm (28 in.)	13 900 kg (30,617 lb.)	14 900 kg (32,819 lb.)
Component Weights		
Undercarriage		
Rubber Crawler Pad, 500 mm (20 in.)	4639 kg (10,218 lb.)	5577 kg (12,284 lb.)
Triple Semi-Grouser Shoes		
600 mm (24 in.)	4439 kg (9,778 lb.)	5516 kg (12,150 lb.)
700 mm (28 in.)	4639 kg (10,218 lb.)	5732 kg (12,626 lb.)
One-Piece Boom (with arm cylinder)	951 kg (2,095 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	232 kg (511 lb.)	
914-mm (36 in.), 0.50-m³ (0.65 cu. yd.) Bucket	414 kg (913 lb.)	
Counterweight, Standard	3650 kg (8,047 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)	2699 kg (5,950 lb.)	2676 kg (5,900 lb.)
A Maximum Reach	8.38 m (27 ft. 6 in.)	8.86 m (29 ft. 1 in.)
A¹ Maximum Reach at Ground Level	8.24 m (27 ft. 0 in.)	8.72 m (28 ft. 7 in.)
B Maximum Digging Depth	5.49 m (18 ft. 0 in.)	5.98 m (19 ft. 7 in.)
B¹ Maximum Digging Depth at 2.44-m (8 ft. 0 in.) Flat Bottom	5.27 m (17 ft. 3 in.)	5.79 m (19 ft. 0 in.)
C Maximum Cutting Height	9.29 m (30 ft. 6 in.)	9.69 m (31 ft. 9 in.)
D Maximum Dumping Height	6.83 m (22 ft. 5 in.)	7.22 m (23 ft. 8 in.)
E Minimum Swing Radius	1.49 m (4 ft. 11 in.)	1.49 m (4 ft. 11 in.)
F Maximum Vertical Wall	4.73 m (15 ft. 6 in.)	5.19 m (17 ft. 0 in)
G Tail-Swing Radius	1.49 m (4 ft. 11 in.)	1.49 m (4 ft. 11 in.)



Machine Dimensions	135G
A Overall Length with Arm	
2.52 m (8 ft. 3 in.)	7.37 m (24 ft. 2 in.)
3.01 m (9 ft. 11 in.)	7.39 m (24 ft. 3 in.)
B Overall Height with Arm	
2.52 m (8 ft. 3 in.)	2.79 m (9 ft. 2 in.)
3.01 m (9 ft. 11 in.)	2.78 m (9 ft. 1 in.)
C Rear-End Length/Swing Radius	1.49 m (4 ft. 11 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	2.48 m (8 ft. 2 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	
Rubber Crawler Pad, 500 mm (20 in.)	2.49 m (8 ft. 2 in.)
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	460 mm (18 in.)
N Blade Cut Below Grade	540 mm (21 in.)
O Blade Lift Angle	29 deg.
Blade	
Length	2.51 m (8 ft. 3 in.)
Height	460 mm (18 in.)
Width	
Rubber Crawler Pad, 500 mm (20 in.)	2590 mm (8 ft. 6 in.)
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.). All lift capacities are based on ISO 10567 (with power boost). Machine equipped with 414-kg (913 lb.) bucket and standard counterweight; 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.

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.)			**3550 (7,850)**	**3550 (7,850)**	**3550 (7,750)**	3500 (7,500)	**3200 (6,500)**	2100 (4,500)		
3.0 m (10 ft.)			**6250 (13,400)**	**6250 (13,400)**	**4350 (9,450)**	3300 (7,100)	**3600 (7,900)**	2050 (4,350)		
1.5 m (5 ft.)			**6450 (15,850)**	5750 (12,350)	**5350 (11,500)**	3050 (6,600)	**4000 (8,650)**	1950 (4,150)		
Ground Line			**5750 (13,400)**	5,450 (11,750)	**5850 (12,700)**	2900 (6,250)	**4200 (9,150)**	1850 (4,000)		
–1.5 m (–5 ft.)	**4350 (9,800)**	**4350 (9,800)**	**8750 (18,950)**	5450 (11,700)	**5750 (12,450)**	2850 (6,100)	**4000 (8,600)**	1850 (3,950)		
–3.0 m (–10 ft.)	**8250 (18,650)**	**8250 (18,650)**	**7100 (15,250)**	5550 (11,900)	**4750 (10,150)**	2900 (6,200)				
With 3.01-m (9 ft. 11 in.) arm and 500-mm (20 in.) rubber crawler pad, blade on ground										
4.5 m (15 ft.)					**3100 (6,700)**	**3100 (6,700)**	**3000 (6,400)**	2150 (4,650)		
3.0 m (10 ft.)			**4900 (10,250)**	**4900 (10,250)**	**3900 (8,500)**	3400 (7,300)	**3350 (7,250)**	2100 (4,450)		
1.5 m (5 ft.)			**8050 (17,300)**	5950 (12,850)	**4950 (10,750)**	3150 (6,750)	**3800 (8,200)**	1950 (4,200)	**2150 (3,700)**	1300 (2,800)
Ground Line			**6250 (14,550)**	5550 (11,900)	**5700 (12,350)**	2950 (6,300)	**4100 (8,900)**	1850 (4,000)		
–1.5 m (–5 ft.)	**3800 (8,500)**	**3800 (8,500)**	**8250 (18,950)**	**5450 (11,650)**	**5800 (12,550)**	2850 (6,100)	**4100 (8,850)**	1800 (3,900)		
–3.0 m (–10 ft.)	**6850 (15,450)**	**6850 (15,450)**	**7800 (16,750)**	5550 (11,800)	**5150 (11,050)**	2850 (6,150)	**3350**	1850		
–4.5 m (–15 ft.)			**5050 (10,500)**	**5050 (10,500)**	**2900**	**2900**				

Lift Capacities *(continued)* 135G

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). All lift capacities are based on ISO 10567 (with power boost). Machine equipped with 414-kg (913 lb.) bucket and standard counterweight; 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.

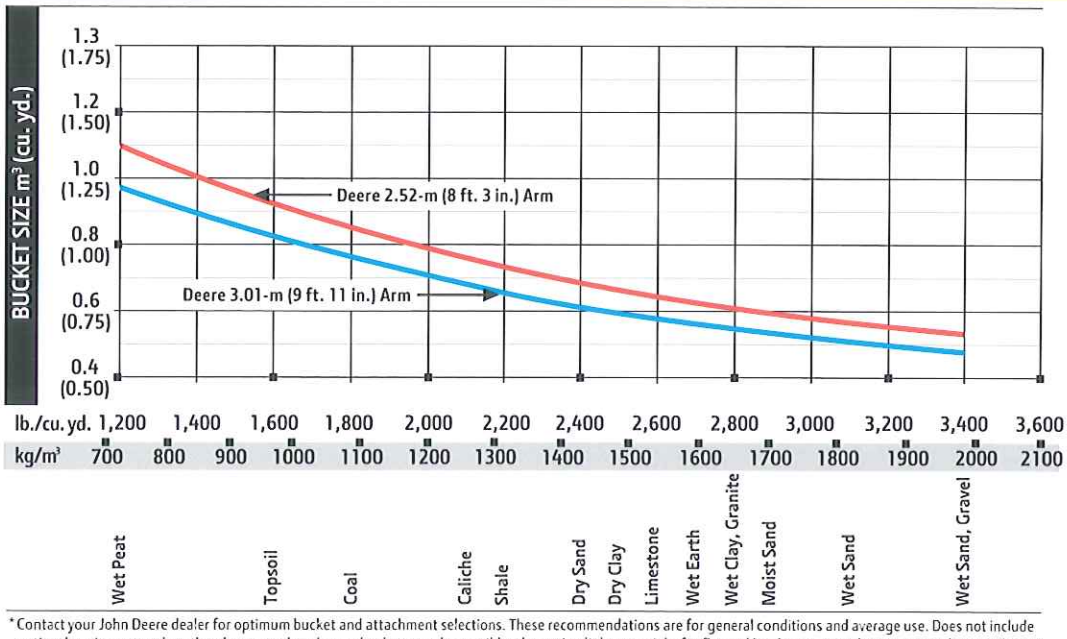
Load Point Height / Horizontal Distance from Centerline of Rotation	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 3.01-m (9 ft. 11 in.) arm and 600-mm (24 in.) triple semi-grouser shoes, blade on ground										
4.5 m (15 ft.)					3100 (6,700)	3100 (6,700)	3000 (6,400)	2100 (4,550)		
3.0 m (10 ft.)			4900 (10,250)	4900 (10,250)	3900 (8,500)	3350 (7,200)	3350 (7,250)	2050 (4,400)		
1.5 m (5 ft.)			8050 (17,300)	5900 (12,650)	4950 (10,750)	3100 (6,650)	3800 (8,200)	1950 (4,150)	2150 (3,700)	1300 (2,750)
Ground Line			6250 (14,550)	5450 (11,700)	5700 (12,350)	2900 (6,200)	4100 (8,900)	1850 (3,950)		
–1.5 m (–5 ft.)	3800 (8,500)	3800 (8,500)	8250 (18,950)	5350 (11,500)	5800 (12,550)	2800 (6,000)	4100 (8,850)	1800 (3,800)		
–3.0 m (–10 ft.)	6850 (15,450)	6850 (15,450)	7800 (16,750)	5400 (11,650)	5150 (11,050)	2800 (6,000)	3350	1800		
–4.5 m (–15 ft.)			5050 (10,500)	5050 (10,500)	2900	2900				
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.)					3100 (6,700)	3100 (6,700)	3000 (6,400)	2150 (4,600)		
3.0 m (10 ft.)			4900 (10,250)	4900 (10,250)	3900 (8,500)	3400 (7,300)	3350 (7,250)	2050 (4,450)		
1.5 m (5 ft.)			8050 (17,300)	5950 (12,800)	4950 (10,750)	3150 (6,750)	3800 (8,200)	1950 (4,200)	2150 (3,700)	1300 (2,800)
Ground Line			6250 (14,550)	5550 (11,900)	5700 (12,350)	2950 (6,300)	4100 (8,900)	1850 (4,000)		
–1.5 m (–5 ft.)	3800 (8,500)	3800 (8,500)	8250 (18,950)	5450 (11,650)	5800 (12,550)	2850 (6,100)	4100 (8,850)	1800 (3,900)		
–3.0 m (–10 ft.)	6850 (15,450)	6850 (15,450)	7800 (16,750)	5500 (11,800)	5150 (11,050)	2850 (6,100)	3350	1850		
–4.5 m (–15 ft.)			5050 (10,500)	5050 (10,500)	2900	2900				

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
	1067	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*



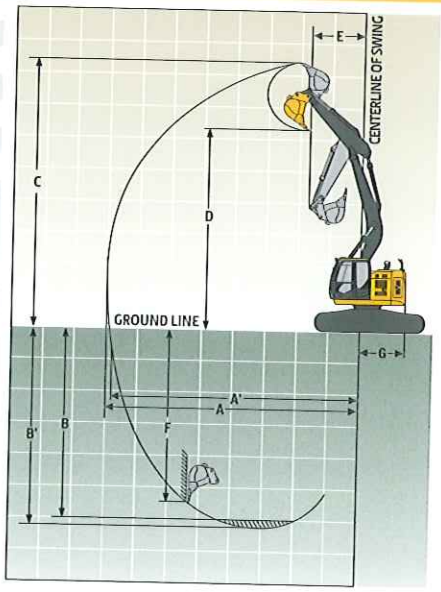
* Contact your John Deere dealer for optimum bucket and attachment selections. These recommendations are for general conditions and average use. Does not include optional equipment such as thumbs or couplers. Larger buckets may be possible when using light materials, for flat and level operations, less 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.

245G LC

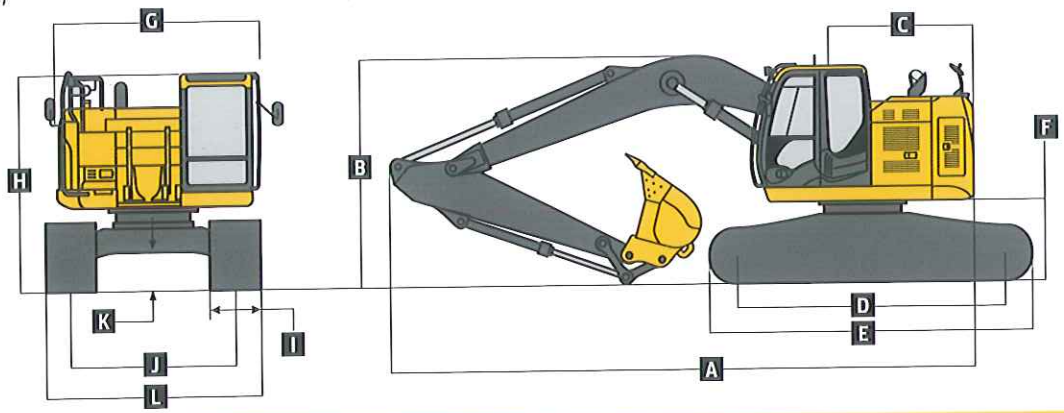
Engine	245G LC		
	Base engine for use in the U.S., U.S. Territories, and Canada		
Manufacturer and Model	Isuzu 4HK1		
Non-Road Emissions Standard	EPA Interim Tier 4/EU Stage IIIB		
Net Rated Power (ISO 9249)	119 kW (159 hp) at 2,000 rpm		
Cylinders	4		
Displacement	5.2 L (317 cu. in.)		
Off-Level Capacity	70% (35 deg.)		
Aspiration	Turbocharged, air-to-air charge-air cooler		
Cooling			
Direct-drive suction-type fan			
Powertrain			
2-speed propel with automatic shift			
Maximum Travel Speed			
Low	3.5 km/h (2.2 mph)		
High	5.5 km/h (3.4 mph)		
Drawbar Pull	20 700 kg (45,636 lb.)		
Hydraulics			
Open center, load sensing			
Main Pumps	3 variable-displacement axial-piston pumps		
Maximum Rated Flow	212 x 2 + 189 L/m (56 x 2 + 50 gpm)		
Pilot Pump	One gear		
Maximum Rated Flow	30 L/m (7.9 gpm)		
Pressure Setting	3999 kPa (580 psi)		
System Operating Pressure			
Circuits			
Implement	34 336 kPa (4,980 psi)		
Travel	35 000 kPa (5,076 psi)		
Swing	32 600 kPa (4,728 psi)		
Power Boost	38 000 kPa (5,511 psi)		
Controls	Pilot levers, short stroke, low-effort hydraulic pilot controls with shutoff lever		
Cylinders			
	Bore	*Rod Diameter*	*Stroke*
Boom (2)	120 mm (4.72 in.)	85 mm (3.35 in.)	1330 mm (52.36 in.)
Arm (1)	135 mm (5.31 in.)	95 mm (3.74 in.)	1475 mm (58.07 in.)
Bucket (1)	115 mm (4.53 in.)	80 mm (3.15 in.)	1060 mm (41.73 in.)
Electrical			
Number of Batteries (12 volt)	2		
Battery Capacity	651 CCA		
Alternator Rating	50 amp		
Work Lights	2 halogen (one mounted on boom, one on frame)		
Undercarriage			
Rollers (each side)			
Carrier	2		
Track	8		
Shoes, Triple Semi-Grousers (each side)	49		
Track			
Adjustment	Hydraulic		
Guides	Center		
Chain	Sealed and lubricated		
Ground Pressure			
Triple Semi-Grouser Shoes			
600 mm (24 in.)	51 kPa (7.40 psi)		
700 mm (28 in.)	45 kPa (6.53 psi)		
800 mm (32 in.)	40 kPa (5.80 psi)		

Swing Mechanism	**245G LC**	
Speed	11.8 rpm	
Torque	68 000 Nm (50,000 lb.-ft.)	
Serviceability		
Refill Capacities		
Fuel Tank	380 L (100 gal.)	
Cooling System	25 L (26.4 qt.)	
Engine Oil with Filter	23 L (24 qt.)	
Hydraulic Tank	130 L (34.3 gal.)	
Hydraulic System	240 L (63.4 gal.)	
Gearbox		
Swing	6.2 L (6.6 qt.)	
Propel (each)	6.8 L (7.2 qt.)	
Pump Drive	1.6 L (1.7 qt.)	
Operating Weights		
With full fuel tank; 79-kg (175 lb.) operator; 1067-mm (42 in.), 0.8-m³ (1.04 cu. yd.), 649-kg (1,430 lb.) heavy-duty bucket; 2.91-m (9 ft. 7 in.) arm; 7480-kg (16,490 lb.) counterweight; and 800-mm (32 in.) triple semi-grouser shoes		
Operating Weight	25 500 kg (56,167 lb.)	
Component Weights		
Undercarriage with Triple Semi-Grouser Shoes		
600 mm (24 in.)	7490 kg (16,498 lb.)	
700 mm (28 in.)	7900 kg (17,401 lb.)	
800 mm (32 in.)	8170 kg (17,996 lb.)	
One-Piece Boom (with arm cylinder)	1674 kg (3,687 lb.)	
Arm with Bucket Cylinder and Linkage		
2.42 m (7 ft. 11 in.)	765 kg (1,685 lb.)	
2.91 m (9 ft. 7 in.)	815 kg (1,795 lb.)	
Boom-Lift Cylinders (2), Total Weight	340 kg (749 lb.)	
1067-mm (42 in.), 0.8-m³ (1.04 cu. yd.) Bucket	649 kg (1,430 lb.)	
Counterweight, Standard	7480 kg (16,490 lb.)	

Operating Dimensions			
	Arm Length	*2.42 m (7 ft. 11 in.)*	*2.91 m (9 ft. 7 in.)*
	Arm Digging Force		
	SAE	133 kN (29,901 lb.)	110 kN (24,730 lb.)
	ISO	140 kN (31,475 lb.)	114 kN (25,629 lb.)
	Bucket Digging Force		
	SAE	141 kN (31,700 lb.)	141 kN (31,700 lb.)
	ISO	158 kN (35,522 lb.)	158 kN (35,522 lb.)
	Lifting Capacity Over Front at Ground Level 6.1-m (20 ft. 0 in.) Reach (with power boost)	6855 kg (15,112 lb.)	7032 kg (15,504 lb.)
A	Maximum Reach	9.62 m (31 ft. 7 in.)	10.11 m (33 ft. 2 in.)
A¹	Maximum Reach at Ground Level	9.40 m (30 ft. 10 in.)	9.90 m (32 ft. 6 in.)
B	Maximum Digging Depth	6.12 m (20 ft. 1 in.)	6.62 m (21 ft. 9 in.)
B¹	Maximum Digging Depth at 2.44-m (8 ft. 0 in.) Flat Bottom	5.87 m (19 ft. 3 in.)	6.41 m (21 ft. 0 in.)
C	Maximum Cutting Height	10.79 m (35 ft. 5 in.)	11.22 m (36 ft. 10 in.)
D	Maximum Dumping Height	7.86 m (25 ft. 9 in.)	8.92 m (29 ft. 3 in.)
E	Minimum Swing Radius	2.72 m (8 ft. 11 in.)	2.38 m (7 ft. 10 in.)
F	Maximum Vertical Wall	5.19 m (17 ft. 0 in.)	5.81 m (19 ft. 1 in.)
G	Tail-Swing Radius	1.68 m (5 ft. 6 in.)	1.68 m (5 ft. 6 in.)



Machine Dimensions	245G LC
A Overall Length with Arm	
2.42 m (7 ft. 11 in.)	9.27 m (30 ft. 5 in.)
2.91 m (9 ft. 7 in.)	9.11 m (29 ft. 11 in.)
B Overall Height with Arm	
2.42 m (7 ft. 11 in.)	3.23 m (10 ft. 7 in.)
2.91 m (9 ft. 7 in.)	2.98 m (9 ft. 9 in.)
C Rear-End Length/Swing Radius	1.68 m (5 ft. 6 in.)
D Distance Between Idler/Sprocket Centerline	3.66 m (12 ft. 0 in.)
E Undercarriage Length	4.46 m (14 ft. 8 in.)
F Counterweight Clearance	990 mm (3 ft. 3 in.)
G Upperstructure Width	2.97 m (9 ft. 9 in.)
H Cab Height	2.99 m (9 ft. 10 in.)
I Track Width with Triple Semi-Grouser Shoes	600 mm (24 in.) / 700 mm (28 in.) / 800 mm (32 in.)
J Gauge Width	2.39 m (7 ft. 10 in.)
K Ground Clearance	450 mm (17.72 in.)
L Overall Width with Triple Semi-Grouser Shoes	
600 mm (24 in.)	2.99 m (9 ft. 10 in.)
700 mm (28 in.)	3.09 m (10 ft. 2 in.)
800 mm (32 in.)	3.19 m (10 ft. 6 in.)



Lift Capacities

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). All lift capacities are based on ISO 10567 (with power boost). Machine equipped with 666-kg (1,468 lb.) bucket and standard counterweight; 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.

Load Point Height / Horizontal Distance from Centerline of Rotation	1.5 m (5 ft.) Over Front	1.5 m (5 ft.) Over Side	3.0 m (10 ft.) Over Front	3.0 m (10 ft.) Over Side	4.5 m (15 ft.) Over Front	4.5 m (15 ft.) Over Side	6.0 m (20 ft.) Over Front	6.0 m (20 ft.) Over Side	7.5 m (25 ft.) Over Front	7.5 m (25 ft.) Over Side
With 2.42-m (7 ft. 11 in.) arm and 800-mm (32 in.) triple semi-grouser shoes										
6.0 m (20 ft.)					**5856 (12,697)**	**5856 (12,697)**	**5314 (11,632)**	4854 (10,426)		
4.5 m (15 ft.)					**7356 (15,809)**	**7356 (15,809)**	**5896 (12,791)**	4675 (10,063)	**5235 (11,470)**	3180 (6,815)
3.0 m (10 ft.)					**9325 (20,020)**	6879 (14,848)	**6729 (14,555)**	4430 (9,544)	5284 (11,359)	3082 (6,620)
1.5 m (5 ft.)					**10 619 (22,909)**	6462 (13,927)	7356 (15,823)	4213 (9,076)	5171 (11,122)	2979 (6,404)
Ground Line					**10 770 (23,330)**	6315 (13,588)	7213 (15,512)	4087 (8,800)	5101 (10,980)	2915 (6,275)
–1.5 m (–5 ft.)			**9357 (21,373)**	**9357 (21,373)**	**10 088 (21,863)**	6325 (13,603)	7187 (15,456)	4063 (8,751)		
–3.0 m (–10 ft.)			**11 515 (24,935)**	**11 515 (24,935)**	**8532 (18,385)**	6452 (13,887)	**6113 (12,971)**	4160 (8,983)		
–4.5 m (–15 ft.)					**5093**	**5093**				
With 2.91-m (9 ft. 7 in.) arm and 600-mm (24 in.) triple semi-grouser shoes										
6.0 m (20 ft.)					**5131 (11,138)**	**5131 (11,138)**	**4817 (10,538)**	4785 (10,278)	**3943**	3164
4.5 m (15 ft.)			**9366 (19,787)**	**9366 (19,787)**	**6612 (14,220)**	**6612 (14,220)**	**5457 (11,841)**	4597 (9,892)	**4882 (10,672)**	3107 (6,662)
3.0 m (10 ft.)					**8647 (18,571)**	6831 (14,735)	**6363 (13,763)**	4341 (9,348)	5138 (11,041)	2991 (6,422)
1.5 m (5 ft.)					**10 250 (22,097)**	6343 (13,669)	7165 (15,408)	4100 (8,828)	5006 (10,764)	2871 (6,168)
Ground Line			**3940 (9,135)**	**3940 (9,135)**	**10 787 (23,339)**	6115 (13,156)	6986 (15,018)	3941 (8,483)	4911 (10,565)	2785 (5,987)
–1.5 m (–5 ft.)	**5334 (11,946)**	**5334 (11,946)**	**8390 (19,088)**	**8390 (19,088)**	**10 409 (22,542)**	6072 (13,056)	6921 (14,879)	3884 (8,360)	4888 (10,525)	2763 (5,950)
–3.0 m (–10 ft.)	**9750 (21,925)**	**9750 (21,925)**	**12 970 (28,063)**	12 453 (26,661)	**9180 (19,807)**	6156 (13,244)	**6655 (14,263)**	3933 (8,476)		
–4.5 m (–15 ft.)			**9184 (19,510)**	**9184 (19,510)**	**6591 (13,865)**	6393 (13,787)				

Lift Capacities *(continued)* 245G LC

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). All lift capacities are based on ISO 10567 (with power boost). Machine equipped with 666-kg (1,468 lb.) bucket and standard counterweight; 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.

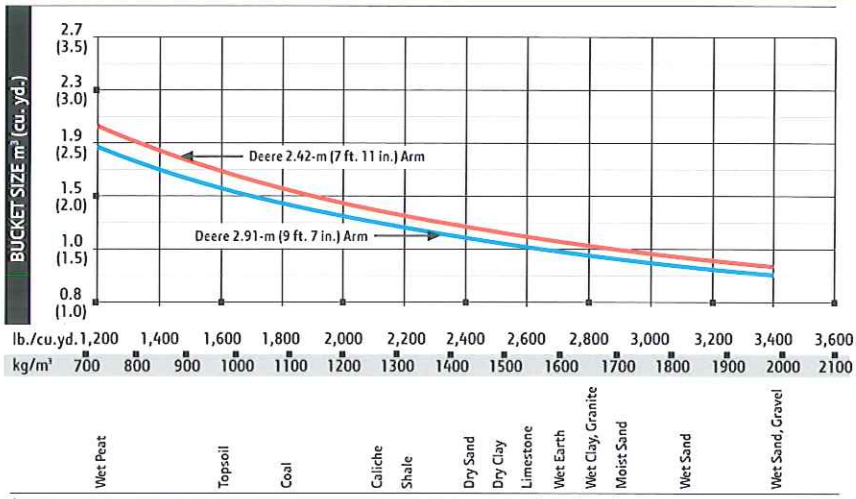
Load Point Height / Horizontal Distance from Centerline of Rotation	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 2.91-m (9 ft. 7 in.) arm and 700-mm (28 in.) triple semi-grouser shoes										
6.0 m (20 ft.)					5131 (11,138)	5131 (11,138)	4817 (10,538)	4817 (10,413)	3943	3212
4.5 m (15 ft.)			9366 (19,787)	9366 (19,787)	6612 (14,220)	6612 (14,220)	5457 (11,841)	4660 (10,028)	4882 (10,672)	3154 (6,765)
3.0 m (10 ft.)					8647 (18,571)	6923 (14,933)	6363 (13,763)	4404 (9,484)	5211 (11,201)	3038 (6,525)
1.5 m (5 ft.)					10 250 (22,097)	6435 (13,867)	7190 (15,548)	4162 (8,963)	5080 (10,923)	2918 (6,271)
Ground Line			3940 (9,135)	3940 (9,135)	10 787 (23,339)	6207 (13,355)	7086 (15,235)	4004 (8,618)	4985 (10,724)	2832 (6,090)
–1.5 m (–5 ft.)	5334 (11,946)	5334 (11,946)	8390 (19,088)	8390 (19,088)	10 409 (22,542)	6164 (13,255)	7022 (15,095)	3947 (8,495)	4961 (10,684)	2810 (6,053)
–3.0 m (–10 ft.)	9750 (21,925)	9750 (21,925)	12 970 (28,063)	12 625 (27,030)	9180 (19,807)	6248 (13,442)	6655 (14,263)	3996 (8,612)		
–4.5 m (–15 ft.)			9184 (19,510)	9184 (19,510)	6591 (13,865)	6485 (13,865)				
With 2.91-m (9 ft. 7 in.) arm and 800-mm (32 in.) triple semi-grouser shoes										
6.0 m (20 ft.)					5131 (11,138)	5131 (11,138)	4817 (10,538)	4817 (10,538)	3943	3270
4.5 m (15 ft.)			9366 (19,787)	9366 (19,787)	6612 (14,220)	6612 (14,220)	5457 (11,841)	4736 (10,192)	4882 (10,672)	3212 (6891)
3.0 m (10 ft.)					8647 (18,571)	7035 (15,174)	6363 (13,763)	4480 (9648)	5275 (11,399)	3096 (6,650)
1.5 m (5 ft.)					10 250 (22,097)	6547 (14,108)	7190 (15,548)	4239 (9,128)	5172 (11,121)	2976 (6,397)
Ground Line			3940 (9,135)	3940 (9,135)	10 787 (23,339)	6319 (13,596)	7211 (15,504)	4080 (8,783)	5077 (10,922)	2890 (6,215)
–1.5 m (–5 ft.)	5334 (11,946)	5334 (11,946)	8390 (19,088)	8390 (19,088)	10 409 (22,542)	6276 (13,496)	7147 (15,365)	4023 (8,660)	5053 (10,882)	2868 (6,178)
–3.0 m (–10 ft.)	9750 (21,925)	9750 (21,925)	12 970 (28,063)	12 834 (27,479)	9180 (19,807)	6360 (13,683)	6655 (14,263)	4072 (8,777)		
–4.5 m (–15 ft.)			9750 (19,510)	9184 (19,510)	12 970 (13,865)	6591 (13,865)	9180		6655	

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 (SAE)		Arm Dig Force 2.42 m (7 ft. 11 in.)		Arm Dig Force 2.91 m (9 ft. 7 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	915	36	0.69	0.90	708	1,559	135.9	30,554	130.2	29,271	107.1	24,071	1463	57.61	5
	1065	42	0.83	1.09	786	1,731	135.9	30,554	130.2	29,271	107.1	24,071	1463	57.61	5
	1220	48	0.99	1.29	872	1,921	135.9	30,554	130.2	29,271	107.1	24,071	1463	57.61	6
Heavy Duty High Capacity	610	24	0.43	0.56	646	1,424	135.0	30,349	129.9	29,197	106.8	24,016	1473	58.0	4
	760	30	0.58	0.76	723	1,593	135.0	30,349	129.9	29,197	106.8	24,016	1473	58.0	4
	915	36	0.74	0.97	809	1,782	135.0	30,349	129.9	29,197	106.8	24,016	1473	58.0	5
	1065	42	0.91	1.19	886	1,951	135.0	30,349	129.9	29,197	106.8	24,016	1473	58.0	5

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.

135G	245G	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
●	●	500-hour engine-oil-change interval
●	●	70% (35 deg.) off-level capability
●	●	Programmable auto shutdown
▲	▲	Engine-oil-sampling valve
▲	▲	Severe-duty fuel filter
		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 guides, front idler
	●	Track guides, front idler and center
●	●	2-speed propel with automatic shift
●		Upper carrier roller (1)
	●	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.)
	▲	Triple semi-grouser shoes, 800 mm (32 in.)

135G	245G	Undercarriage *(continued)*
▲		Rubber crawler pads, 500 mm (20 in.)
▲		Undercarriage with blade
		Upperstructure
●	●	Right-hand, left-hand, and counterweight mirrors
●	●	Vandal locks with ignition key: Cab door / Service doors / Toolbox
●	●	Debris screening
●	●	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, 2.42 m (7 ft. 11 in.)
	▲	Arm, 2.91 m (9 ft. 7 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

135G	245G	Operator's Station *(continued)*
●	●	Interior light
●	●	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 pilot 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
▲	▲	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
●	●	50-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
		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 units with full fuel tanks and 79-kg (175 lb.) operators; a 135G unit with 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; 3650-kg (8,047 lb.) counterweight; and 700-mm (28 in.) triple-semi grouser shoes; and a 245G LC unit with 1067-mm (42 in.), 0.8-m³ (1.04 cu. yd.), 649-kg (1,430 lb.) heavy-duty bucket, 2.91-m (9 ft. 7 in.) arm; 7480-kg (16,490 lb.) counterweight; and 800-mm (32 in.) triple semi-grouser shoes.

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DKAX135245G Litho in U.S.A. (13-11)