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.

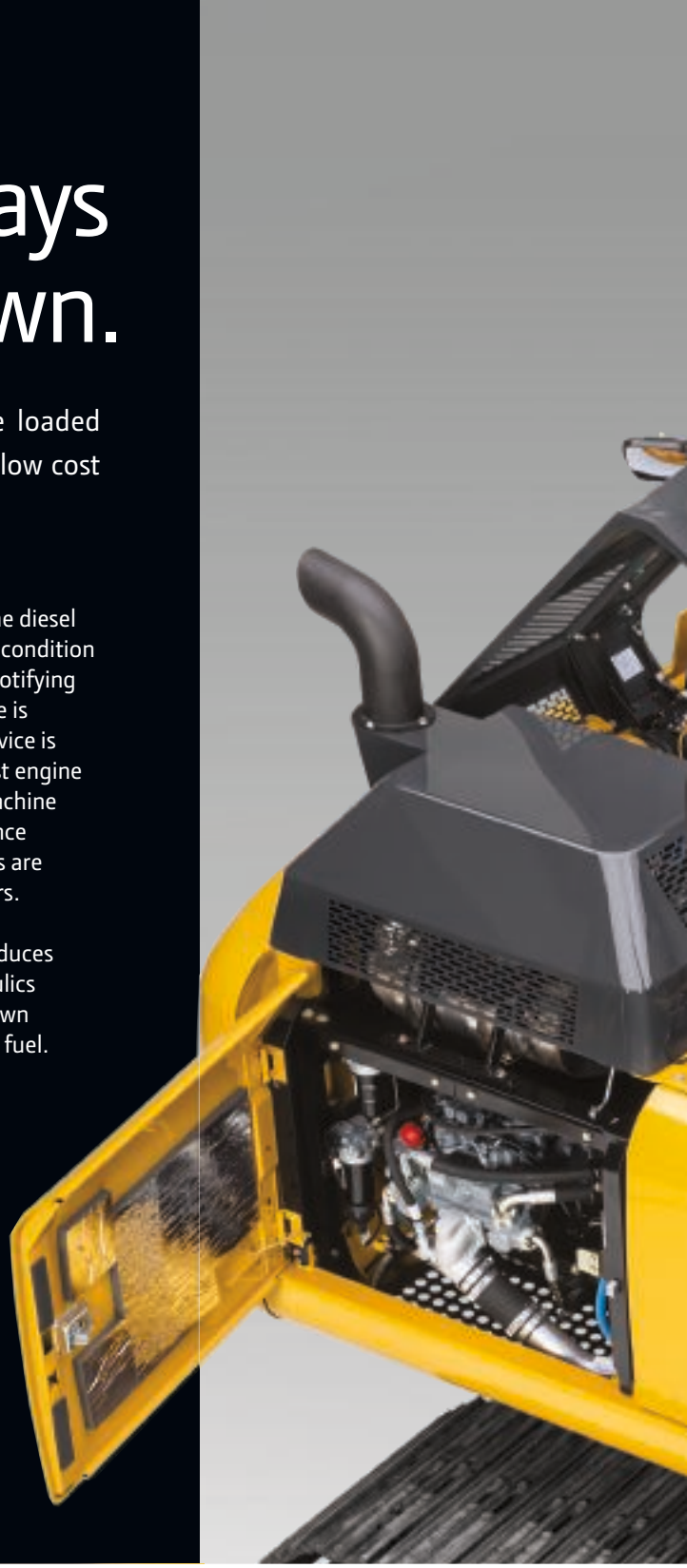
2. Diesel exhaust fluid (DEF) can be conveniently filled when refueling due to its large and accessible tank. DEF overflow routes excess outside the machine to avoid paint damage.

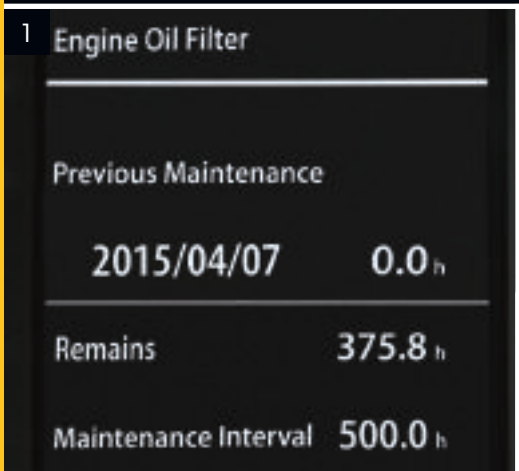
3. Large fuel tanks and 500- and 5,000-hour engine and hydraulic oil-service intervals decrease downtime for routine maintenance. Fluid-level sight gauges are conveniently located and can be checked at a glance.

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.

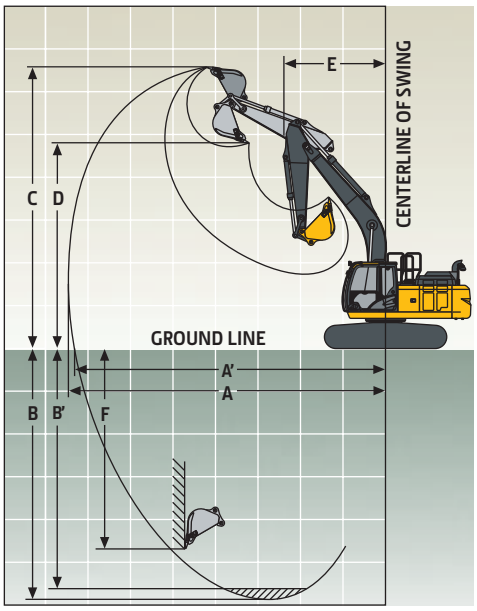
John Deere WorkSight is an exclusive suite of telematic solutions that increases uptime while lowering operating costs. At its heart, JDLink™ Ultimate machine monitoring provides real-time utilization data and alerts to help you maximize productivity and efficiency while minimizing downtime. Remote diagnostics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

210G / 210G LC

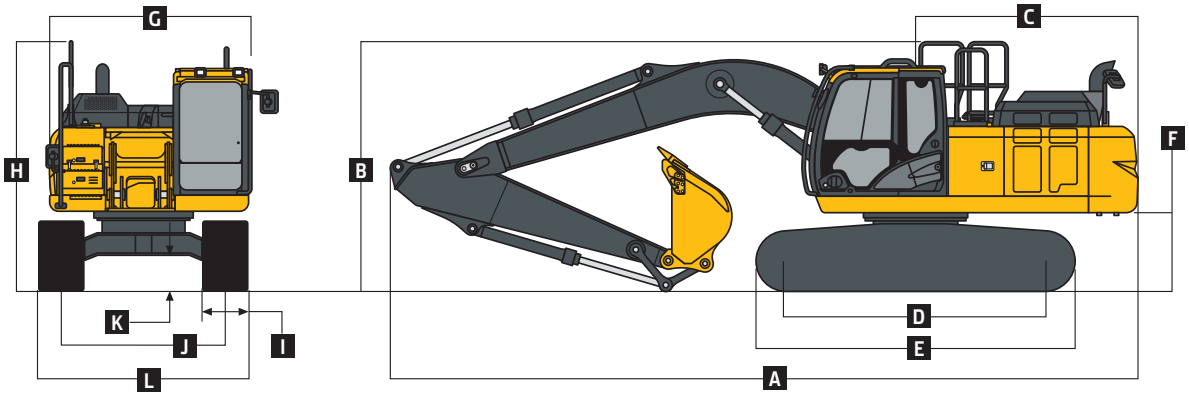
Engine	**210G / 210G LC**		
	Base engine for use in U.S., U.S. Territories, and Canada		
Manufacturer and Model	John Deere PowerTech™ PVS 6.8L 6068HT106		
Non-Road Emission Standard	EPA Final Tier 4/EU Stage IV		
Net Rated Power (ISO 9249)	119 kW (159 hp) at 2,000 rpm		
Cylinders	6		
Displacement	6.8L (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	**210G**	**210G LC**	
Rollers (each side)			
Carrier	2	2	
Track	7	8	
Shoes, Triple Semi-Grousers (each side)	46	49	
Track			
Adjustment	Hydraulic	Hydraulic	
Guides	Center	Center	
Chain	Sealed and lubricated	Sealed and lubricated	
Ground Pressure			
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.)
A[1] 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.)
B[1] 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 (11,380)**	4570 (9,800)		
4.5 m (15 ft.)			**(20,290)**	**(20,290)**	**6760 (14,560)**	**6760 (14,560)**	**5650 (12,290)**	4420 (9,510)		
3.0 m (10 ft.)					**8630 (18,560)**	6520 (14,080)	**6460 (13,990)**	4200 (9,040)	4620 (9,920)	2910 (6,240)
1.5 m (5 ft.)					**10 140 (21,880)**	6100 (13,150)	6420 (13,810)	3990 (8,590)	4510 (9,710)	2810 (6,050)
Ground Line					9980 (21,410)	5910 (12,730)	6270 (13,480)	3850 (8,300)	4450 (9,570)	2750 (5,920)
–1.5 m (–5 ft.)			**9330 (21,390)**	**9330 (21,390)**	9950 (21,360)	5890 (12,680)	6230 (13,400)	3820 (8,220)		
–3.0 m (–10 ft.)			**12 640 (27,400)**	11 810	**9150 (19,750)**	6000 (12,910)	6320 (13,620)	3900 (8,420)		
–4.5 m (–15 ft.)					**6300 (13,030)**	**6280 (13,030)**				

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

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 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).

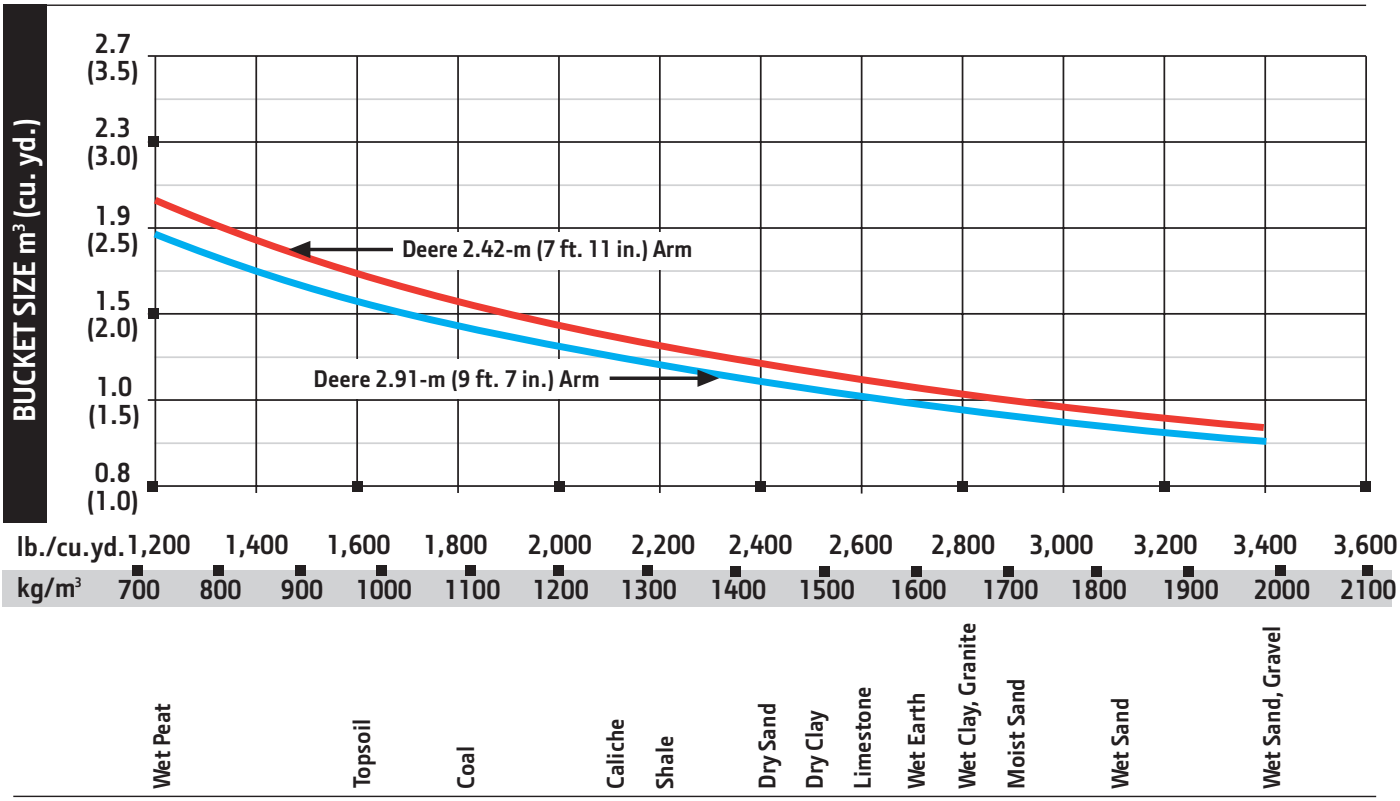
	HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION									
	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)	
LOAD POINT HEIGHT	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 2.91-m (9 ft. 7 in.) arm and 800-mm (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.

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 com-partment 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-m^3 (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.

SAFETY live with it

JohnDeere.com