# 350G LC/380G LC

35 650–38 100-kg (78,550–83,992 lb.) Operating Weight

JOHN DEERE

# Put more work within reach.

Whether you're loading trucks, digging trenches, demolishing structures, or placing pipe, you'll get more done with our G-Series Excavators. Their rugged EPA Final Tier 4 (FT4)/EU Stage IV PowerTech™ diesel engines meet rigid emission regulations, enabling you to work, everywhere there's work — without compromising power, reliability, or ease of operation. Customer-inspired refinements include a comfortable, spacious cab. And an enhanced LCD monitor with simplified navigation that lets an operator easily dial-in a wealth of machine information and functionality. Exceptional power, smoothness, and ease of operation — the 350G LC and 380G LC deliver all you've come to expect in John Deere excavators. And then some.


| Key specifications | 350G LC | 380G LC |
|---|---|---|
| Net rated power | 202 kW (271 hp) | 202 kW (271 hp) |
| Operating weight | 35 650 kg (78,550 lb.) | 38 100 kg (83,992 lb.) |
| Maximum digging depth | 8.18 m (26 ft. 10 in.) | 8.18 m (26 ft. 10 in.) |
| Arm digging force | 152.6–159.0 kN (34,314–35,745 lb.) | 152.6–159.0 kN (34,314–35,745 lb.) |
| Bucket digging force | 225.2–246.0 kN (50,628–55,303 lb.) | 225.2–246.0 kN (50,628–55,303 lb.) |

# Work harder. And smarter.

Who says you have to choose between working harder and working smarter? With our engine/hydraulic management system commanding impressive hydraulic muscle, these excavators do both — putting that extra ability to work with typically smooth operation and finesse. Add to this three power modes and power boost, and these excavators provide everything you need to give productivity an extra push. Combining brawn and brains, our G-Series is a wise choice.

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** limits top speed and helps save fuel.

Choose from a variety of track widths, arm lengths, buckets, high-flow auxiliary hydraulic packages, and numerous other options.

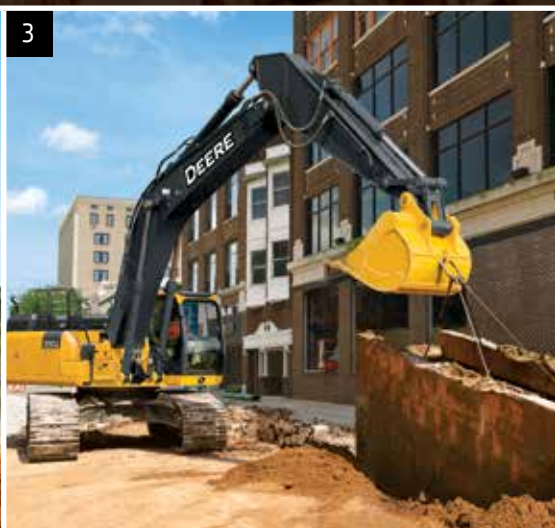
Need extra stability or lift capacity? Opt for the 380G LC. Its standard heavy-duty boom, 3.2-m (10 ft. 6 in.) heavy-duty arm, and undercarriage provide the stamina and strength to handle demanding pipeline, demolition, and scrap-handling tasks.

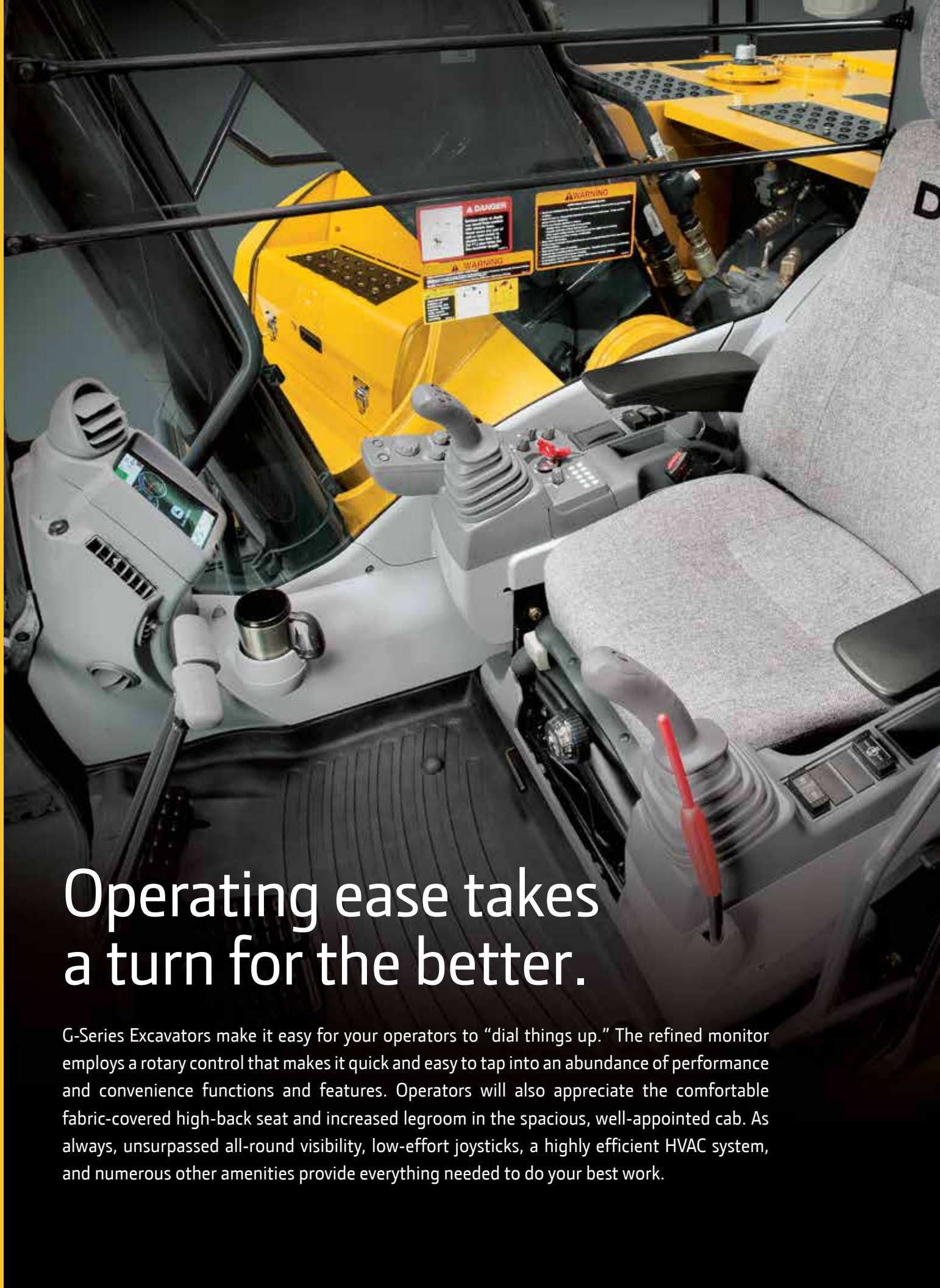
**1.** Low-effort joysticks, unmatched metering, and smooth multifunction operation deliver the control and finesse you need for utility work.

**2.** 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.

**3.** When the task calls for a little extra, simply press the power-boost button on the right-hand control and muscle through.








# Operating ease takes a turn for the better.

G-Series Excavators make it easy 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 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 needed to do your best work.

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 has 267 mm (10½ 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.

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

Optional cab and right-side boom lights provide extra illumination to extend your workday beyond daylight hours.

A 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.

**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.

When you've got places to go, people to see, and schedules to keep, you need dependable workers like these. Built to deliver unsurpassed uptime, these go-getters employ many of the same job-proven digging structures and hydraulic, electrical, and undercarriage components as their highly regarded predecessors. You'll also continue to profit from durability-enhancing "extras" such as tungsten-carbide-coated wear surfaces, welded-boom bulkheads, wet-sleeve engine liners, and extended service intervals. When you know how they're built, you'll run a Deere.

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

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.

Grooved bushings and thermal-coated bucket joints increase arm- and boom-lube intervals to 500 hours.

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

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

**3.** Highly efficient, heavy-duty cooling system keeps things cool, even in tough environments or high altitudes.

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

John Deere PowerTech EPA Final Tier 4 (FT4)/EU Stage IV diesel engines meet emission regulations without sacrificing power or torque. We built on our Interim Tier 4 (IT4)/Stage IIIB solution to deliver the best combination of performance, efficiency, and reliability. 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.

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




# Seeking simplified maintenance? You'll become a big fan of the G-Series.

Swing open the side panels and you'll discover many of the numerous ways these excavators can minimize maintenance, increase uptime, and reduce daily operating costs. The hydraulically driven fan runs only as fast or often as needed, reducing fuel consumption and wear-causing debris flow through the cooler cores. Grouped service points make quick work of the daily routine. Easy-to-check sight gauges and fluid reservoirs. Quick-change remote-mounted filters. Convenient fluid-sample ports and advanced self-diagnostics — with time- and money-saving advantages such as these, and a dealer-customized Ultimate Uptime package to help optimize your operation, there's more to like.

**1.** LCD monitor tracks scheduled maintenance intervals and issues reminders, including DPF servicing. Should a problem arise, it provides diagnostic information to help decrease downtime.

**2.** Diagnostic displays and fluid-sample ports help speed preventative maintenance and troubleshooting.

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

**4.** Ground-level fresh-air cab filter is quickly serviced from outside the cab. Where it's more likely to get done.

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

**6.** Cooler cores' 10-fin-per-in. spacing lets trash easily pass to resist plugging. Swing-out coolers provide added core access.



A second door has been added to the right side of the machine to provide even more wide-open access to components.

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

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

Ash-service intervals for the diesel particulate filter (DPF) are condition based, meaning the machine will notify 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.

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.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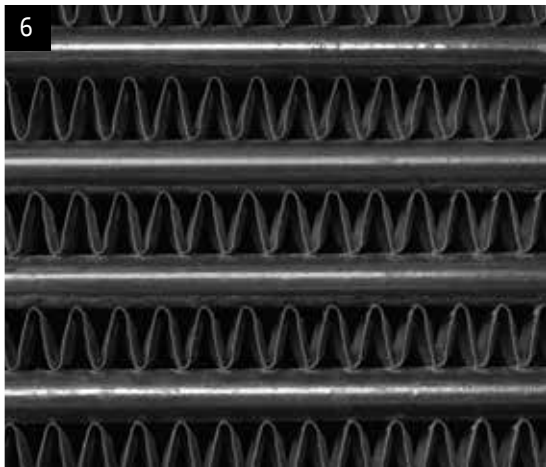
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# 350G LC

| **Engine** | **350G LC** | | |
|---|---|---|---|
| | **Base engine for use in U.S. and U.S. Territories** | | |
| Manufacturer and Model | John Deere PowerTech™ PSS 9.0 L | | |
| Non-Road Emission Standard | EPA Final Tier 4/EU Stage IV | | |
| Net Rated Power (ISO 9249) | 202 kW (271 hp) at 1,900 rpm | | |
| Cylinders | 6 | | |
| Displacement | 9.0 L (549 cu. in.) | | |
| Off-Level Capacity | 70% (35 deg.) | | |
| Aspiration | Series 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 | 3.2 km/h (2.0 mph) | | |
| High | 5.0 km/h (3.1 mph) | | |
| Drawbar Pull | 30 350 kg (66,900 lb.) | | |
| **Hydraulics** | | | |
| Open center, load sensing | | | |
| **Main Pumps** | 2 variable-displacement pumps | | |
| Maximum Rated Flow | 288 L/m (76.1 gpm) x 2 | | |
| **Pilot Pump** | 1 gear | | |
| Maximum Rated Flow | 30.2 L/m (8.0 gpm) | | |
| Pressure Setting | 3900 kPa (566 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)** | 145 mm (5.7 in.) | 100 mm (3.9 in.) | 1520 mm (59.8 in.) |
| **Arm (1)** | 170 mm (6.7 in.) | 115 mm (4.5 in.) | 1740 mm (68.5 in.) |
| **Bucket (1)** | 140 mm (5.5 in.) | 95 mm (3.7 in.) | 1250 mm (49.2 in.) |
| **Mass-Excavating (ME) Bucket (1)** | 145 mm (5.7 in.) | 95 mm (3.7 in.) | 1250 mm (49.2 in.) |
| **Electrical** | | | |
| Number of Batteries (12 volt) | 2 | | |
| Battery Capacity | 1,400 CCA | | |
| Alternator Rating | 100 amp | | |
| Work Lights | 2 halogen (1 mounted on boom, 1 on frame) | | |
| **Undercarriage** | | | |
| **Rollers (each side)** | | | |
| Carrier | 2 | | |
| Track | 8 | | |
| Shoes, Triple Semi-Grousers (each side) | 48 | | |
| **Track** | | | |
| Adjustment | Hydraulic | | |
| Guides | 3 per side | | |
| Chain | Sealed and lubricated | | |
| **Ground Pressure** | | | |
| 800-mm (32 in.) Triple Semi-Grouser Shoes | 50.1 kPa (7.27 psi) | | |

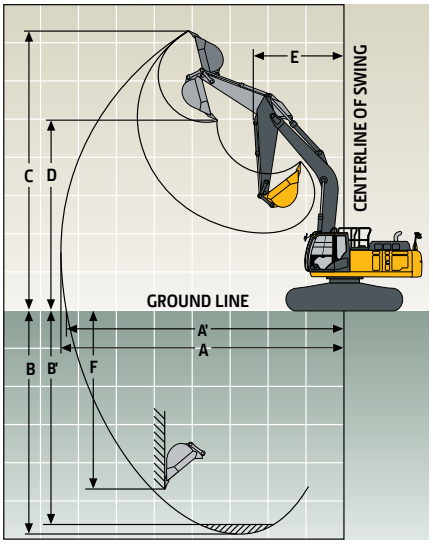

| Swing Mechanism | 350G LC |
|---|---|
| Speed | 10.7 rpm |
| Torque | 120 000 Nm (88,500 lb.-ft.) |

| Serviceability | |
|---|---|
| **Refill Capacities** | |
| Fuel Tank | 628 L (166 gal.) |
| Diesel Exhaust Fluid (DEF) Tank | 35 L (9.3 gal.) |
| Cooling System | 39.7 L (10.5 gal.) |
| Engine Oil with Filter | 27 L (7.2 gal.) |
| Hydraulic Tank | 193 L (51 gal.) |
| Hydraulic System | 290 L (77 gal.) |
| Swing Drive | 11.8 L (12.5 qt.) |
| Gearbox | |
| Propel (each) | 8.5 L (9.0 qt.) |
| Pump Drive | 1.1 L (1.2 qt.) |

**Operating Weights**

With full fuel tank; 79-kg (175 lb.) operator; 1.76-m³ (2.3 cu. yd.), 1370-mm (54 in.), 1160-kg (2,557 lb.) bucket; 4.0-m (13 ft. 1 in.) arm; 6928-kg (15,274 lb.) counterweight; and 800-mm (32 in.) triple semi-grouser shoes

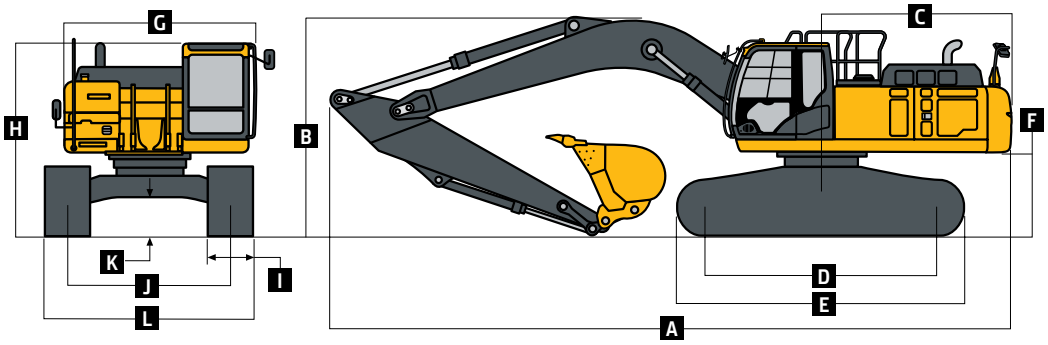
| | |
|---|---|
| Operating Weight | 35 650 kg (78,550 lb.) |
| **Component Weights** | |
| Undercarriage with 800-mm (32 in.) Triple Semi-Grouser Shoes | 12 750 kg (28,100 lb.) |
| One-Piece Boom (with arm cylinder) | |
| 6.4 m (21 ft. 0 in.) | 3031 kg (6,682 lb.) |
| 5.7-m (18 ft. 8 in.) ME | 3234 kg (7,130 lb.) |
| Arm with Bucket Cylinder and Linkage | |
| 2.1 m (6 ft. 10 in.) ME | 1821 kg (4,015 lb.) |
| 2.67 m (8 ft. 9 in.) Heavy-Duty (HD) | 1909 kg (4,209 lb.) |
| 3.2 m (10 ft. 6 in.) | 1758 kg (3,876 lb.) |
| 4.0 m (13 ft. 1 in.) | 1898 kg (4,184 lb.) |
| Boom-Lift Cylinders (2), Total Weight | 624 kg (1,376 lb.) |
| 1.76-m³ (2.3 cu. yd.), 1370-mm (54 in.) HD Bucket | 1160 kg (2,557 lb.) |
| Counterweight, Standard | 6928 kg (15,274 lb.) |




**Operating Dimensions**

| Arm Length | *2.1 m (6 ft. 10 in.) ME / 5.7-m (18 ft. 8 in.) Boom Length* | *2.67 m (8 ft. 9 in.) HD / 5.7-m (18 ft. 8 in.) Boom Length* | *2.67 m (8 ft. 9 in.) HD / 6.4-m (21 ft. 0 in.) Boom Length* | *3.2 m (10 ft. 6 in.) / 6.4-m (21 ft. 0 in.) Boom Length* | *4.0 m (13 ft. 1 in.) / 6.4-m (21 ft. 0 in.) Boom Length* |
|---|---|---|---|---|---|
| Arm Digging Force | | | | | |
| SAE | 275.0 kN (45,914 lb.) | 213.0 kN (45,914 lb.) | 204.2 kN (45,914 lb.) | 177.6 kN (39,930 lb.) | 152.6 kN (34,314 lb.) |
| ISO | 288.0 kN (64,745 lb.) | 222.0 kN (49,908 lb.) | 222.0 kN (49,908 lb.) | 185.0 kN (41,590 lb.) | 159.0 kN (35,745 lb.) |
| Bucket Digging Force | | | | | |
| SAE | 229.0 kN (50,628 lb.) | 214.0 kN (50,628 lb.) | 225.2 kN (50,628 lb.) | 225.2 kN (50,628 lb.) | 225.2 kN (50,628 lb.) |
| ISO | 264.0 kN (59,350 lb.) | 246.0 kN (55,303 lb.) | 246.0 kN (55,303 lb.) | 246.0 kN (55,303 lb.) | 246.0 kN (55,303 lb.) |
| **A** Maximum Reach | 9.41 m (30 ft. 10 in.) | 9.93 m (32 ft. 7 in.) | 10.57 m (34 ft. 8 in.) | 11.10 m (36 ft. 5 in.) | 11.86 m (38 ft. 11 in.) |
| **A**[1] Maximum Reach at Ground Level | 9.16 m (30 ft. 1 in.) | 9.69 m (31 ft. 9 in.) | 10.36 m (34 ft. 0 in.) | 10.89 m (35 ft. 9 in.) | 11.67 m (38 ft. 3 in.) |
| **B** Maximum Digging Depth | 5.62 m (18 ft. 5 in.) | 6.22 m (20 ft. 5 in.) | 6.84 m (22 ft. 5 in.) | 7.38 m (24 ft. 3 in.) | 8.18 m (26 ft. 10 in.) |
| **B**[1] Maximum Digging Depth at 2.44-m (8 ft. 0 in.) Flat Bottom | 5.39 m (17 ft. 8 in.) | 6.02 m (19 ft. 9 in.) | 6.64 m (21 ft. 9 in.) | 7.21 m (23 ft. 8 in.) | 8.04 m (26 ft. 5 in.) |
| **C** Maximum Cutting Height | 9.43 m (30 ft. 11 in.) | 9.66 m (31 ft. 8 in.) | 9.99 m (32 ft. 9 in.) | 10.36 m (34 ft. 0 in.) | 10.75 m (35 ft. 3 in.) |
| **D** Maximum Dumping Height | 6.39 m (21 ft. 0 in.) | 6.60 m (21 ft. 8 in.) | 6.94 m (22 ft. 9 in.) | 7.24 m (23 ft. 9 in.) | 7.63 m (25 ft. 0 in.) |
| **E** Minimum Swing Radius | 4.04 m (13 ft. 3 in.) | 4.05 m (13 ft. 3 in.) | 4.61 m (15 ft. 1 in.) | 4.46 m (14 ft. 8 in.) | 4.47 m (14 ft. 8 in.) |
| **F** Maximum Vertical Wall | 4.15 m (13 ft. 7 in.) | 4.78 m (15 ft. 8 in.) | 5.51 m (18 ft. 1 in.) | 6.42 m (21 ft. 1 in.) | 7.27 m (23 ft. 10 in.) |

| Machine Dimensions | | 350G LC | | | | |
|---|---|---|---|---|---|---|
| **Arm Length** | | *2.1 m (6 ft. 10 in.) ME / 5.7-m (18 ft. 8 in.) Boom Length* | *2.67 m (8 ft. 9 in.) HD / 5.7-m (18 ft. 8 in.) Boom Length* | *2.67 m (8 ft. 9 in.) HD / 6.4-m (21 ft. 0 in.) Boom Length* | *3.2 m (10 ft. 6 in.) / 6.4-m (21 ft. 0 in.) Boom Length* | *4.0 m (13 ft. 1 in.) / 6.4-m (21 ft. 0 in.) Boom Length* |
| **A** | Overall Length | 10.99 m (36 ft. 1 in.) | 11.33 m (37 ft. 2 in.) | 11.35 m (37 ft. 3 in.) | 11.20 m (36 ft. 9 in.) | 11.29 m (37 ft. 0 in.) |
| **B** | Overall Height | 3.68 m (12 ft. 1 in.) | 3.47 m (11 ft. 5 in.) | 3.47 m (11 ft. 5 in.) | 3.27 m (10 ft. 9 in.) | 3.60 m (11 ft. 10 in.) |
| **C** | Rear-End Length/Swing Radius | 3.60 m (11 ft. 10 in.) | | | | |
| **D** | Distance Between Idler/Sprocket Centerline | 4.05 m (13 ft. 3 in.) | | | | |
| **E** | Undercarriage Length | 4.94 m (16 ft. 2 in.) | | | | |
| **F** | Counterweight Clearance | 1.18 m (3 ft. 10 in.) | | | | |
| **G** | Upperstructure Width | 2.99 m (9 ft. 10 in.) | | | | |
| **H** | Cab Height | 3.14 m (10 ft. 4 in.) | | | | |
| **I** | Track Width with Shoes | 600 mm (24 in.) / 700 mm (28 in.) / 800 mm (32 in.) | | | | |
| **J** | Gauge Width | 2.59 m (8 ft. 6 in.) | | | | |
| **K** | Ground Clearance | 0.50 m (20 in.) | | | | |
| **L** | Overall Width with Shoes | | | | | |
| | 600 mm (24 in.) | 3.19 m (10 ft. 6 in.) | | | | |
| | 700 mm (28 in.) | 3.29 m (10 ft. 10 in.) | | | | |
| | 800 mm (32 in.) | 3.39 m (11 ft. 2 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 800-mm (32 in.) shoes; standard gauge; and situated on firm, 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.

| | 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.) | | 9.0 m (30 ft.) | |
| **LOAD POINT HEIGHT** | **Over Front** | **Over Side** | **Over Front** | **Over Side** | **Over Front** | **Over Side** | **Over Front** | **Over Side** | **Over Front** | **Over Side** | **Over Front** | **Over Side** |
| *With 2.1-m (6 ft. 10 in.) ME arm, 5.7-m (18 ft. 8 in.) ME boom, and 1273-kg (2,806 lb.) bucket* | | | | | | | | | | | | |
| 6.0 m (20 ft.) | | | | | | | **10 841 (23,900)** | 8528 (18,800) | | | | |
| 4.5 m (15 ft.) | | | | | **14 674 (32,350)** | 13 245 (29,200) | **11 635 (25,650)** | 8187 (18,050) | | | | |
| 3.0 m (10 ft.) | | | | | | | **12 859 (28,350)** | 7756 (17,100) | 8981 (19,800) | 5330 (11,750) | | |
| 1.5 m (5 ft.) | | | | | | | 12 701 (28,000) | 7371 (16,250) | 8800 (19,400) | 5194 (11,450) | | |
| Ground Line | | | | | **19 028 (41,950)** | 11 249 (24,800) | 12 474 (27,500) | 7189 (15,850) | | | | |
| –1.5 m (–5 ft.) | | | **21 818 (48,100)** | **21 818 (48,100)** | **17 305 (38,150)** | 11 317 (24,950) | 12 496 (27,550) | 7212 (15,900) | | | | |
| –3.0 m (–10 ft.) | | | **17 463 (38,500)** | **17 463 (38,500)** | **13 676 (30,150)** | 11 657 (25,700) | | | | | | |

**Lift Capacities** ***(continued)*** **350G 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 800-mm (32 in.) shoes; standard gauge; and situated on firm, 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.

| | 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.) | | 9.0 m (30 ft.) | |
| LOAD POINT HEIGHT | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side |
| *With 2.67-m (8 ft. 9 in.) HD arm, 5.7-m (18 ft. 8 in.) ME boom, and 1273-kg (2,806 lb.) bucket* | | | | | | | | | | | | |
| 6.0 m (20 ft.) | | | | | | | **9888** **(21,800)** | 8732 (19,250) | | | | |
| 4.5 m (15 ft.) | | | | | **13 404** **(29,550)** | **13 404** **(29,550)** | **10 864** **(23,950)** | 8391 (18,500) | 9299 (20,500) | 5625 (12,400) | | |
| 3.0 m (10 ft.) | | | | | **16 579** **(36,550)** | **12 565** **(27,700)** | **12 270** **(27,050)** | 7938 (17,500) | 9095 (20,050) | 5420 (11,950) | | |
| 1.5 m (5 ft.) | | | | | **18 847** **(41,550)** | **11 725** **(25,850)** | 12 859 (28,350) | 7507 (16,550) | 8868 (19,550) | 5239 (11,550) | | |
| Ground Line | | | | | **19 323** **(42,600)** | 11 362 (25,050) | 12 565 (27,700) | 7235 (15,950) | 8732 (19,250) | 5103 (11,250) | | |
| –1.5 m (–5 ft.) | | | **19 686** **(43,400)** | **19 686** **(43,400)** | **18 189** **(40,100)** | 11 340 (25,000) | 12 474 (27,500) | 7189 (15,850) | | | | |
| –3.0 m (–10 ft.) | | | **20 752** **(45,750)** | **20 752** **(45,750)** | **15 377** **(33,900)** | 11 544 (25,450) | **10 977** **(24,200)** | 7348 (16,200) | | | | |
| *With 2.67-m (8 ft. 9 in.) HD arm, 6.4-m (21 ft. 0 in.) boom, and 1170-kg (2,580 lb.) bucket* | | | | | | | | | | | | |
| 6.0 m (20 ft.) | | | | | | | **9496** **(20,636)** | 9213 (19,803) | **8705** **(19,093)** | 6162 (13,179) | | |
| 4.5 m (15 ft.) | | | | | **14 206** **(30,447)** | 14 021 (30,255) | **10 894** **(23,562)** | 8801 (18,960) | **9279** **(20,190)** | 6021 (12,922) | | |
| 3.0 m (10 ft.) | | | | | **17 742** **(38,067)** | 12 827 (27,693) | **12 506** **(27,011)** | 8285 (17,857) | 9573 (20,571) | 5798 (12,462) | | |
| 1.5 m (5 ft.) | | | | | | | 13 399 (28,794) | 7868 (16,949) | 9319 (20,037) | 5570 (11,982) | | |
| | | | | | **(36,850)** | (26,125) | | | | | | |
| Ground Line | | | | | **18 814** **(42,867)** | 11 932 (25,647) | 13 127 (28,197) | 7634 (16,432) | 9155 (19,685) | 5423 (11,666) | | |
| –1.5 m (–5 ft.) | | | **12 495** **(28,545)** | **12 495** **(28,545)** | **18 754** **(40,705)** | 11 959 (25,693) | 13 059 (28,045) | 7575 (16,301) | 9117 (19,617) | 5389 (11,605) | | |
| –3.0 m (–10 ft.) | | | **21 868** **(47,544)** | **21 868** **(47,544)** | **16 665** **(36,066)** | 12 147 (26,109) | **12 606** **(27,142)** | 7679 (16,540) | | | | |
| –4.5 m (–15 ft.) | | | **16 500** **(35,354)** | **16 500** **(35,354)** | **12 776** **(27,209)** | 12 551 (27,027) | | | | | | |
| *With 2.67-m (8 ft. 9 in.) HD arm, 6.4-m (21 ft. 0 in.) boom, and 1273-kg (2,806 lb.) bucket* | | | | | | | | | | | | |
| 6.0 m (20 ft.) | | | | | | | **9117** **(20,100)** | 8596 (18,950) | **8482** **(18,700)** | 5693 (12,550) | | |
| 4.5 m (15 ft.) | | | | | **13 449** **(29,650)** | 13 109 (28,900) | **10 387** **(22,900)** | 8142 (17,950) | **8913** **(19,650)** | 5534 (12,200) | | |
| 3.0 m (10 ft.) | | | | | **16 874** **(37,200)** | 11 884 (26,200) | **11 929** **(26,300)** | 7620 (16,800) | 8890 (19,600) | 5284 (11,650) | | |
| 1.5 m (5 ft.) | | | | | **17 055** **(37,600)** | 11 158 (24,600) | 12 474 (27,500) | 7212 (15,900) | 8641 (19,050) | 5058 (11,150) | | |
| Ground Line | | | | | **19 006** **(41,900)** | 10 932 (24,100) | 12 202 (26,900) | 6963 (15,350) | 8482 (18,700) | 4899 (10,800) | | |
| –1.5 m (–5 ft.) | | | **13 177** **(29,050)** | **13 177** **(29,050)** | **18 030** **(39,750)** | 10 954 (24,150) | 12 134 (26,750) | 6895 (15,200) | 8459 (18,650) | 4876 (10,750) | | |
| –3.0 m (–10 ft.) | | | **21 001** **(46,300)** | **21 001** **(46,300)** | **15 944** **(35,150)** | 11 158 (24,600) | **11 975** **(26,400)** | 7008 (15,450) | | | | |
| –4.5 m (–15 ft.) | | | **15 490** **(34,150)** | **15 490** **(34,150)** | **11 952** **(26,350)** | 11 612 (25,600) | | | | | | |

**Lift Capacities** ***(continued)*** **350G 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 800-mm (32 in.) shoes; standard gauge; and situated on firm, 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.

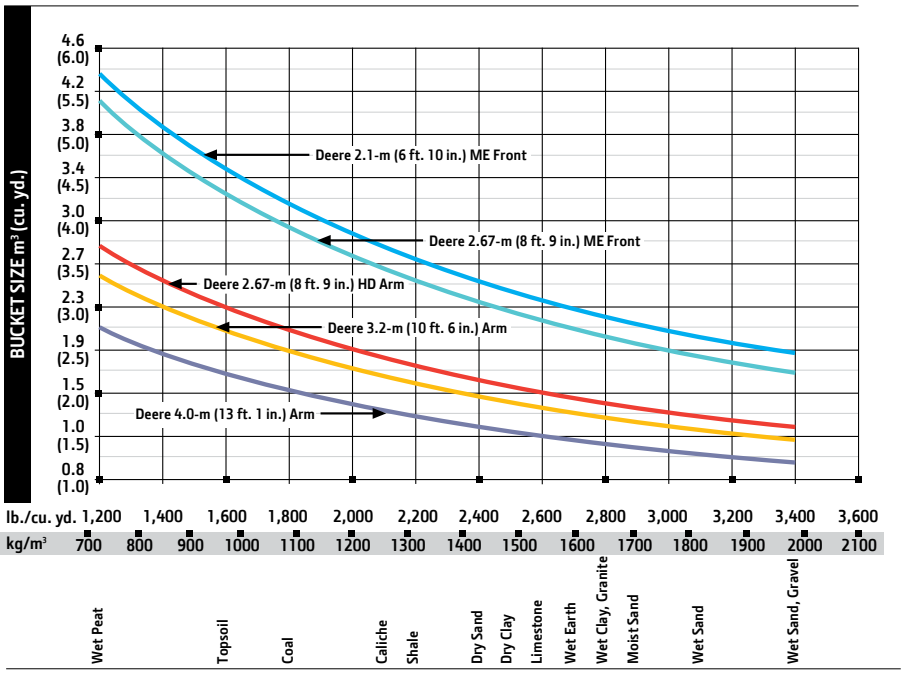
| | HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 m (5 ft.) | | 3.0 m (10 ft.) | | 4.5 m (15 ft.) | | 6.0 m (20 ft.) | | 7.5 m (25 ft.) | | 9.0 m (30 ft.) | |
| LOAD POINT HEIGHT | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side |
| *With 3.2-m (10 ft. 6 in.) arm, 6.4-m (21 ft. 0 in.) boom, and 1170-kg (2,580 lb.) bucket* | | | | | | | | | | | | |
| 6.0 m (20 ft.) | | | | | | | | | **8008 (17,528)** | 6249 (13,381) | | |
| 4.5 m (15 ft.) | | | | | | | **10 108 (21,858)** | 8940 (19,242) | **8700 (18,923)** | 6077 (13,042) | **6425** | 4268 |
| 3.0 m (10 ft.) | | | | | **16 457 (35,331)** | 13 179 (28,428) | **11 834 (25,561)** | 8402 (18,102) | **9604** (20,664) | 5832 (12,529) | 7003 (15,009) | 4180 (8,936) |
| 1.5 m (5 ft.) | | | | | **19 033 (41,053)** | 12 300 (26,492) | **13 321 (28,796)** | 7933 (17,084) | 9338 (20,070) | 5579 (11,995) | 6882 (14,768) | 4069 (8,714) |
| Ground Line | | | | | **19 818 (42,912)** | 11 930 (25,649) | 13 140 (28,219) | 7635 (16,430) | 9132 (19,628) | 5395 (11,598) | 6794 (14,592) | 3988 (8,553) |
| –1.5 m (–5 ft.) | | | **11 956 (27,138)** | **11 956 (27,138)** | **19 291 (41,824)** | 11 864 (25,490) | 13 002 (27,916) | 7516 (16,168) | 9042 (19,442) | 5314 (11,431) | | |
| –3.0 m (–10 ft.) | **14 280 (32,048)** | **14 280 (32,048)** | **19 673 (44,674)** | **19 673 (44,674)** | **17 649 (38,194)** | 11 988 (25,762) | 13 051 (28,032) | 7558 (16,269) | 9105 (19,608) | 5371 (11,580) | | |
| –4.5 m (–15 ft.) | | | **19 521 (41,956)** | **19 521 (41,956)** | **14 491 (31,054)** | 12 307 (26,481) | **10 645 (22,511)** | 7794 (16,823) | | | | |
| *With 4.0-m (13 ft. 1 in.) arm, 6.4-m (21 ft. 0 in.) boom, and 1170-kg (2,580 lb.) bucket* | | | | | | | | | | | | |
| 7.5 m (25 ft.) | | | | | | | | | **(14,716)** | (13,856) | | |
| 6.0 m (20 ft.) | | | | | | | | | **7015 (15,348)** | 6409 (13,734) | **5727 (11,021)** | 4442 (9,453) |
| 4.5 m (15 ft.) | | | | | | | | | **7813 (16,997)** | 6203 (13,312) | **7212** (15,462) | 4370 (9,335) |
| 3.0 m (10 ft.) | | | | | **14 409 (30,952)** | 13 717 (29,563) | **10 708 (23,138)** | 8612 (18,543) | **8838 (19,174)** | 5923 (12,721) | 7070 (15,160) | 4234 (9,058) |
| 1.5 m (5 ft.) | | | | | **17,673 (38,094)** | 12 624 (27,185) | **12 469 (26,955)** | 8065 (17,362) | 9401 (20,198) | 8626 (12,090) | 6904 (14,815) | 4082 (8,741) |
| Ground Line | | | **6735 (15,416)** | **6735 (15,416)** | **19 386 (41,927)** | 12 004 (25,812) | 13 195 (28,331) | 7669 (16,500) | 9133 (19,623) | 5386 (11,573) | 6766 (14,526) | 3955 (8,476) |
| –1.5 m (–5 ft.) | **6807 (15,227)** | **6807 (15,227)** | **10 880 (24,662)** | **10 880 (24,662)** | **19 638 (42,536)** | 11 769 (25,286) | 12 949 (27,797) | 7458 (16,037) | 8974 (19,285) | 5244 (11,269) | 6692 (14,381) | 3887 (8,342) |
| –3.0 m (–10 ft.) | **11 398 (25,572)** | **11 398 (25,572)** | **16 291 (36,941)** | **16 291 (36,941)** | **18 694 (40,455)** | 11 779 (25,307) | 12 899 (27,693) | 7414 (15,947) | 8945 (19,236) | 5218 (11,226) | | |
| –4.5 m (–15 ft.) | **16 873 (38,021)** | **16 873 (38,021)** | **23 293 (50,183)** | **23 293 (50,183)** | **16 436 (35,373)** | 11 987 (25,775) | **12 165 (26,067)** | 7536 (16,233) | **8817 (18,456)** | 5356 (11,576) | | |
| –6.0 m (–20 ft.) | | | **16 669 (35,135)** | **16 669 (35,135)** | **12 038 (25,239)** | **12 038 (25,239)** | **8137** | 7927 | | | | |

## Buckets — 350G 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 Fanggs™ teeth 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, 2.67 m (8 ft. 9 in.) HD | | Arm Dig Force, 3.2 m (10 ft. 6 in.) | | Arm Dig Force, 4.0 m (13 ft. 1 in.) | | Bucket Tip Radius | | Number of Teeth |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mm | in. | $m^3$ | cu. yd. | kg | lb. | kN | lb. | kN | lb. | kN | lb. | kN | lb. | mm | in. | |
| Heavy Duty Plate Lip | 914 | 36 | 1.13 | 1.5 | 971 | 2,140 | 225.2 | 496 | 204.2 | 450 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 4 |
| | 1067 | 42 | 1.34 | 1.7 | 1003 | 2,212 | 225.2 | 496 | 204.2 | 450 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 5 |
| | 1219 | 48 | 1.55 | 2.0 | 1055 | 2,326 | 225.2 | 496 | 204.2 | 450 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 6 |
| | 1372 | 54 | 1.76 | 2.3 | 1161 | 2,559 | 225.2 | 496 | 204.2 | 450 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 6 |
| Heavy Duty High Capacity | 760 | 30 | 0.96 | 1.3 | 1142 | 2,518 | 204.2 | 450 | 196.6 | 433 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 4 |
| | 914 | 36 | 1.19 | 1.6 | 1263 | 2,783 | 204.2 | 450 | 196.6 | 433 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 4 |
| | 1067 | 42 | 1.41 | 1.8 | 1416 | 3,123 | 204.2 | 450 | 196.6 | 433 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 5 |
| | 1219 | 48 | 1.64 | 2.1 | 1506 | 3,321 | 204.2 | 450 | 196.6 | 433 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 6 |
| | 1372 | 54 | 1.87 | 2.4 | 1617 | 3,565 | 204.2 | 450 | 196.6 | 433 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 6 |

## Bucket Selection Guide*



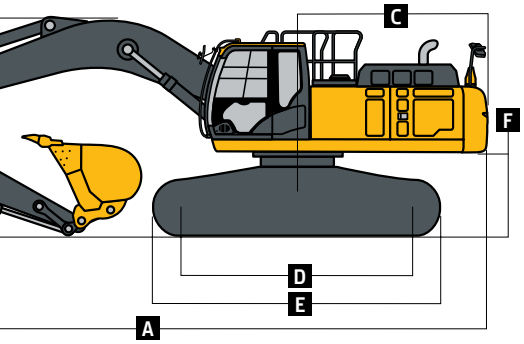

*Contact your John Deere dealer for optimum bucket and attachment selections. These recommendations are for general conditions and average use. Does not include optional equipment such as thumbs or couplers. Larger buckets may be possible when using light materials, for flat and level operations, less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

# 380G LC

| Engine | 380G LC | | |
|---|---|---|---|
| | **Base engine for use in U.S. and U.S. Territories** | | |
| Manufacturer and Model | John Deere PowerTech™ PSS 9.0 L | | |
| Non-Road Emission Standard | EPA Final Tier 4/EU Stage IV | | |
| Net Rated Power (ISO 9249) | 202 kW (271 hp) at 1,900 rpm | | |
| Cylinders | 6 | | |
| Displacement | 9.0 L (549 cu. in.) | | |
| Off-Level Capacity | 70% (35 deg.) | | |
| Aspiration | Series 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 | 3.2 km/h (2.0 mph) | | |
| High | 5.0 km/h (3.1 mph) | | |
| Drawbar Pull | 30 350 kg (66,900 lb.) | | |
| **Hydraulics** | | | |
| Open center, load sensing | | | |
| **Main Pumps** | 2 variable-displacement pumps | | |
| Maximum Rated Flow | 288 L/m (76.1 gpm) x 2 | | |
| **Pilot Pump** | 1 gear | | |
| Maximum Rated Flow | 30.2 L/m (8.0 gpm) | | |
| Pressure Setting | 3900 kPa (566 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)** | 145 mm (5.7 in.) | 100 mm (3.9 in.) | 1520 mm (59.8 in.) |
| **Arm (1)** | 170 mm (6.7 in.) | 115 mm (4.5 in.) | 1740 mm (68.5 in.) |
| **Bucket (1)** | 140 mm (5.5 in.) | 95 mm (3.7 in.) | 1250 mm (49.2 in.) |
| **Electrical** | | | |
| Number of Batteries (12 volt) | 2 | | |
| Battery Capacity | 1,400 CCA | | |
| Alternator Rating | 100 amp | | |
| Work Lights | 2 halogen (1 mounted on boom, 1 on frame) | | |
| **Undercarriage** | | | |
| **Rollers (each side)** | | | |
| Carrier | 2 | | |
| Track | 8 | | |
| Shoes, Triple Semi-Grousers (each side) | 48 | | |
| **Track** | | | |
| Adjustment | Hydraulic | | |
| Guides | 3 per side | | |
| Chain | Sealed and lubricated | | |

4.0 m (13 ft. 1 in.)
11.29 m (37 ft. 1 in.)
3.60 m (11 ft. 10 in.)

) HD




tability-limited capacities, in kg (lb.). All lift capacities are based on ISO 10567 (with (32 in.) HD shoes; standard gauge; and situated on firm, uniform supporting surface. nt of hydraulic capacities or 75 percent of weight needed to tip machine.

TAL DISTANCE FROM CENTERLINE OF ROTATION

| 4.5 m (15 ft.) | | 6.0 m (20 ft.) | | 7.5 m (25 ft.) | | 9.0 m (30 ft.) | |
|---|---|---|---|---|---|---|---|
| Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side |
| | | | | **7806** | 6710 | | |
| | | | | **(17,082)** | (14,371) | | |
| | | **9878** | 9578 | **8475** | 6515 | **6368** | 4579 |
| | | **(21,357)** | (20,618) | **(18,430)** | (13,985) | | |
| **6 096** | 14 063 | **11 549** | 8981 | **9351** | 6241 | 7495 | 4479 |
| **4,555)** | (30,342) | **(24,944)** | (19,352) | **(20,278)** | (13,410) | (16,066) | (9,578) |
| **8 594** | 13 091 | **12 991** | 8462 | 9974 | 5961 | 7360 | 4356 |
| **0,102)** | (28,200) | **(28,079)** | (18,225) | (21,440) | (12,817) | (15,795) | (9,329) |
| **9 348** | 12 683 | **13 792** | 8133 | 9747 | 5757 | 7262 | 4266 |
| **1,891)** | (27,271) | **(29,848)** | (17,503) | (20,953) | (12,380) | (15,602) | (9,152) |
| **8 817** | 12 614 | **13 787** | 8003 | 9650 | 5670 | | |
| **0,794)** | (27,102) | (29,755) | (17,218) | (20,751) | (12,198) | | |
| **7 190** | 12 755 | **12 828** | 8053 | **9604** | 5735 | | |
| **7,195)** | (27,413) | **(27,670)** | (17,335) | **(20,489)** | (12,369) | | |
| **4 064** | 13 113 | **10 310** | 8318 | | | | |
| **0,129)** | (28,219) | **(21,788)** | (17,958) | | | | |

## Lift Capacities *(continued)* 380G LC

**Boldface type** indicates hydraulically limited capacity; lightface type indicates stabil power boost). Machine equipped with 1270-kg (2,800 lb.) bucket and 800-mm (32 i Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of

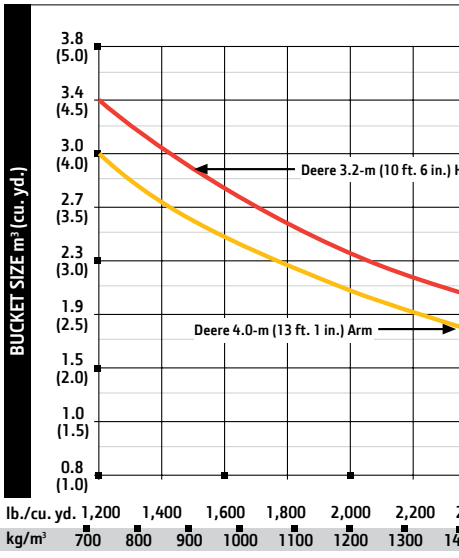
| | HORIZONTAL D | | | | |
|---|---|---|---|---|---|
| | 1.5 m (5 ft.) | | 3.0 m (10 ft.) | | 4.5 |
| LOAD POINT HEIGHT | Over Front | Over Side | Over Front | Over Side | Over Front |
| *With 4.0-m (13 ft. 1 in.) arm* | | | | | |
| 7.5 m (25 ft.) | | | | | |
| 6.0 m (20 ft.) | | | | | |
| 4.5 m (15 ft.) | | | | | |
| 3.0 m (10 ft.) | | | | | **14 26** **(30,63** |
| 1.5 m (5 ft.) | | | | | **17 45** **(37,63** |
| Ground Line | | | **6730** **(15,403)** | **6730** **(15,403)** | **19 13** **(41,37** |
| –1.5 m (–5 ft.) | **6799** **(15,210)** | **6799** **(15,210)** | **10 863** **(24,660)** | **10 863** **(24,660)** | **19 37** **(41,95** |
| –3.0 m (–10 ft.) | **11 387** **(25,561)** | **11 387** **(25,561)** | **16 293** **(36,911)** | **16 293** **(36,911)** | **18 42** **(39,87** |
| –4.5 m (–15 ft.) | **16 888** **(37,963)** | **16 888** **(37,963)** | **22 921** **(49,377)** | **22 921** **(49,377)** | **16 17** **(34,81** |
| –6.0 m (–20 ft.) | | | **16 336** **(34,418)** | **16 336** **(34,418)** | **11 80** **(24,74** |

## Buckets

A full line of buckets is offered to meet a wide variety of applications. Digging force ESCO teeth standard. Replaceable cutting edges and a variety of teeth are available th Capacities are SAE heaped ratings.

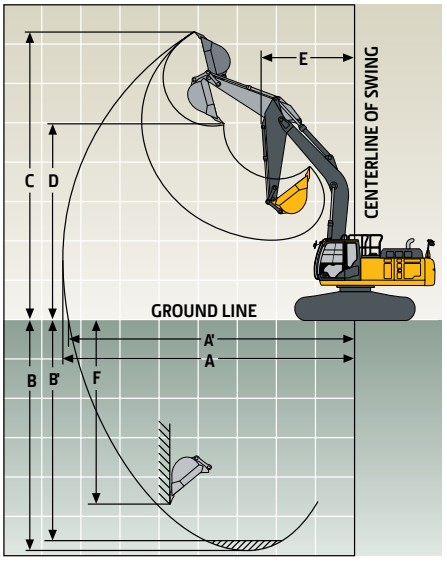
| Type Bucket | Bucket Width | | Bucket Capacity | | Bucket Weight | | Buc Dig F |
|---|---|---|---|---|---|---|---|
| | mm | in. | $m^3$ | cu. yd. | kg | lb. | kN |
| Heavy Duty Plate Lip | 914 | 36 | 1.13 | 1.5 | 971 | 2,140 | 225.2 |
| | 1067 | 42 | 1.34 | 1.7 | 1003 | 2,212 | 225.2 |
| | 1219 | 48 | 1.55 | 2.0 | 1055 | 2,326 | 225.2 |
| | 1372 | 54 | 1.76 | 2.3 | 1161 | 2,559 | 225.2 |
| Heavy Duty High Capacity | 760 | 30 | 0.96 | 1.3 | 1142 | 2,518 | 204.2 |
| | 914 | 36 | 1.19 | 1.6 | 1263 | 2,783 | 204.2 |
| | 1067 | 42 | 1.41 | 1.8 | 1416 | 3,123 | 204.2 |
| | 1219 | 48 | 1.64 | 2.1 | 1506 | 3,321 | 204.2 |
| | 1372 | 54 | 1.87 | 2.4 | 1617 | 3,565 | 204.2 |

## Bucket Selection Guide*




*Contact your John Deere dealer for optimum bucket and attachment selections. These rec equipment such as thumbs or couplers. Larger buckets may be possible when using light m applications such as mass-excavation applications in ideal conditions. Smaller buckets are surfaces. Bucket capacity indicated is SAE heaped.

| Ground Pressure | 380G LC | |
|---|---|---|
| 800-mm (32 in.) Triple Semi-Grouser Shoes | 53.5 kPa (7.77 psi) | |
| **Swing Mechanism** | | |
| Speed | 10.7 rpm | |
| Torque | 120 000 Nm (88,500 lb.-ft.) | |
| **Serviceability** | | |
| **Refill Capacities** | | |
| Fuel Tank | 628 L (166 gal.) | |
| Diesel Exhaust Fluid (DEF) Tank | 35 L (9.3 gal.) | |
| Cooling System | 39.7 L (10.5 gal.) | |
| Engine Oil with Filter | 27 L (7.2 gal.) | |
| Hydraulic Tank | 193 L (51 gal.) | |
| Hydraulic System | 290 L (77 gal.) | |
| Swing Drive | 11.8 L (12.5 qt.) | |
| Gearbox | | |
| Propel (each) | 8.5 L (9.0 qt.) | |
| Pump Drive | 1.1 L (1.2 qt.) | |
| **Operating Weights** | | |
| With full fuel tank; 79-kg (175 lb.) operator; 1.76-m³ (2.3 cu. yd.), 1370-mm (54 in.), 1160-kg (2,557 lb.) bucket; 4.0-m (13 ft. 1 in.) arm; 7629-kg (16,819 lb.) counterweight; and 800-mm (32 in.) heavy-duty (HD) triple semi-grouser shoes | | |
| Operating Weight | 38 100 kg (83,992 lb.) | |
| **Component Weights** | | |
| Undercarriage, HD, with 800-mm (32 in.) HD Triple Semi-Grouser Shoes | 13 550 kg (29,872 lb.) | |
| HD One-Piece Boom (with arm cylinder) | 3500 kg (7,806 lb.) | |
| Arm with Bucket Cylinder and Linkage | | |
| 3.2 m (10 ft. 6 in.) HD | 1957 kg (4,315 lb.) | |
| 4.0 m (13 ft. 1 in.) | 1898 kg (4,184 lb.) | |
| Boom-Lift Cylinders (2), Total Weight | 624 kg (1,376 lb.) | |
| 1.76-m³ (2.3 cu. yd.), 1370-mm (54 in.) HD Bucket | 1160 kg (2,557 lb.) | |
| Counterweight, Standard | 7629 kg (16,819 lb.) | |
| **Operating Dimensions** | | |
| **Arm Length** | *3.2 m (10 ft. 6 in.) HD* | *4.0 m (13 ft. 1 in.)* |
| Arm Digging Force | | |
| SAE | 177.6 kN (39,930 lb.) | 152.6 kN (34,314 lb.) |
| ISO | 185.0 kN (41,590 lb.) | 159.0 kN (35,745 lb.) |
| Bucket Digging Force | | |
| SAE | 225.2 kN (50,628 lb.) | 225.2 kN (50,628 lb.) |
| ISO | 246.0 kN (55,303 lb.) | 246.0 kN (55,303 lb.) |
| **A** Maximum Reach | 11.10 m (36 ft. 5 in.) | 11.86 m (38 ft. 11 in.) |
| **A**[1] Maximum Reach at Ground Level | 10.89 m (35 ft. 9 in.) | 11.67 m (38 ft. 3 in.) |
| **B** Maximum Digging Depth | 7.38 m (24 ft. 3 in.) | 8.18 m (26 ft. 10 in.) |
| **B**[1] Maximum Digging Depth at 2.44-m (8 ft. 0 in.) Flat Bottom | 7.21 m (23 ft. 8 in.) | 8.04 m (26 ft. 5 in.) |
| **C** Maximum Cutting Height | 10.36 m (34 ft. 0 in.) | 10.75 m (35 ft. 3 in.) |
| **D** Maximum Dumping Height | 7.24 m (23 ft. 9 in.) | 7.63 m (25 ft. 0 in.) |
| **E** Minimum Swing Radius | 4.46 m (14 ft. 8 in.) | 4.47 m (14 ft. 8 in.) |
| **F** Maximum Vertical Wall | 6.42 m (21 ft. 1 in.) | 7.27 m (23 ft. 10 in.) |



# Additional equipment

**Key:** ● Standard ▲ Optional or special

See your John Deere dealer for further information.

| 350G | 380G | 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) |
| ● | ● | Programmable auto shutdown |
| ● | ● | 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 |
| ▲ | ▲ | Chrome exhaust stack |
| ▲ | ▲ | Electric ether starting aid |
| ▲ | ▲ | Hydraulic fan reverser |
| ▲ | ▲ | Engine coolant heater |
| ▲ | ▲ | 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 / Anti-drift 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 3 additional |
| ● | ● | 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.) |

| 350G | 380G | Undercarriage *(continued)* |
|---|---|---|
| ● | ● | Single-bar shoes, 700 mm (28 in.) Heavy Duty (HD) |
| ● | | Triple semi-grouser shoes, 800 mm (32 in.) |
| | ● | Triple semi-grouser shoes, 800 mm (32 in.) HD |
| ▲ | ▲ | Undercarriage frame opening guard |
| | | **Upperstructure** |
| ● | ● | Right-hand, left-hand, and counter-weight mirrors |
| ● | ● | Vandal locks with ignition key: Cab door / Service doors / Toolbox |
| ● | ● | Debris screen in side panel |
| ● | ● | Remote-mounted engine oil and fuel filters |
| ▲ | ▲ | "D" channel guard |
| | | **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, 2.67 m (8 ft. 9 in.) |
| ▲ | | Arm, 3.2 m (10 ft. 6 in.) |
| | ▲ | Arm, 3.2 m (10 ft. 6 in.) HD |
| ▲ | ▲ | Arm, 4.0 m (13 ft. 1 in.) |
| ▲ | ▲ | Attachment quick-couplers |
| ▲ | ▲ | Boom cylinder with plumbing to main-frame for less boom and arm |
| ▲ | ▲ | Buckets: Heavy duty / Heavy-duty high capacity / Side cutters and teeth |
| ▲ | ▲ | Material clamps |
| ▲ | ▲ | Super-long fronts |
| | | **Operator's Station** |
| ● | ● | 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 |
| ● | ● | Hourmeter, electric |

| 350G | 380G | Operator's Station *(continued)* |
|---|---|---|
| ● | ● | Hydraulic shutoff lever, all controls |
| ● | ● | Hydraulic warm-up control |
| ● | ● | Interior light |
| ● | ● | Large cup holder |
| ● | ● | Machine Information Center (MIC) |
| ● | ● | Mode selectors (illuminated): Power modes – 3 / Travel modes – 2 with automatic shift / Work mode – one |
| ● | ● | 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 1370-mm (54 in.) buckets, full fuel tanks, and 79-kg (175 lb.) operators; a 350G LC unit with 6928-kg (15,274 lb.) counterweight and 800-mm (32 in.) triple semi-grouser shoes; and a 380G LC unit with 7629-kg (16,819 lb.) counterweight and 800-mm (32 in.) heavy-duty triple semi-grouser shoes.



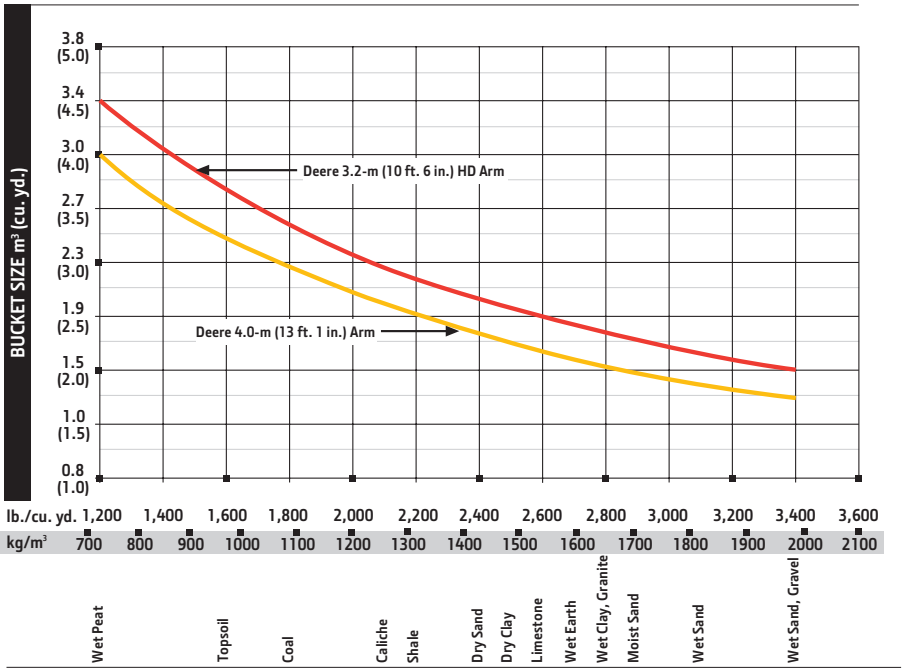
JohnDeere.com

## Buckets 380G 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 Fanggs™ teeth 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 3.2 m (10 ft. 6 in.) HD | | Arm Dig Force 4.0 m (13 ft. 1 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 | 914 | 36 | 1.13 | 1.5 | 971 | 2,140 | 225.2 | 496 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 4 |
| | 1067 | 42 | 1.34 | 1.7 | 1003 | 2,212 | 225.2 | 496 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 5 |
| | 1219 | 48 | 1.55 | 2.0 | 1055 | 2,326 | 225.2 | 496 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 6 |
| | 1372 | 54 | 1.76 | 2.3 | 1161 | 2,559 | 225.2 | 496 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 6 |
| Heavy Duty High Capacity | 760 | 30 | 0.96 | 1.3 | 1142 | 2,518 | 204.2 | 450 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 4 |
| | 914 | 36 | 1.19 | 1.6 | 1263 | 2,783 | 204.2 | 450 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 4 |
| | 1067 | 42 | 1.41 | 1.8 | 1416 | 3,123 | 204.2 | 450 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 5 |
| | 1219 | 48 | 1.64 | 2.1 | 1506 | 3,321 | 204.2 | 450 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 6 |
| | 1372 | 54 | 1.87 | 2.4 | 1617 | 3,565 | 204.2 | 450 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 6 |

## 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.

| 350G | 380G | 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) |
| ● | ● | Programmable auto shutdown |
| ● | ● | 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 |
| ▲ | ▲ | Chrome exhaust stack |
| ▲ | ▲ | Electric ether starting aid |
| ▲ | ▲ | Hydraulic fan reverser |
| ▲ | ▲ | Engine coolant heater |
| ▲ | ▲ | 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 / Anti-drift 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 3 additional |
| ● | ● | 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.) |

| 350G | 380G | Undercarriage *(continued)* |
|---|---|---|
| ● | ● | Single-bar shoes, 700 mm (28 in.) Heavy Duty (HD) |
| ● | | Triple semi-grouser shoes, 800 mm (32 in.) |
| | ● | Triple semi-grouser shoes, 800 mm (32 in.) HD |
| ▲ | ▲ | Undercarriage frame opening guard |
| | | **Upperstructure** |
| ● | ● | Right-hand, left-hand, and counter-weight mirrors |
| ● | ● | Vandal locks with ignition key: Cab door / Service doors / Toolbox |
| ● | ● | Debris screen in side panel |
| ● | ● | Remote-mounted engine oil and fuel filters |
| ▲ | ▲ | "D" channel guard |
| | | **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, 2.67 m (8 ft. 9 in.) |
| ▲ | | Arm, 3.2 m (10 ft. 6 in.) |
| | ▲ | Arm, 3.2 m (10 ft. 6 in.) HD |
| ▲ | ▲ | Arm, 4.0 m (13 ft. 1 in.) |
| ▲ | ▲ | Attachment quick-couplers |
| ▲ | ▲ | Boom cylinder with plumbing to main-frame for less boom and arm |
| ▲ | ▲ | Buckets: Heavy duty / Heavy-duty high capacity / Side cutters and teeth |
| ▲ | ▲ | Material clamps |
| ▲ | ▲ | Super-long fronts |
| | | **Operator's Station** |
| ● | ● | 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 |
| ● | ● | Hourmeter, electric |

| 350G | 380G | Operator's Station *(continued)* |
|---|---|---|
| ● | ● | Hydraulic shutoff lever, all controls |
| ● | ● | Hydraulic warm-up control |
| ● | ● | Interior light |
| ● | ● | Large cup holder |
| ● | ● | Machine Information Center (MIC) |
| ● | ● | Mode selectors (illuminated): Power modes – 3 / Travel modes – 2 with automatic shift / Work mode – one |
| ● | ● | 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 / One mounted on boom / One mounted on frame |
| ▲ | ▲ | 2 lights mounted on cab / One mounted on right side of boom / One 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 1370-mm (54 in.) buckets, full fuel tanks, and 79-kg (175 lb.) operators; a 350G LC unit with 6928-kg (15,274 lb.) counterweight and 800-mm (32 in.) triple semi-grouser shoes; and a 380G LC unit with 7629-kg (16,819 lb.) counterweight and 800-mm (32 in.) heavy-duty triple semi-grouser shoes.

SAFETY live with it

JohnDeere.com

DKAX350380G Litho in U.S.A. (14-06)

# 350G LC/380G LC

35–38 metric ton

JOHN DEERE

# Put more work within reach.

Whether you're loading trucks, digging trenches, demolishing structures, or placing pipe, you'll get more done with our G-Series Excavators. Their rugged EPA Final Tier 4 (FT4)/EU Stage IV PowerTech™ diesel engines meet rigid emission regulations, enabling you to work, everywhere there's work — without compromising power, reliability, or ease of operation. Customer-inspired refinements include a comfortable, spacious cab. And an enhanced LCD monitor with simplified navigation that lets an operator easily dial-in a wealth of machine information and functionality. Exceptional power, smoothness, and ease of operation — the 350G LC and 380G LC deliver all you've come to expect in John Deere excavators. And then some.


| Key specifications | 350G LC | 380G LC |
|---|---|---|
| Net rated power | 202 kW (271 hp) | 202 kW (271 hp) |
| Operating weight | 35 650 kg (78,550 lb.) | 38 100 kg (83,992 lb.) |
| Maximum digging depth | 8.18 m (26 ft. 10 in.) | 8.18 m (26 ft. 10 in.) |
| Arm digging force | 152.6–159.0 kN (34,314–35,745 lb.) | 152.6–159.0 kN (34,314–35,745 lb.) |
| Bucket digging force | 225.2–246.0 kN (50,628–55,303 lb.) | 225.2–246.0 kN (50,628–55,303 lb.) |


# Work harder. And smarter.

Who says you have to choose between working harder and working smarter? With our engine/hydraulic management system commanding impressive hydraulic muscle, these excavators do both — putting that extra ability to work with typically smooth operation and finesse. Add to this three power modes and power boost, and these excavators provide everything you need to give productivity an extra push. Combining brawn and brains, our G-Series is a wise choice.

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** limits top speed and helps save fuel.

Choose from a variety of track widths, arm lengths, buckets, high-flow auxiliary hydraulic packages, and numerous other options.

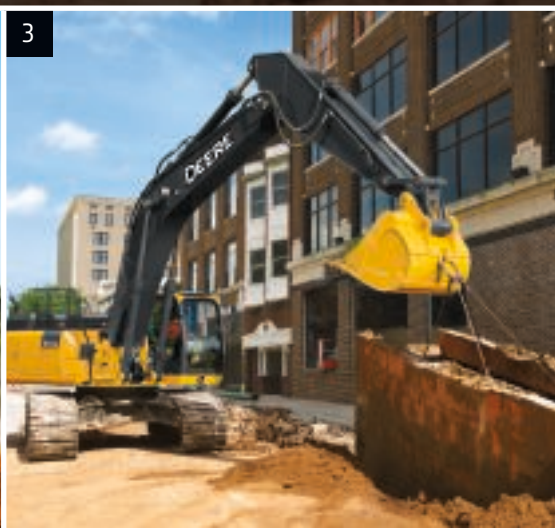
**Need extra stability or lift capacity? Opt for the 380G LC. Its standard heavy-duty boom, 3.2-m (10 ft. 6 in.) heavy-duty arm, and undercarriage provide the stamina and strength to handle demanding pipeline, demolition, and scrap-handling tasks.**

**1.** Low-effort joysticks, unmatched metering, and smooth multifunction operation deliver the control and finesse you need for utility work.

**2.** 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.

**3.** When the task calls for a little extra, simply press the power-boost button on the right-hand control and muscle through.





# Operating ease takes a turn for the better.

G-Series Excavators make it easy 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 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 needed to do your best work.


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 has 267 mm (10½ 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.

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

Optional cab and right-side boom lights provide extra illumination to extend your workday beyond daylight hours.

A 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.

**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.

When you've got places to go, people to see, and schedules to keep, you need dependable workers like these. Built to deliver unsurpassed uptime, these go-getters employ many of the same job-proven digging structures and hydraulic, electrical, and undercarriage components as their highly regarded predecessors. You'll also continue to profit from durability-enhancing "extras" such as tungsten-carbide-coated wear surfaces, welded-boom bulkheads, wet-sleeve engine liners, and extended service intervals. When you know how they're built, you'll run a Deere.

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

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.

Grooved bushings and thermal-coated bucket joints increase arm- and boom-lube intervals to 500 hours.

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

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

**3.** Highly efficient, heavy-duty cooling system keeps things cool, even in tough environments or high altitudes.

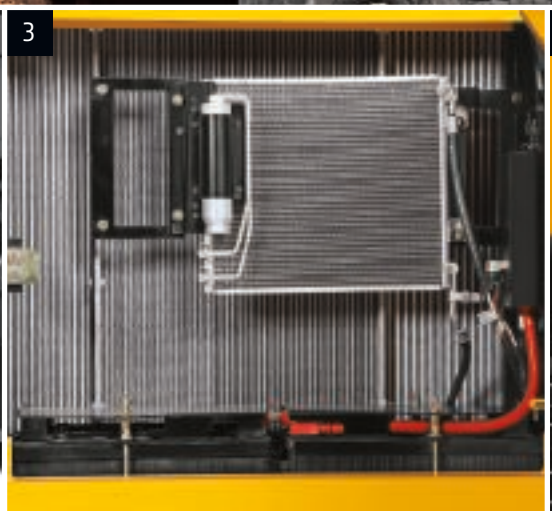
**4.** Reinforced D-channel side frames provide maximum cab and component protection.

John Deere PowerTech EPA Final Tier 4 (FT4)/EU Stage IV diesel engines meet emission regulations without sacrificing power or torque. We built on our Interim Tier 4 (IT4)/Stage IIIB solution to deliver the best combination of performance, efficiency, and reliability. 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.

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






# Seeking simplified maintenance? You'll become a big fan of the G-Series.

Swing open the side panels and you'll discover many of the numerous ways these excavators can minimize maintenance, increase uptime, and reduce daily operating costs. The hydraulically driven fan runs only as fast or often as needed, reducing fuel consumption and wear-causing debris flow through the cooler cores. Grouped service points make quick work of the daily routine. Easy-to-check sight gauges and fluid reservoirs. Quick-change remote-mounted filters. Convenient fluid-sample ports and advanced self-diagnostics — with time- and money-saving advantages such as these, and a dealer-customized Ultimate Uptime package to help optimize your operation, there's more to like.

**1.** LCD monitor tracks scheduled maintenance intervals and issues reminders, including DPF servicing. Should a problem arise, it provides diagnostic information to help decrease downtime.

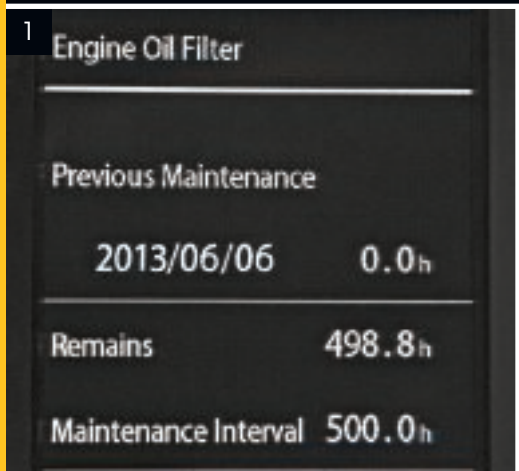
**2.** Diagnostic displays and fluid-sample ports help speed preventative maintenance and troubleshooting.

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

**4.** Ground-level fresh-air cab filter is quickly serviced from outside the cab. Where it's more likely to get done.

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

**6.** Cooler cores' 10-fin-per-inch spacing lets trash easily pass to resist plugging. Swing-out coolers provide added core access.





A second door has been added to the right side of the machine to provide even more wide-open access to components.

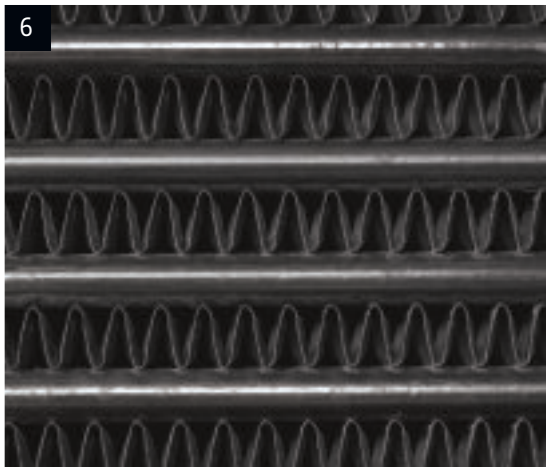
Optional reversing fan back-blows cooler cores to reduce debris buildup. It's a welcome addition that helps increase uptime.

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

Ash-service intervals for the diesel particulate filter (DPF) are condition based, meaning the machine will notify 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.

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.

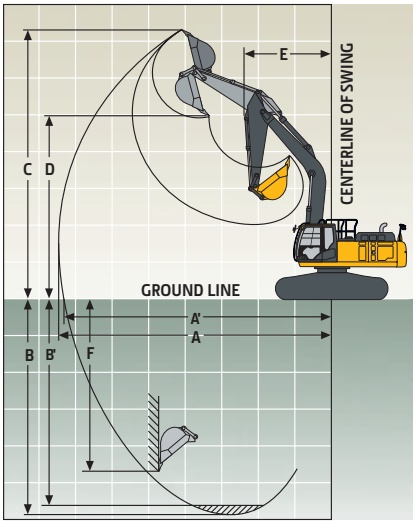


# 350G LC

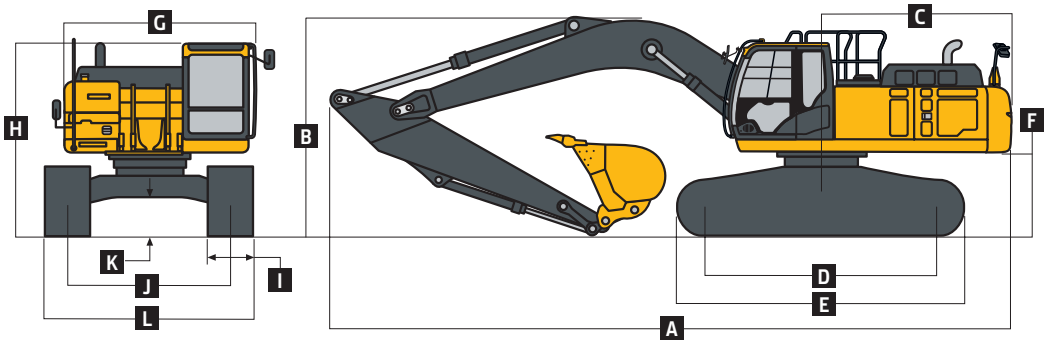
| Engine | 350G LC | | |
|---|---|---|---|
| | **Base engine for use in U.S. and U.S. Territories** | | |
| Manufacturer and Model | John Deere PowerTech™ PSS 9.0 L | | |
| Non-Road Emission Standard | EPA Final Tier 4/EU Stage IV | | |
| Net Rated Power (ISO 9249) | 202 kW (271 hp) at 1,900 rpm | | |
| Cylinders | 6 | | |
| Displacement | 9.0 L (549 cu. in.) | | |
| Off-Level Capacity | 70% (35 deg.) | | |
| Aspiration | Series 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 | 3.2 km/h (2.0 mph) | | |
| High | 5.0 km/h (3.1 mph) | | |
| Drawbar Pull | 30 350 kg (66,900 lb.) | | |
| **Hydraulics** | | | |
| Open center, load sensing | | | |
| **Main Pumps** | 2 variable-displacement pumps | | |
| Maximum Rated Flow | 288 L/m (76.1 gpm) x 2 | | |
| **Pilot Pump** | One gear | | |
| Maximum Rated Flow | 30.2 L/m (8.0 gpm) | | |
| Pressure Setting | 3900 kPa (566 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)** | 145 mm (5.7 in.) | 100 mm (3.9 in.) | 1520 mm (59.8 in.) |
| **Arm (1)** | 170 mm (6.7 in.) | 115 mm (4.5 in.) | 1740 mm (68.5 in.) |
| **Bucket (1)** | 140 mm (5.5 in.) | 95 mm (3.7 in.) | 1250 mm (49.2 in.) |
| **Mass-Excavating (ME) Bucket (1)** | 145 mm (5.7 in.) | 95 mm (3.7 in.) | 1250 mm (49.2 in.) |
| **Electrical** | | | |
| Number of Batteries (12 volt) | 2 | | |
| Battery Capacity | 1,400 CCA | | |
| Alternator Rating | 100 amp | | |
| Work Lights | 2 halogen (one mounted on boom, one on frame) | | |
| **Undercarriage** | | | |
| **Rollers (each side)** | | | |
| Carrier | 2 | | |
| Track | 8 | | |
| Shoes, Triple Semi-Grousers (each side) | 48 | | |
| **Track** | | | |
| Adjustment | Hydraulic | | |
| Guides | 3 per side | | |
| Chain | Sealed and lubricated | | |
| **Ground Pressure** | | | |
| 800-mm (32 in.) Triple Semi-Grouser Shoes | 50.1 kPa (7.27 psi) | | |


| Swing Mechanism | 350G LC |
|---|---|
| Speed | 10.7 rpm |
| Torque | 120 000 Nm (88,500 lb.-ft.) |
| **Serviceability** | |
| **Refill Capacities** | |
| Fuel Tank | 628 L (166 gal.) |
| Diesel Exhaust Fluid (DEF) Tank | 35 L (9.3 gal.) |
| Cooling System | 39.7 L (10.5 gal.) |
| Engine Oil with Filter | 27 L (7.2 gal.) |
| Hydraulic Tank | 193 L (51 gal.) |
| Hydraulic System | 290 L (77 gal.) |
| Swing Drive | 11.8 L (12.5 qt.) |
| Gearbox | |
| Propel (each) | 8.5 L (9.0 qt.) |
| Pump Drive | 1.1 L (1.2 qt.) |
| **Operating Weights** | |
| With full fuel tank; 79-kg (175 lb.) operator; 1.76-m³ (2.3 cu. yd.), 1370-mm (54 in.), 1160-kg (2,557 lb.) bucket; 4.0-m (13 ft. 1 in.) arm; 6928-kg (15,274 lb.) counterweight; and 800-mm (32 in.) triple semi-grouser shoes | |
| Operating Weight | 35 650 kg (78,550 lb.) |
| **Component Weights** | |
| Undercarriage with 800-mm (32 in.) Triple Semi-Grouser Shoes | 12 750 kg (28,100 lb.) |
| One-Piece Boom (with arm cylinder) | |
| 6.4 m (21 ft. 0 in.) | 3031 kg (6,682 lb.) |
| 5.7-m (18 ft. 8 in.) ME | 3234 kg (7,130 lb.) |
| Arm with Bucket Cylinder and Linkage | |
| 2.1 m (6 ft. 10 in.) ME | 1821 kg (4,015 lb.) |
| 2.67 m (8 ft. 9 in.) Heavy-Duty (HD) | 1909 kg (4,209 lb.) |
| 3.2 m (10 ft. 6 in.) | 1758 kg (3,876 lb.) |
| 4.0 m (13 ft. 1 in.) | 1898 kg (4,184 lb.) |
| Boom-Lift Cylinders (2), Total Weight | 624 kg (1,376 lb.) |
| 1.76-m³ (2.3 cu. yd.), 1370-mm (54 in.) HD Bucket | 1160 kg (2,557 lb.) |
| Counterweight, Standard | 6928 kg (15,274 lb.) |




| Operating Dimensions | | | | | | |
|---|---|---|---|---|---|---|
| | **Arm Length** | *2.1 m (6 ft. 10 in.) ME / 5.7-m (18 ft. 8 in.) Boom Length* | *2.67 m (8 ft. 9 in.) HD / 5.7-m (18 ft. 8 in.) Boom Length* | *2.67 m (8 ft. 9 in.) HD / 6.4-m (21 ft. 0 in.) Boom Length* | *3.2 m (10 ft. 6 in.) / 6.4-m (21 ft. 0 in.) Boom Length* | *4.0 m (13 ft. 1 in.) / 6.4-m (21 ft. 0 in.) Boom Length* |
| | Arm Digging Force | | | | | |
| | SAE | 275.0 kN (45,914 lb.) | 213.0 kN (45,914 lb.) | 204.2 kN (45,914 lb.) | 177.6 kN (39,930 lb.) | 152.6 kN (34,314 lb.) |
| | ISO | 288.0 kN (64,745 lb.) | 222.0 kN (49,908 lb.) | 222.0 kN (49,908 lb.) | 185.0 kN (41,590 lb.) | 159.0 kN (35,745 lb.) |
| | Bucket Digging Force | | | | | |
| | SAE | 229.0 kN (50,628 lb.) | 214.0 kN (50,628 lb.) | 225.2 kN (50,628 lb.) | 225.2 kN (50,628 lb.) | 225.2 kN (50,628 lb.) |
| | ISO | 264.0 kN (59,350 lb.) | 246.0 kN (55,303 lb.) | 246.0 kN (55,303 lb.) | 246.0 kN (55,303 lb.) | 246.0 kN (55,303 lb.) |
| **A** | Maximum Reach | 9.41 m (30 ft. 10 in.) | 9.93 m (32 ft. 7 in.) | 10.57 m (34 ft. 8 in.) | 11.10 m (36 ft. 5 in.) | 11.86 m (38 ft. 11 in.) |
| **A'** | Maximum Reach at Ground Level | 9.16 m (30 ft. 1 in.) | 9.69 m (31 ft. 9 in.) | 10.36 m (34 ft. 0 in.) | 10.89 m (35 ft. 9 in.) | 11.67 m (38 ft. 3 in.) |
| **B** | Maximum Digging Depth | 5.62 m (18 ft. 5 in.) | 6.22 m (20 ft. 5 in.) | 6.84 m (22 ft. 5 in.) | 7.38 m (24 ft. 3 in.) | 8.18 m (26 ft. 10 in.) |
| **B'** | Maximum Digging Depth at 2.44-m (8 ft. 0 in.) Flat Bottom | 5.39 m (17 ft. 8 in.) | 6.02 m (19 ft. 9 in.) | 6.64 m (21 ft. 9 in.) | 7.21 m (23 ft. 8 in.) | 8.04 m (26 ft. 5 in.) |
| **C** | Maximum Cutting Height | 9.43 m (30 ft. 11 in.) | 9.66 m (31 ft. 8 in.) | 9.99 m (32 ft. 9 in.) | 10.36 m (34 ft. 0 in.) | 10.75 m (35 ft. 3 in.) |
| **D** | Maximum Dumping Height | 6.39 m (21 ft. 0 in.) | 6.60 m (21 ft. 8 in.) | 6.94 m (22 ft. 9 in.) | 7.24 m (23 ft. 9 in.) | 7.63 m (25 ft. 0 in.) |
| **E** | Minimum Swing Radius | 4.04 m (13 ft. 3 in.) | 4.05 m (13 ft. 3 in.) | 4.61 m (15 ft. 1 in.) | 4.46 m (14 ft. 8 in.) | 4.47 m (14 ft. 8 in.) |
| **F** | Maximum Vertical Wall | 4.15 m (13 ft. 7 in.) | 4.78 m (15 ft. 8 in.) | 5.51 m (18 ft. 1 in.) | 6.42 m (21 ft. 1 in.) | 7.27 m (23 ft. 10 in.) |

| Machine Dimensions | | 350G LC | | | | |
|---|---|---|---|---|---|---|
| **Arm Length** | | *2.1 m (6 ft. 10 in.) ME / 5.7-m (18 ft. 8 in.) Boom Length* | *2.67 m (8 ft. 9 in.) HD / 5.7-m (18 ft. 8 in.) Boom Length* | *2.67 m (8 ft. 9 in.) HD / 6.4-m (21 ft. 0 in.) Boom Length* | *3.2 m (10 ft. 6 in.) / 6.4-m (21 ft. 0 in.) Boom Length* | *4.0 m (13 ft. 1 in.) / 6.4-m (21 ft. 0 in.) Boom Length* |
| **A** | Overall Length | 10.99 m (36 ft. 1 in.) | 11.33 m (37 ft. 2 in.) | 11.35 m (37 ft. 3 in.) | 11.20 m (36 ft. 9 in.) | 11.29 m (37 ft. 0 in.) |
| **B** | Overall Height | 3.68 m (12 ft. 1 in.) | 3.47 m (11 ft. 5 in.) | 3.47 m (11 ft. 5 in.) | 3.27 m (10 ft. 9 in.) | 3.60 m (11 ft. 10 in.) |
| **C** | Rear-End Length/Swing Radius | 3.60 m (11 ft. 10 in.) | | | | |
| **D** | Distance Between Idler/Sprocket Centerline | 4.05 m (13 ft. 3 in.) | | | | |
| **E** | Undercarriage Length | 4.94 m (16 ft. 2 in.) | | | | |
| **F** | Counterweight Clearance | 1.18 m (3 ft. 10 in.) | | | | |
| **G** | Upperstructure Width | 2.99 m (9 ft. 10 in.) | | | | |
| **H** | Cab Height | 3.14 m (10 ft. 4 in.) | | | | |
| **I** | Track Width with Shoes | 600 mm (24 in.) / 700 mm (28 in.) / 800 mm (32 in.) | | | | |
| **J** | Gauge Width | 2.59 m (8 ft. 6 in.) | | | | |
| **K** | Ground Clearance | 0.50 m (20 in.) | | | | |
| **L** | Overall Width with Shoes | | | | | |
| | 600 mm (24 in.) | 3.19 m (10 ft. 6 in.) | | | | |
| | 700 mm (28 in.) | 3.29 m (10 ft. 10 in.) | | | | |
| | 800 mm (32 in.) | 3.39 m (11 ft. 2 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 800-mm (32 in.) shoes; standard gauge; and situated on firm, 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.)** | | **9.0 m (30 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** | **Over Front** | **Over Side** |
| *With 2.1-m (6 ft. 10 in.) ME arm, 5.7-m (18 ft. 8 in.) ME boom, and 1273-kg (2,806 lb.) bucket* | | | | | | | | | | | | |
| 6.0 m (20 ft.) | | | | | | | **10 841 (23,900)** | 8528 (18,800) | | | | |
| 4.5 m (15 ft.) | | | | | **14 674 (32,350)** | 13 245 (29,200) | **11 635 (25,650)** | 8187 (18,050) | | | | |
| 3.0 m (10 ft.) | | | | | | | **12 859 (28,350)** | 7756 (17,100) | 8981 (19,800) | 5330 (11,750) | | |
| 1.5 m (5 ft.) | | | | | | | 12 701 (28,000) | 7371 (16,250) | 8800 (19,400) | 5194 (11,450) | | |
| Ground Line | | | | | **19 028 (41,950)** | 11 249 (24,800) | 12 474 (27,500) | 7189 (15,850) | | | | |
| –1.5 m (–5 ft.) | | | **21 818 (48,100)** | **21 818 (48,100)** | **17 305 (38,150)** | 11 317 (24,950) | 12 496 (27,550) | 7212 (15,900) | | | | |
| –3.0 m (–10 ft.) | | | **17 463 (38,500)** | **17 463 (38,500)** | **13 676 (30,150)** | 11 657 (25,700) | | | | | | |

**Lift Capacities** ***(continued)*** **350G 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 800-mm (32 in.) shoes; standard gauge; and situated on firm, 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.) | | 9.0 m (30 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 | Over Front | Over Side |
| *With 2.67-m (8 ft. 9 in.) HD arm, 5.7-m (18 ft. 8 in.) ME boom, and 1273-kg (2,806 lb.) bucket* | | | | | | | | | | | | |
| 6.0 m (20 ft.) | | | | | | | **9888** | 8732 | | | | |
| | | | | | | | **(21,800)** | (19,250) | | | | |
| 4.5 m (15 ft.) | | | | | **13 404** | **13 404** | **10 864** | 8391 | 9299 | 5625 | | |
| | | | | | **(29,550)** | **(29,550)** | **(23,950)** | (18,500) | (20,500) | (12,400) | | |
| 3.0 m (10 ft.) | | | | | **16 579** | **12 565** | **12 270** | 7938 | 9095 | 5420 | | |
| | | | | | **(36,550)** | **(27,700)** | **(27,050)** | (17,500) | (20,050) | (11,950) | | |
| 1.5 m (5 ft.) | | | | | **18 847** | **11 725** | 12 859 | 7507 | 8868 | 5239 | | |
| | | | | | **(41,550)** | **(25,850)** | (28,350) | (16,550) | (19,550) | (11,550) | | |
| Ground Line | | | | | **19 323** | 11 362 | 12 565 | 7235 | 8732 | 5103 | | |
| | | | | | **(42,600)** | (25,050) | (27,700) | (15,950) | (19,250) | (11,250) | | |
| –1.5 m (–5 ft.) | | | **19 686** | **19 686** | **18 189** | 11 340 | 12 474 | 7189 | | | | |
| | | | **(43,400)** | **(43,400)** | **(40,100)** | (25,000) | (27,500) | (15,850) | | | | |
| –3.0 m (–10 ft.) | | | **20 752** | **20 752** | **15 377** | 11 544 | **10 977** | 7348 | | | | |
| | | | **(45,750)** | **(45,750)** | **(33,900)** | (25,450) | **(24,200)** | (16,200) | | | | |
| *With 2.67-m (8 ft. 9 in.) HD arm, 6.4-m (21 ft. 0 in.) boom, and 1170-kg (2,580 lb.) bucket* | | | | | | | | | | | | |
| 6.0 m (20 ft.) | | | | | | | **9496** | 9213 | **8705** | 6162 | | |
| | | | | | | | **(20,636)** | (19,803) | **(19,093)** | (13,179) | | |
| 4.5 m (15 ft.) | | | | | **14 206** | 14 021 | **10 894** | 8801 | **9279** | 6021 | | |
| | | | | | **(30,447)** | (30,255) | **(23,562)** | (18,960) | **(20,190)** | (12,922) | | |
| 3.0 m (10 ft.) | | | | | **17 742** | 12 827 | **12 506** | 8285 | 9573 | 5798 | | |
| | | | | | **(38,067)** | (27,693) | **(27,011)** | (17,857) | (20,571) | (12,462) | | |
| 1.5 m (5 ft.) | | | | | | | 13 399 | 7868 | 9319 | 5570 | | |
| | | | | | **(36,850)** | (26,125) | (28,794) | (16,949) | (20,037) | (11,982) | | |
| Ground Line | | | | | **18 814** | 11 932 | 13 127 | 7634 | 9155 | 5423 | | |
| | | | | | **(42,867)** | (25,647) | (28,197) | (16,432) | (19,685) | (11,666) | | |
| –1.5 m (–5 ft.) | | | **12 495** | **12 495** | **18 754** | 11 959 | 13 059 | 7575 | 9117 | 5389 | | |
| | | | **(28,545)** | **(28,545)** | **(40,705)** | (25,693) | (28,045) | (16,301) | (19,617) | (11,605) | | |
| –3.0 m (–10 ft.) | | | **21 868** | **21 868** | **16 665** | 12 147 | **12 606** | 7679 | | | | |
| | | | **(47,544)** | **(47,544)** | **(36,066)** | (26,109) | **(27,142)** | (16,540) | | | | |
| –4.5 m (–15 ft.) | | | **16 500** | **16 500** | **12 776** | 12 551 | | | | | | |
| | | | **(35,354)** | **(35,354)** | **(27,209)** | (27,027) | | | | | | |
| *With 2.67-m (8 ft. 9 in.) HD arm, 6.4-m (21 ft. 0 in.) boom, and 1273-kg (2,806 lb.) bucket* | | | | | | | | | | | | |
| 6.0 m (20 ft.) | | | | | | | **9117** | 8596 | **8482** | 5693 | | |
| | | | | | | | **(20,100)** | (18,950) | **(18,700)** | (12,550) | | |
| 4.5 m (15 ft.) | | | | | **13 449** | 13 109 | **10 387** | 8142 | **8913** | 5534 | | |
| | | | | | **(29,650)** | (28,900) | **(22,900)** | (17,950) | **(19,650)** | (12,200) | | |
| 3.0 m (10 ft.) | | | | | **16 874** | 11 884 | **11 929** | 7620 | 8890 | 5284 | | |
| | | | | | **(37,200)** | (26,200) | **(26,300)** | (16,800) | (19,600) | (11,650) | | |
| 1.5 m (5 ft.) | | | | | **17 055** | 11 158 | 12 474 | 7212 | 8641 | 5058 | | |
| | | | | | **(37,600)** | (24,600) | (27,500) | (15,900) | (19,050) | (11,150) | | |
| Ground Line | | | | | **19 006** | 10 932 | 12 202 | 6963 | 8482 | 4899 | | |
| | | | | | **(41,900)** | (24,100) | (26,900) | (15,350) | (18,700) | (10,800) | | |
| –1.5 m (–5 ft.) | | | **13 177** | **13 177** | **18 030** | 10 954 | 12 134 | 6895 | 8459 | 4876 | | |
| | | | **(29,050)** | **(29,050)** | **(39,750)** | (24,150) | (26,750) | (15,200) | (18,650) | (10,750) | | |
| –3.0 m (–10 ft.) | | | **21 001** | **21 001** | **15 944** | 11 158 | **11 975** | 7008 | | | | |
| | | | **(46,300)** | **(46,300)** | **(35,150)** | (24,600) | **(26,400)** | (15,450) | | | | |
| –4.5 m (–15 ft.) | | | **15 490** | **15 490** | **11 952** | 11 612 | | | | | | |
| | | | **(34,150)** | **(34,150)** | **(26,350)** | (25,600) | | | | | | |

**Lift Capacities** ***(continued)*** **350G 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 800-mm (32 in.) shoes; standard gauge; and situated on firm, 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.

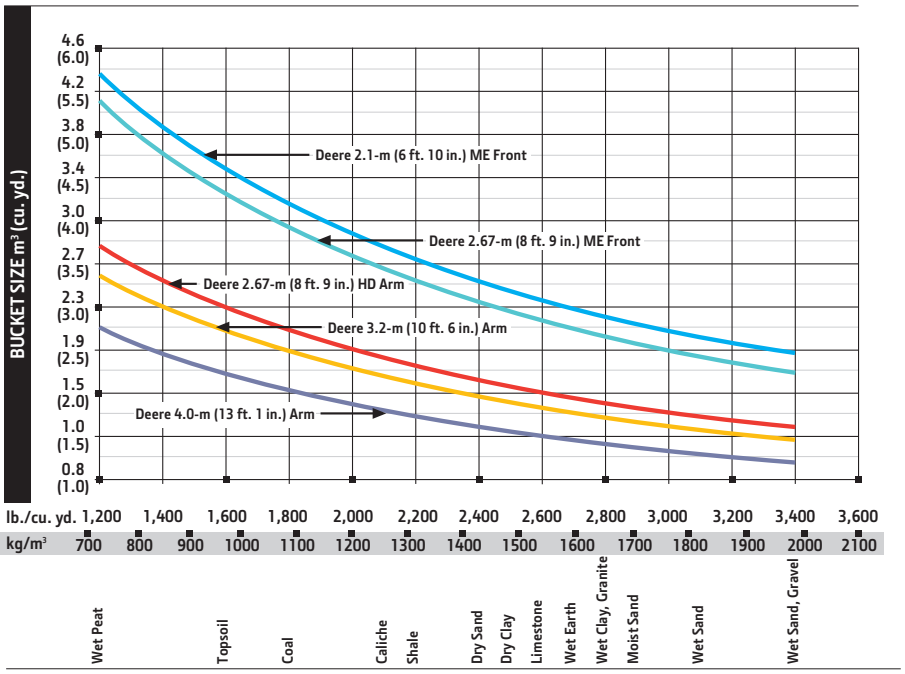
| Load Point Height | 1.5 m (5 ft.) | | 3.0 m (10 ft.) | | 4.5 m (15 ft.) | | 6.0 m (20 ft.) | | 7.5 m (25 ft.) | | 9.0 m (30 ft.) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Horizontal Distance from Centerline of Rotation | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side |
| *With 3.2-m (10 ft. 6 in.) arm, 6.4-m (21 ft. 0 in.) boom, and 1170-kg (2,580 lb.) bucket* | | | | | | | | | | | | |
| 6.0 m (20 ft.) | | | | | | | | | **8008 (17,528)** | 6249 (13,381) | | |
| 4.5 m (15 ft.) | | | | | | | **10 108 (21,858)** | 8940 (19,242) | **8700 (18,923)** | 6077 (13,042) | **6425** | 4268 |
| 3.0 m (10 ft.) | | | | | **16 457 (35,331)** | 13 179 (28,428) | **11 834 (25,561)** | 8402 (18,102) | **9604** (20,664) | 5832 (12,529) | 7003 (15,009) | 4180 (8,936) |
| 1.5 m (5 ft.) | | | | | **19 033 (41,053)** | 12 300 (26,492) | **13 321 (28,796)** | 7933 (17,084) | 9338 (20,070) | 5579 (11,995) | 6882 (14,768) | 4069 (8,714) |
| Ground Line | | | | | **19 818 (42,912)** | 11 930 (25,649) | 13 140 (28,219) | 7635 (16,430) | 9132 (19,628) | 5395 (11,598) | 6794 (14,592) | 3988 (8,553) |
| –1.5 m (–5 ft.) | | | **11 956 (27,138)** | **11 956 (27,138)** | **19 291 (41,824)** | 11 864 (25,490) | 13 002 (27,916) | 7516 (16,168) | 9042 (19,442) | 5314 (11,431) | | |
| –3.0 m (–10 ft.) | **14 280 (32,048)** | **14 280 (32,048)** | **19 673 (44,674)** | **19 673 (44,674)** | **17 649 (38,194)** | 11 988 (25,762) | 13 051 (28,032) | 7558 (16,269) | 9105 (19,608) | 5371 (11,580) | | |
| –4.5 m (–15 ft.) | | | **19 521 (41,956)** | **19 521 (41,956)** | **14 491 (31,054)** | 12 307 (26,481) | **10 645 (22,511)** | 7794 (16,823) | | | | |
| *With 4.0-m (13 ft. 1 in.) arm, 6.4-m (21 ft. 0 in.) boom, and 1170-kg (2,580 lb.) bucket* | | | | | | | | | | | | |
| 7.5 m (25 ft.) | | | | | | | | | **(14,716)** | (13,856) | | |
| 6.0 m (20 ft.) | | | | | | | | | **7015 (15,348)** | 6409 (13,734) | **5727 (11,021)** | 4442 (9,453) |
| 4.5 m (15 ft.) | | | | | | | | | **7813 (16,997)** | 6203 (13,312) | **7212** (15,462) | 4370 (9,335) |
| 3.0 m (10 ft.) | | | | | **14 409 (30,952)** | 13 717 (29,563) | **10 708 (23,138)** | 8612 (18,543) | **8838 (19,174)** | 5923 (12,721) | 7070 (15,160) | 4234 (9,058) |
| 1.5 m (5 ft.) | | | | | **17,673 (38,094)** | 12 624 (27,185) | **12 469 (26,955)** | 8065 (17,362) | 9401 (20,198) | 8626 (12,090) | 6904 (14,815) | 4082 (8,741) |
| Ground Line | | | **6735 (15,416)** | **6735 (15,416)** | **19 386 (41,927)** | 12 004 (25,812) | 13 195 (28,331) | 7669 (16,500) | 9133 (19,623) | 5386 (11,573) | 6766 (14,526) | 3955 (8,476) |
| –1.5 m (–5 ft.) | **6807 (15,227)** | **6807 (15,227)** | **10 880 (24,662)** | **10 880 (24,662)** | **19 638 (42,536)** | 11 769 (25,286) | 12 949 (27,797) | 7458 (16,037) | 8974 (19,285) | 5244 (11,269) | 6692 (14,381) | 3887 (8,342) |
| –3.0 m (–10 ft.) | **11 398 (25,572)** | **11 398 (25,572)** | **16 291 (36,941)** | **16 291 (36,941)** | **18 694 (40,455)** | 11 779 (25,307) | 12 899 (27,693) | 7414 (15,947) | 8945 (19,236) | 5218 (11,226) | | |
| –4.5 m (–15 ft.) | **16 873 (38,021)** | **16 873 (38,021)** | **23 293 (50,183)** | **23 293 (50,183)** | **16 436 (35,373)** | 11 987 (25,775) | **12 165 (26,067)** | 7536 (16,233) | **8817 (18,456)** | 5356 (11,576) | | |
| –6.0 m (–20 ft.) | | | **16 669 (35,135)** | **16 669 (35,135)** | **12 038 (25,239)** | **12 038 (25,239)** | **8137** | 7927 | | | | |

## Buckets 350G 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 Fanggs™ teeth 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, 2.67 m (8 ft. 9 in.) HD | | Arm Dig Force, 3.2 m (10 ft. 6 in.) | | Arm Dig Force, 4.0 m (13 ft. 1 in.) | | Bucket Tip Radius | | Number of Teeth |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mm | in. | $m^3$ | cu. yd. | kg | lb. | kN | lb. | kN | lb. | kN | lb. | kN | lb. | mm | in. | |
| Heavy Duty Plate Lip | 914 | 36 | 1.13 | 1.5 | 971 | 2,140 | 225.2 | 496 | 204.2 | 450 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 4 |
| | 1067 | 42 | 1.34 | 1.7 | 1003 | 2,212 | 225.2 | 496 | 204.2 | 450 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 5 |
| | 1219 | 48 | 1.55 | 2.0 | 1055 | 2,326 | 225.2 | 496 | 204.2 | 450 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 6 |
| | 1372 | 54 | 1.76 | 2.3 | 1161 | 2,559 | 225.2 | 496 | 204.2 | 450 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 6 |
| Heavy Duty High Capacity | 760 | 30 | 0.96 | 1.3 | 1142 | 2,518 | 204.2 | 450 | 196.6 | 433 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 4 |
| | 914 | 36 | 1.19 | 1.6 | 1263 | 2,783 | 204.2 | 450 | 196.6 | 433 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 4 |
| | 1067 | 42 | 1.41 | 1.8 | 1416 | 3,123 | 204.2 | 450 | 196.6 | 433 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 5 |
| | 1219 | 48 | 1.64 | 2.1 | 1506 | 3,321 | 204.2 | 450 | 196.6 | 433 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 6 |
| | 1372 | 54 | 1.87 | 2.4 | 1617 | 3,565 | 204.2 | 450 | 196.6 | 433 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 6 |

## Bucket Selection Guide*



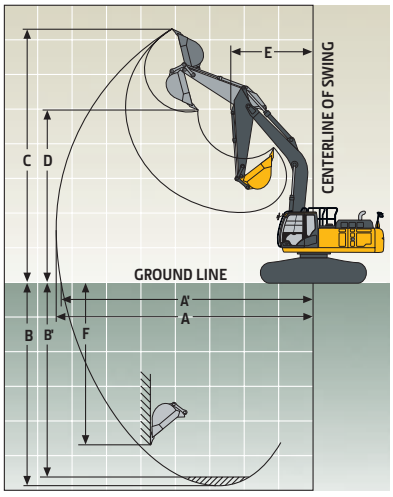

*Contact your John Deere dealer for optimum bucket and attachment selections. These recommendations are for general conditions and average use. Does not include optional equipment such as thumbs or couplers. Larger buckets may be possible when using light materials, for flat and level operations, less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

# 380G LC

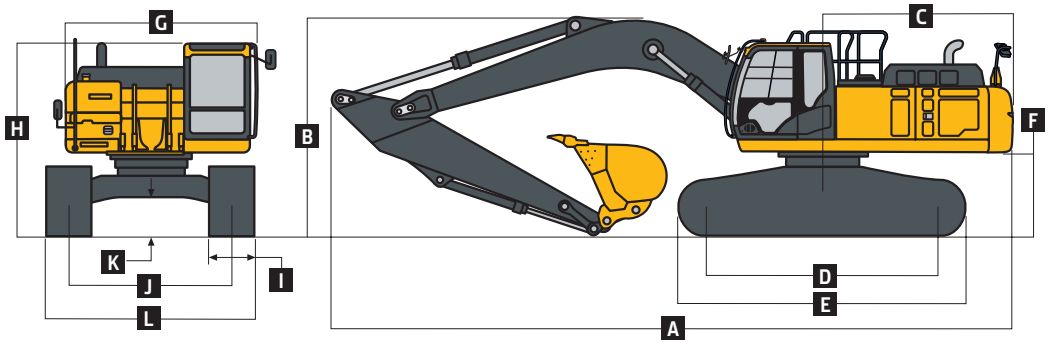
| Engine | 380G LC | | |
|---|---|---|---|
| | **Base engine for use in U.S. and U.S. Territories** | | |
| Manufacturer and Model | John Deere PowerTech™ PSS 9.0 L | | |
| Non-Road Emission Standard | EPA Final Tier 4/EU Stage IV | | |
| Net Rated Power (ISO 9249) | 202 kW (271 hp) at 1,900 rpm | | |
| Cylinders | 6 | | |
| Displacement | 9.0 L (549 cu. in.) | | |
| Off-Level Capacity | 70% (35 deg.) | | |
| Aspiration | Series 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 | 3.2 km/h (2.0 mph) | | |
| High | 5.0 km/h (3.1 mph) | | |
| Drawbar Pull | 30 350 kg (66,900 lb.) | | |
| **Hydraulics** | | | |
| Open center, load sensing | | | |
| **Main Pumps** | 2 variable-displacement pumps | | |
| Maximum Rated Flow | 288 L/m (76.1 gpm) x 2 | | |
| **Pilot Pump** | One gear | | |
| Maximum Rated Flow | 30.2 L/m (8.0 gpm) | | |
| Pressure Setting | 3900 kPa (566 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)** | 145 mm (5.7 in.) | 100 mm (3.9 in.) | 1520 mm (59.8 in.) |
| **Arm (1)** | 170 mm (6.7 in.) | 115 mm (4.5 in.) | 1740 mm (68.5 in.) |
| **Bucket (1)** | 140 mm (5.5 in.) | 95 mm (3.7 in.) | 1250 mm (49.2 in.) |
| **Electrical** | | | |
| Number of Batteries (12 volt) | 2 | | |
| Battery Capacity | 1,400 CCA | | |
| Alternator Rating | 100 amp | | |
| Work Lights | 2 halogen (one mounted on boom, one on frame) | | |
| **Undercarriage** | | | |
| **Rollers (each side)** | | | |
| Carrier | 2 | | |
| Track | 8 | | |
| Shoes, Triple Semi-Grousers (each side) | 48 | | |
| **Track** | | | |
| Adjustment | Hydraulic | | |
| Guides | 3 per side | | |
| Chain | Sealed and lubricated | | |

| Ground Pressure | 380G LC |
|---|---|
| 800-mm (32 in.) Triple Semi-Grouser Shoes | 53.5 kPa (7.77 psi) |
| **Swing Mechanism** | |
| Speed | 10.7 rpm |
| Torque | 120 000 Nm (88,507 lb.-ft.) |
| **Serviceability** | |
| **Refill Capacities** | |
| Fuel Tank | 628 L (166 gal.) |
| Diesel Exhaust Fluid (DEF) Tank | 35 L (9.3 gal.) |
| Cooling System | 39.7 L (10.5 gal.) |
| Engine Oil with Filter | 27 L (7.2 gal.) |
| Hydraulic Tank | 193 L (51 gal.) |
| Hydraulic System | 290 L (77 gal.) |
| Swing Drive | 11.8 L (12.5 qt.) |
| Gearbox | |
| Propel (each) | 8.5 L (9.0 qt.) |
| Pump Drive | 1.1 L (1.2 qt.) |
| **Operating Weights** | |
| With full fuel tank; 79-kg (175 lb.) operator; 1.76-$m^3$ (2.3 cu. yd.), 1370-mm (54 in.), 1160-kg (2,557 lb.) bucket; 4.0-m (13 ft. 1 in.) arm; 7629-kg (16,819 lb.) counterweight; and 800-mm (32 in.) heavy-duty (HD) triple semi-grouser shoes | |
| Operating Weight | 38 100 kg (83,992 lb.) |
| **Component Weights** | |
| Undercarriage, HD, with 800-mm (32 in.) HD Triple Semi-Grouser Shoes | 13 550 kg (29,872 lb.) |
| HD One-Piece Boom (with arm cylinder) | 3500 kg (7,806 lb.) |
| Arm with Bucket Cylinder and Linkage | |
| 3.2 m (10 ft. 6 in.) HD | 1957 kg (4,315 lb.) |
| 4.0 m (13 ft. 1 in.) | 1898 kg (4,184 lb.) |
| Boom-Lift Cylinders (2), Total Weight | 624 kg (1,376 lb.) |
| 1.76-$m^3$ (2.3 cu. yd.), 1370-mm (54 in.) HD Bucket | 1160 kg (2,557 lb.) |
| Counterweight, Standard | 7629 kg (16,819 lb.) |

| Operating Dimensions | | | |
|---|---|---|---|
| **Arm Length** | | *3.2 m (10 ft. 6 in.) HD* | *4.0 m (13 ft. 1 in.)* |
| Arm Digging Force | | | |
| SAE | | 177.6 kN (39,930 lb.) | 152.6 kN (34,314 lb.) |
| ISO | | 185.0 kN (41,590 lb.) | 159.0 kN (35,745 lb.) |
| Bucket Digging Force | | | |
| SAE | | 225.2 kN (50,628 lb.) | 225.2 kN (50,628 lb.) |
| ISO | | 246.0 kN (55,303 lb.) | 246.0 kN (55,303 lb.) |
| **A** | Maximum Reach | 11.10 m (36 ft. 5 in.) | 11.86 m (38 ft. 11 in.) |
| **A**[I] | Maximum Reach at Ground Level | 10.89 m (35 ft. 9 in.) | 11.67 m (38 ft. 3 in.) |
| **B** | Maximum Digging Depth | 7.38 m (24 ft. 3 in.) | 8.18 m (26 ft. 10 in.) |
| **B**[I] | Maximum Digging Depth at 2.44-m (8 ft. 0 in.) Flat Bottom | 7.21 m (23 ft. 8 in.) | 8.04 m (26 ft. 5 in.) |
| **C** | Maximum Cutting Height | 10.36 m (34 ft. 0 in.) | 10.75 m (35 ft. 3 in.) |
| **D** | Maximum Dumping Height | 7.24 m (23 ft. 9 in.) | 7.63 m (25 ft. 0 in.) |
| **E** | Minimum Swing Radius | 4.46 m (14 ft. 8 in.) | 4.47 m (14 ft. 8 in.) |
| **F** | Maximum Vertical Wall | 6.42 m (21 ft. 1 in.) | 7.27 m (23 ft. 10 in.) |



| Machine Dimensions | 380G LC | |
|---|---|---|
| **Arm Length** | *3.2 (10 ft. 6 in.) HD* | *4.0 m (13 ft. 1 in.)* |
| **A** Overall Length | 11.20 m (36 ft. 9 in.) | 11.29 m (37 ft. 1 in.) |
| **B** Overall Height | 3.27 m (10 ft. 9 in.) | 3.60 m (11 ft. 10 in.) |
| **C** Rear-End Length/Swing Radius | 3.60 m (11 ft. 10 in.) | |
| **D** Distance Between Idler/Sprocket Centerline | 4.05 m (13 ft. 3 in.) | |
| **E** Undercarriage Length | 4.94 m (16 ft. 2 in.) | |
| **F** Counterweight Clearance | 1.18 m (3 ft. 10 in.) | |
| **G** Upperstructure Width | 2.99 m (9 ft. 10 in.) | |
| **H** Cab Height | 3.17 m (10 ft. 5 in.) | |
| **I** Track Width | 700 mm (28 in.) HD / 800 mm (32 in.) HD | |
| **J** Gauge Width | 2.59 m (8 ft. 6 in.) | |
| **K** Ground Clearance | 0.50 m (20 in.) | |
| **L** Overall Width with Shoes | | |
| 700 mm (28 in.) HD | 3.29 m (10 ft. 10 in.) | |
| 800 mm (32 in.) HD | 3.39 m (11 ft. 2 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 1270-kg (2,800 lb.) bucket and 800-mm (32 in.) HD shoes; standard gauge; and situated on firm, 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.

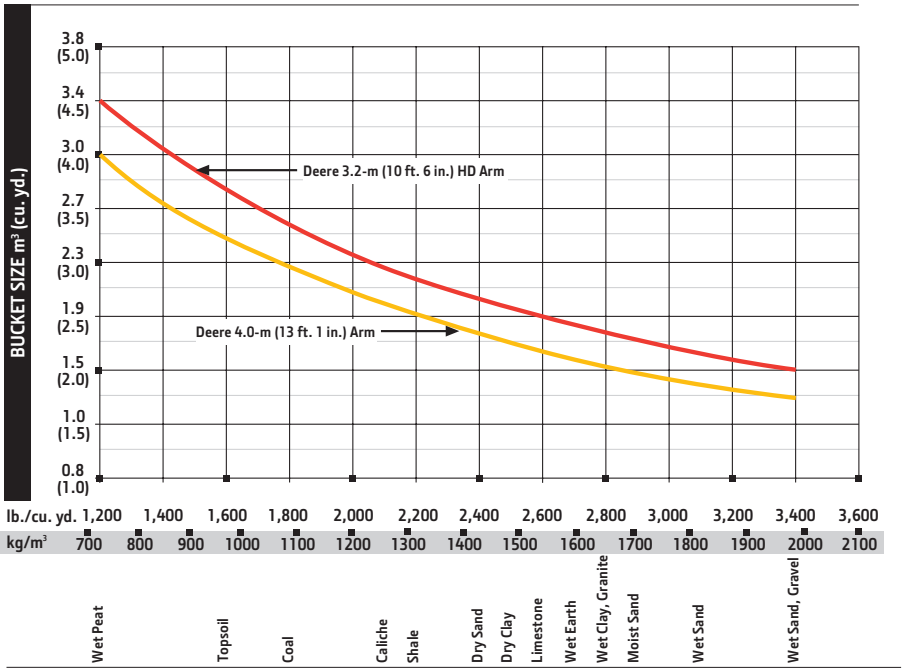
| **Load Point Height** | **1.5 m (5 ft.)** | | **3.0 m (10 ft.)** | | **4.5 m (15 ft.)** | | **6.0 m (20 ft.)** | | **7.5 m (25 ft.)** | | **9.0 m (30 ft.)** | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Horizontal Distance from Centerline of Rotation** | **Over Front** | **Over Side** | **Over Front** | **Over Side** | **Over Front** | **Over Side** | **Over Front** | **Over Side** | **Over Front** | **Over Side** | **Over Front** | **Over Side** |
| *With 3.2-m (10 ft. 6 in.) HD arm* | | | | | | | | | | | | |
| 6.0 m (20 ft.) | | | | | | | | | **7806 (17,082)** | 6710 (14,371) | | |
| 4.5 m (15 ft.) | | | | | | | **9878 (21,357)** | 9578 (20,618) | **8475 (18,430)** | 6515 (13,985) | **6368** | 4579 |
| 3.0 m (10 ft.) | | | | | **16 096 (34,555)** | 14 063 (30,342) | **11 549 (24,944)** | 8981 (19,352) | **9351 (20,278)** | 6241 (13,410) | 7495 (16,066) | 4479 (9,578) |
| 1.5 m (5 ft.) | | | | | **18 594 (40,102)** | 13 091 (28,200) | **12 991 (28,079)** | 8462 (18,225) | 9974 (21,440) | 5961 (12,817) | 7360 (15,795) | 4356 (9,329) |
| Ground Line | | | | | **19 348 (41,891)** | 12 683 (27,271) | **13 792 (29,848)** | 8133 (17,503) | 9747 (20,953) | 5757 (12,380) | 7262 (15,602) | 4266 (9,152) |
| –1.5 m (–5 ft.) | | | **11 896 (27,023)** | **11 896 (27,023)** | **18 817 (40,794)** | 12 614 (27,102) | **13 787 (29,755)** | 8003 (17,218) | 9650 (20,751) | 5670 (12,198) | | |
| –3.0 m (–10 ft.) | **14 227 (31,928)** | **14 227 (31,928)** | **19 619 (44,624)** | **19 619 (44,624)** | **17 190 (37,195)** | 12 755 (27,413) | **12 828 (27,670)** | 8053 (17,335) | **9604 (20,489)** | 5735 (12,369) | | |
| –4.5 m (–15 ft.) | | | **18 938 (40,693)** | **18 938 (40,693)** | **14 064 (30,129)** | 13 113 (28,219) | **10 310 (21,788)** | 8318 (17,958) | | | | |
| *With 4.0-m (13 ft. 1 in.) arm* | | | | | | | | | | | | |
| 7.5 m (25 ft.) | | | | | | | | | **(14,562)** | **(14,562)** | | |
| 6.0 m (20 ft.) | | | | | | | | | **6939 (15,179)** | **6939** (14,954) | **5716 (11,000)** | 4868 (10,368) |
| 4.5 m (15 ft.) | | | | | | | | | **7721 (16,795)** | 6752 (14,497) | **7114 (15,557)** | 4789 (10,238) |
| 3.0 m (10 ft.) | | | | | **14 260 (30,632)** | **14 260 (30,632)** | **10 586 (22,873)** | 9333 (20,101) | **8725 (18,928)** | 6451 (13,862) | **7629** (16,451) | 4642 (9,938) |
| 1.5 m (5 ft.) | | | | | **17 458 (37,630)** | 13 633 (29,362) | **12 311 (26,612)** | 8747 (18,836) | **9704 (21,034)** | 6133 (13,184) | 7490 (16,079) | 4478 (9,597) |
| Ground Line | | | **6730 (15,403)** | **6730 (15,403)** | **19 133 (41,379)** | 12 967 (27,888) | **13 503 (29,220)** | 8322 (17,910) | 9874 (21,222) | 5875 (12,630) | 7341 (15,767) | 4342 (9,311) |
| –1.5 m (–5 ft.) | **6799 (15,210)** | **6799 (15,210)** | **10 863 (24,660)** | **10 863 (24,660)** | **19 370 (41,953)** | 12 713 (27,321) | **13 946** (29,966) | 8095 (17,412) | 9704 (20,858) | 5722 (12,303) | 7261 (15,610) | 4268 (9,166) |
| –3.0 m (–10 ft.) | **11 387 (25,561)** | **11 387 (25,561)** | **16 293 (36,911)** | **16 293 (36,911)** | **18 425 (39,871)** | 12 723 (27,341) | **13 529 (29,232)** | 8047 (17,314) | 9672 (20,804) | 5694 (12,255) | | |
| –4.5 m (–15 ft.) | **16 888 (37,963)** | **16 888 (37,963)** | **22 921 (49,377)** | **22 921 (49,377)** | **16 178 (34,814)** | 12 944 (27,840) | **11 969 (25,643)** | 8177 (17,618) | **8663 (18,124)** | 5840 (12,627) | | |
| –6.0 m (–20 ft.) | | | **16 336 (34,418)** | **16 336 (34,418)** | **11 807 (24,741)** | **11 807 (24,741)** | **7965** | **7965** | | | | |

## Buckets 380G 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 Fanggs™ teeth 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 3.2 m (10 ft. 6 in.) HD | | Arm Dig Force 4.0 m (13 ft. 1 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 | 914 | 36 | 1.13 | 1.5 | 971 | 2,140 | 225.2 | 496 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 4 |
| | 1067 | 42 | 1.34 | 1.7 | 1003 | 2,212 | 225.2 | 496 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 5 |
| | 1219 | 48 | 1.55 | 2.0 | 1055 | 2,326 | 225.2 | 496 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 6 |
| | 1372 | 54 | 1.76 | 2.3 | 1161 | 2,559 | 225.2 | 496 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 6 |
| Heavy Duty High Capacity | 760 | 30 | 0.96 | 1.3 | 1142 | 2,518 | 204.2 | 450 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 4 |
| | 914 | 36 | 1.19 | 1.6 | 1263 | 2,783 | 204.2 | 450 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 4 |
| | 1067 | 42 | 1.41 | 1.8 | 1416 | 3,123 | 204.2 | 450 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 5 |
| | 1219 | 48 | 1.64 | 2.1 | 1506 | 3,321 | 204.2 | 450 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 6 |
| | 1372 | 54 | 1.87 | 2.4 | 1617 | 3,565 | 204.2 | 450 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 6 |

## Bucket Selection Guide*

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# Additional equipment

**Key:** ● Standard ▲ Optional or special

See your John Deere dealer for further information.

| 350G | 380G | 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) |
| ● | ● | Programmable auto shutdown |
| ● | ● | 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 |
| ▲ | ▲ | Chrome exhaust stack |
| ▲ | ▲ | Electric ether starting aid |
| ▲ | ▲ | Hydraulic fan reverser |
| ▲ | ▲ | Engine coolant heater |
| ▲ | ▲ | 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 / Anti-drift 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 3 additional |
| ● | ● | 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.) |

| 350G | 380G | Undercarriage *(continued)* |
|---|---|---|
| ● | ● | Single-bar shoes, 700 mm (28 in.) Heavy Duty (HD) |
| ● | | Triple semi-grouser shoes, 800 mm (32 in.) |
| | ● | Triple semi-grouser shoes, 800 mm (32 in.) HD |
| ▲ | ▲ | Undercarriage frame opening guard |
| | | **Upperstructure** |
| ● | ● | Right-hand, left-hand, and counter-weight mirrors |
| ● | ● | Vandal locks with ignition key: Cab door / Service doors / Toolbox |
| ● | ● | Debris screen in side panel |
| ● | ● | Remote-mounted engine oil and fuel filters |
| ▲ | ▲ | "D" channel guard |
| | | **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, 2.67 m (8 ft. 9 in.) |
| ▲ | | Arm, 3.2 m (10 ft. 6 in.) |
| | ▲ | Arm, 3.2 m (10 ft. 6 in.) HD |
| ▲ | ▲ | Arm, 4.0 m (13 ft. 1 in.) |
| ▲ | ▲ | Attachment quick-couplers |
| ▲ | ▲ | Boom cylinder with plumbing to main-frame for less boom and arm |
| ▲ | ▲ | Buckets: Heavy duty / Heavy-duty high capacity / Side cutters and teeth |
| ▲ | ▲ | Material clamps |
| ▲ | ▲ | Super-long fronts |
| | | **Operator's Station** |
| ● | ● | 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 |
| ● | ● | Hourmeter, electric |

| 350G | 380G | Operator's Station *(continued)* |
|---|---|---|
| ● | ● | Hydraulic shutoff lever, all controls |
| ● | ● | Hydraulic warm-up control |
| ● | ● | Interior light |
| ● | ● | Large cup holder |
| ● | ● | Machine Information Center (MIC) |
| ● | ● | Mode selectors (illuminated): Power modes – 3 / Travel modes – 2 with automatic shift / Work mode – one |
| ● | ● | 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 / One mounted on boom / One mounted on frame |
| ▲ | ▲ | 2 lights mounted on cab / One mounted on right side of boom / One 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 1370-mm (54 in.) buckets, full fuel tanks, and 79-kg (175 lb.) operators; a 350G LC unit with 6928-kg (15,274 lb.) counterweight and 800-mm (32 in.) triple semi-grouser shoes; and a 380G LC unit with 7629-kg (16,819 lb.) counterweight and 800-mm (32 in.) heavy-duty triple semi-grouser shoes.

SAFETY live with it

JohnDeere.com

DKAX350380G Litho in U.S.A. (14-06)

# Put more work within reach.

Whether you're loading trucks, digging trenches, demolishing structures, or placing pipe, you'll get more done with our G-Series Excavators. Their rugged EPA Interim Tier 4 (IT4)/EU Stage IIIB PowerTech™ diesel engines meet rigid emission regulations, enabling you to work, everywhere there's work, even in nonattainment areas. Customer-inspired refinements include a more comfortable, spacious cab. And an enhanced LCD monitor with simplified navigation that lets an operator easily dial-in a wealth of machine information and functionality. Exceptional power, smoothness, and ease of operation — the 350G LC and 380G LC deliver all you've come to expect in a John Deere excavator. And then some.

| | 350G LC | 380G LC |
|---|---|---|
| **Net rated power** | 202 kW (271 hp) | 202 kW (271 hp) |
| **Operating weight** | 34 726 kg (76,557 lb.) | 37 200 kg (82,012 lb.) |
| **Lifting capacity** | 12 851 kg (28,331 lb.) | 13 254 kg (29,220 lb.) |
| **Maximum digging depth** | 8.18 m (26 ft. 10 in.) | 8.18 m (26 ft. 10 in.) |
| **Arm digging force** | 152.6–159.0 kN (34,314–35,745 lb.) | 152.6–159.0 kN (34,314–35,745 lb.) |
| **Bucket digging force** | 225.2–246.0 kN (50,628–55,303 lb.) | 225.2–246.0 kN (50,628–55,303 lb.) |

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


The IT4/Stage IIIB technology utilized in our PowerTech diesel engines is simple, fuel efficient, fully integrated, and fully supported.

With unsurpassed visibility, a large entryway, generous legroom, and a supportive high-back seat, the G-Series' spacious cab delivers day-long convenience and comfort.

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

Extended engine and hydraulic oil-service intervals increase uptime and reduce daily operating costs.

Need extra stability or lift capacity? Opt for the 380G LC. Its standard heavy-duty boom, 3.2-m (10 ft. 6 in.) arm, and undercarriage provide the stamina and strength to handle demanding tasks in pipeline, demolition, and scrap-handling tasks.

Choose from a variety of track widths, arm lengths, buckets, high-flow auxiliary hydraulic packages, and numerous other options.

# Work harder. And smarter.

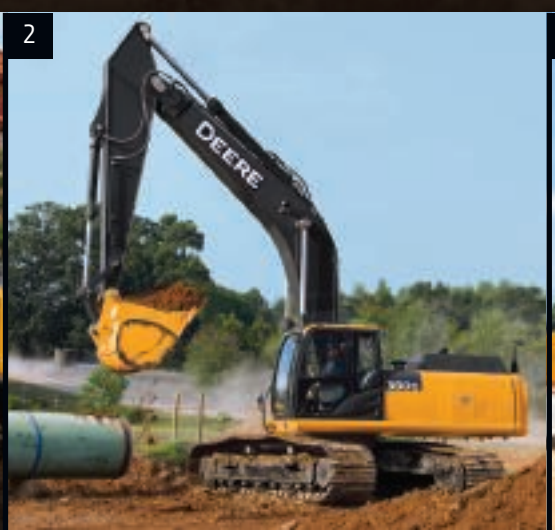
Who says you have to choose between working harder and working smarter? With our enhanced engine/hydraulic management system commanding more hydraulic muscle, these excavators do both — putting that extra ability to work with typically smooth operation and finesse. Add to these other John Deere advantages such as three power modes, power boost, and JDLink, and this excavator provides everything you need to give productivity an extra push. Combining brawn and brains, our G-Series Excavators are a wise choice.

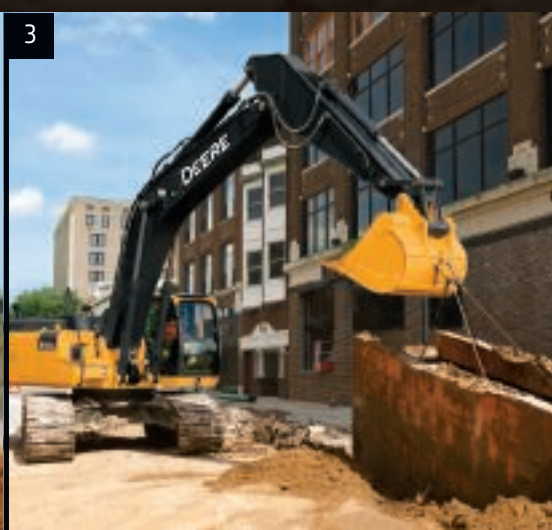
Powerwise III perfectly balances engine performance and hydraulic flow for predictable operation. Three productivity modes allow you to choose the digging style that fits the job. **High-productivity** delivers more power and faster hydraulic response to move more material. **Power** delivers a balance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

**1**. Low-effort joysticks, unmatched metering, and smooth multifunction operation deliver the control and finesse you need for utilities work.

**2**. 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.

**3**. When the task calls for a little extra, simply press the power-boost button on the right-hand control and muscle through.

# 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 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 needed to do your best work.


With large self-cleaning steps and wide entryways, getting to and from "the office" 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 has 267 mm (10½ 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.

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

Optional cab and right-side boom lights provide extra illumination to extend your workday beyond daylight hours.

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

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

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

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

When you've got places to go, people to see, and schedules to keep, you need dependable workers like these. Built to deliver unsurpassed uptime, these go-getters employ many of the same job-proven digging structures and hydraulic, electrical, and undercarriage components as their highly regarded predecessors. You'll also continue to profit from durability-enhancing "extras" such as tungsten-carbide-coated wear surfaces, welded-boom bulkheads, wet-sleeve engine liners, and extended service intervals. When you know how they're built, you'll run a Deere.

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

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

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.

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

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

**3.** Highly efficient, heavy-duty cooling system keeps things cool, even in tough environments or high altitudes.

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

Our EPA IT4/EU Stage IIIB technology 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.

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

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




# Seeking simplified maintenance? You'll be a big fan of the G-Series.

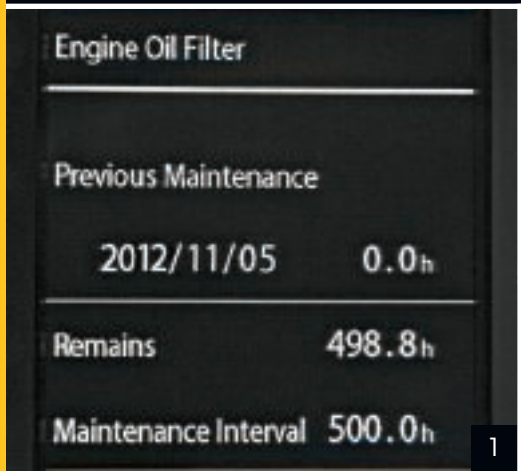
Swing open the side panels and you'll discover many of the numerous ways this excavator can minimize maintenance, increase uptime, and reduce daily operating costs. Take the heavy-duty cooling system, for example. Its hydraulically driven fan runs only as fast or often as needed, reducing fuel consumption and wear-causing debris flow through the cooler cores. As always, grouped service points make quick work of the daily routine. Easy-to-check sight gauges and fluid reservoirs. Quick-change remote-mounted filters. Convenient fluid-sample ports and advanced self-diagnostics — with time- and money-saving advantages such as these, there's more to like.

Perforations in the hood and side shields serve as a "first filter," helping prevent trash entry. Anything that passes through will also clear the cooler cores.

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

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

EPA IT4/EU Stage IIIB diesel particulate filter is easily removed through the top of the engine compartment. Minimum service interval is 4,500 hours, and can be done by your John Deere dealer.



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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.

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

**1.** Easy-to-navigate LCD monitor issues scheduled maintenance alerts. Should a problem arise, it provides diagnostic information to help decrease downtime.

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

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

**4.** Ground-level fresh-air cab filter is quickly serviced from outside the cab. Where it's more likely to get done.

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

**6.** Cooler cores' 10-fin-per-inch spacing lets trash easily pass to resist plugging. Hinged, swing-out coolers provide added core access.


4


5

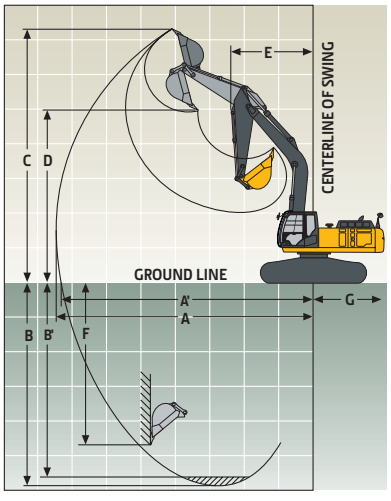

6

# 350G LC

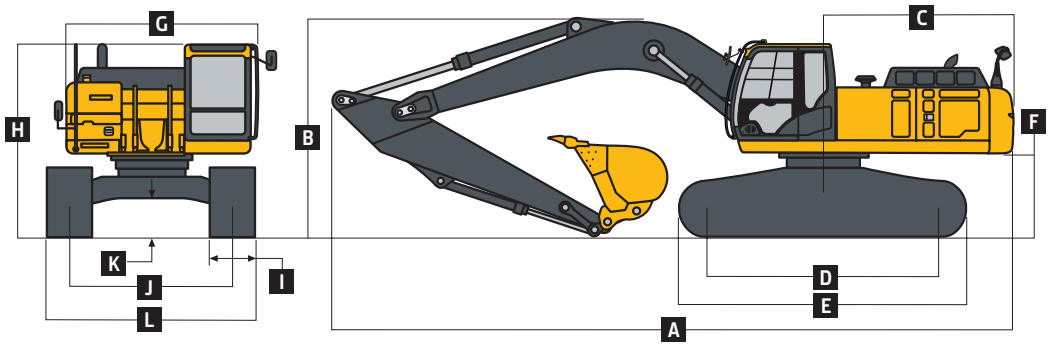
| Engine | 350G LC | | |
|---|---|---|---|
| | **Base engine for use in U.S., U.S. Territories, and Canada** | **Optional engine for use outside the U.S. and U.S. Territories** | **Optional engine for use outside the U.S., U.S. Territories, and Canada** |
| Manufacturer and Model | John Deere PowerTech™ PSX 9.0 L | John Deere PowerTech™ Plus 9.0 L | John Deere PowerTech™ 9.0 L |
| Non-Road Emissions Standard | EPA Interim Tier 4/EU Stage IIIB | EPA Tier 3/EU Stage IIIA | EPA Tier 2/EU Stage II |
| Net Rated Power (ISO 9249) | 202 kW (271 hp) at 1,900 rpm | 202 kW (271 hp) at 1,900 rpm | 202 kW (271 hp) at 1,900 rpm |
| Cylinders | 6 | 6 | 6 |
| Displacement | 9.0 L (549 cu. in.) | 9.0 L (549 cu. in.) | 9.0 L (549 cu. in.) |
| Off-Level Capacity | 70% (35 deg.) | 70% (35 deg.) | 70% (35 deg.) |
| Aspiration | Turbocharged, air-to-air charge-air cooler | 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 | 3.2 km/h (2.0 mph) | | |
| High | 5.0 km/h (3.1 mph) | | |
| Drawbar Pull | 29 200 kg (64,375 lb.) | | |
| **Hydraulics** | | | |
| Open center, load sensing | | | |
| **Main Pumps** | 2 variable-displacement pumps | | |
| Maximum Rated Flow | 288 L/m (76.1 gpm) x 2 | | |
| **Pilot Pump** | One gear | | |
| Maximum Rated Flow | 34 L/m (8.9 gpm) | | |
| Pressure Setting | 3900 kPa (566 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)** | 145 mm (5.7 in.) | 100 mm (3.9 in.) | 1520 mm (59.8 in.) |
| **Arm (1)** | 170 mm (6.7 in.) | 115 mm (4.5 in.) | 1740 mm (68.5 in.) |
| **Bucket (1)** | 140 mm (5.5 in.) | 95 mm (3.7 in.) | 1250 mm (49.2 in.) |
| **Electrical** | | | |
| Number of Batteries (12 volt) | 2 | | |
| Battery Capacity | 1,400 CCA | | |
| Alternator Rating | 100 amp | | |
| Work Lights | 2 halogen (one mounted on boom, one on frame) | | |
| **Undercarriage** | | | |
| **Rollers (each side)** | | | |
| Carrier | 2 | | |
| Track | 8 | | |
| Shoes, Triple Semi-Grousers (each side) | 48 | | |
| **Track** | | | |
| Adjustment | Hydraulic | | |
| Guides | 3 per side | | |
| Chain | Sealed and lubricated | | |


| Ground Pressure | 350G LC |
|---|---|
| 800-mm (32 in.) Triple Semi-Grouser Shoes | 52.8 kPa (7.66 psi) |
| **Swing Mechanism** | |
| Speed | 10.7 rpm |
| Torque | 120 000 Nm (88,507 lb.-ft.) |
| **Serviceability** | |
| **Refill Capacities** | |
| Fuel Tank | 628 L (166 gal.) |
| Cooling System | 39.7 L (10.5 gal.) |
| Engine Oil with Filter | 27 L (7.2 gal.) |
| Hydraulic Tank | 193 L (51 gal.) |
| Hydraulic System | 290 L (77 gal.) |
| Swing Drive | 11.8 L (12.5 qt.) |
| Gearbox | |
| Propel (each) | 8.5 L (9.0 qt.) |
| Pump Drive | 1.1 L (1.2 qt.) |
| **Operating Weights** | |
| With full fuel tank; 79-kg (175 lb.) operator; 1.76-m³ (2.3 cu. yd.), 1370-mm (54 in.), 1160-kg (2,557 lb.) bucket; 4.0-m (13 ft. 1 in.) arm; 6928-kg (15,274 lb.) counterweight; and 800-mm (32 in.) triple semi-grouser shoes | |
| Operating Weight | 34 726 kg (76,557 lb.) |
| **Component Weights** | |
| Undercarriage with 800-mm (32 in.) Triple Semi-Grouser Shoes | 12 710 kg (28,020 lb.) |
| One-Piece Boom (with arm cylinder) | 3031 kg (6,682 lb.) |
| Arm with Bucket Cylinder and Linkage | |
| 2.66 m (8 ft. 9 in.) | 1649 kg (3,635 lb.) |
| 3.2 m (10 ft. 6 in.) | 1758 kg (3,876 lb.) |
| 4.0 m (13 ft. 1 in.) | 1898 kg (4,184 lb.) |
| Boom-Lift Cylinders (2), Total Weight | 624 kg (1,376 lb.) |
| 1.76-m³ (2.3 cu. yd.), 1370-mm (54 in.) Heavy-Duty Bucket | 1160 kg (2,557 lb.) |
| Counterweight, Standard | 6928 kg (15,274 lb.) |
| **Operating Dimensions** | |

| **Arm Length** | *2.66 m (8 ft. 9 in.)* | *3.2 m (10 ft. 6 in.)* | *4.0 m (13 ft. 1 in.)* |
|---|---|---|---|
| Arm Digging Force | | | |
| SAE | 204.2 kN (45,914 lb.) | 177.6 kN (39,930 lb.) | 152.6 kN (34,314 lb.) |
| ISO | 222.0 kN (49,908 lb.) | 185.0 kN (41,590 lb.) | 159.0 kN (35,745 lb.) |
| Bucket Digging Force | | | |
| SAE | 225.2 kN (50,628 lb.) | 225.2 kN (50,628 lb.) | 225.2 kN (50,628 lb.) |
| ISO | 246.0 kN (55,303 lb.) | 246.0 kN (55,303 lb.) | 246.0 kN (55,303 lb.) |
| Lifting Capacity Over Front at Ground Level 6.1-m (20 ft.) Reach (with power boost) | 12 790 kg (28,197 lb.) | 12 800 kg (28,219 lb.) | 12 851 kg (28,331 lb.) |
| **A** Maximum Reach | 10.57 m (34 ft. 8 in.) | 11.10 m (36 ft. 5 in.) | 11.86 m (38 ft. 11 in.) |
| **A'** Maximum Reach at Ground Level | 10.36 m (34 ft. 0 in.) | 10.89 m (35 ft. 9 in.) | 11.67 m (38 ft. 3 in.) |
| **B** Maximum Digging Depth | 6.84 m (22 ft. 5 in.) | 7.38 m (24 ft. 3 in.) | 8.18 m (26 ft. 10 in.) |
| **B'** Maximum Digging Depth at 2.44-m (8 ft. 0 in.) Flat Bottom | 6.64 m (21 ft. 9 in.) | 7.21 m (23 ft. 8 in.) | 8.04 m (26 ft. 5 in.) |
| **C** Maximum Cutting Height | 9.99 m (32 ft. 9 in.) | 10.36 m (34 ft. 0 in.) | 10.75 m (35 ft. 3 in.) |
| **D** Maximum Dumping Height | 6.94 m (22 ft. 9 in.) | 7.24 m (23 ft. 9 in.) | 7.63 m (25 ft. 0 in.) |
| **E** Minimum Swing Radius | 4.61 m (15 ft. 1 in.) | 4.46 m (14 ft. 8 in.) | 4.47 m (14 ft. 8 in.) |
| **F** Maximum Vertical Wall | 5.51 m (18 ft. 1 in.) | 6.42 m (21 ft. 1 in.) | 7.27 m (23 ft. 10 in.) |
| **G** Tail-Swing Radius | 3.60 m (11 ft. 10 in.) | 3.60 m (11 ft. 10 in.) | 3.60 m (11 ft. 10 in.) |



| Machine Dimensions | | 350G LC |
|---|---|---|
| **A** | Overall Length | |
| | 2.66 m (8 ft. 9 in.) | 11.33 m (37 ft. 2 in.) |
| | 3.2 m (10 ft. 6 in.) | 11.20 m (36 ft. 9 in.) |
| | 4.0 m (13 ft. 1 in.) | 11.29 m (37 ft. 1 in.) |
| **B** | Overall Height | |
| | 2.66 m (8 ft. 9 in.) | 3.47 m (11 ft. 5 in.) |
| | 3.2 m (10 ft. 6 in.) | 3.27 m (10 ft. 9 in.) |
| | 4.0 m (13 ft. 1 in.) | 3.60 m (11 ft. 10 in.) |
| **C** | Rear-End Length/Swing Radius | 3.60 m (11 ft. 10 in.) |
| **D** | Distance Between Idler/Sprocket Centerline | 4.05 m (13 ft. 3 in.) |
| **E** | Undercarriage Length | 4.94 m (16 ft. 2 in.) |
| **F** | Counterweight Clearance | 1.18 m (3 ft. 10 in.) |
| **G** | Upperstructure Width | 2.99 m (9 ft. 10 in.) |
| **H** | Cab Height | 3.14 m (10 ft. 4 in.) |
| **I** | Track Width with Shoes | 600 mm (24 in.) / 700 mm (28 in.) / 800 mm (32 in.) |
| **J** | Gauge Width | 2.59 m (8 ft. 6 in.) |
| **K** | Ground Clearance | 0.50 m (20 in.) |
| **L** | Overall Width with Shoes | |
| | 600 mm (24 in.) | 3.19 m (10 ft. 6 in.) |
| | 700 mm (28 in.) | 3.29 m (10 ft. 10 in.) |
| | 800 mm (32 in.) | 3.39 m (11 ft. 2 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 1170-kg (2,580 lb.) bucket and 800-mm (32 in.) shoes; standard gauge; and situated on firm, 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.)** | | **9.0 m (30 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** | **Over Front** | **Over Side** |
| *With 2.66-m (8 ft. 9 in.) arm* | | | | | | | | | | | | |
| 6.0 m (20 ft.) | | | | | | | **9496** **(20,636)** | 9213 (19,803) | **8705** **(19,093)** | 6162 (13,179) | | |
| 4.5 m (15 ft.) | | | | | **14 206** **(30,447)** | 14 021 (30,255) | **10 894** **(23,562)** | 8801 (18,960) | **9279** **(20,190)** | 6021 (12,922) | | |
| 3.0 m (10 ft.) | | | | | **17 742** **(38,067)** | 12 827 (27,693) | **12 506** **(27,011)** | 8285 (17,857) | 9573 (20,571) | 5798 (12,462) | | |
| 1.5 m (5 ft.) | | | | | | | 13 399 | 7868 | 9319 | 5570 | | |
| | | | | | **(36,850)** | (26,125) | (28,794) | (16,949) | (20,037) | (11,982) | | |
| Ground Line | | | | | **18 814** **(42,867)** | 11 932 (25,647) | 13 127 (28,197) | 7634 (16,432) | 9155 (19,685) | 5423 (11,666) | | |
| –1.5 m (–5 ft.) | | | **12 495** **(28,545)** | **12 495** **(28,545)** | **18 754** **(40,705)** | 11 959 (25,693) | 13 059 (28,045) | 7575 (16,301) | 9117 (19,617) | 5389 (11,605) | | |
| –3.0 m (–10 ft.) | | | **21 868** **(47,544)** | **21 868** **(47,544)** | **16 665** **(36,066)** | 12 147 (26,109) | **12 606** **(27,142)** | 7679 (16,540) | | | | |
| –4.5 m (–15 ft.) | | | **16 500** **(35,354)** | **16 500** **(35,354)** | **12 776** **(27,209)** | 12 551 (27,027) | | | | | | |
| *With 3.2-m (10 ft. 6 in.) arm* | | | | | | | | | | | | |
| 6.0 m (20 ft.) | | | | | | | | | **8008** **(17,528)** | 6249 (13,381) | | |
| 4.5 m (15 ft.) | | | | | | | **10 108** **(21,858)** | 8940 (19,242) | **8700** **(18,923)** | 6077 (13,042) | **6425** | 4268 |
| 3.0 m (10 ft.) | | | | | **16 457** **(35,331)** | 13 179 (28,428) | **11 834** **(25,561)** | 8402 (18,102) | **9604** (20,664) | 5832 (12,529) | 7003 (15,009) | 4180 (8,936) |
| 1.5 m (5 ft.) | | | | | **19 033** **(41,053)** | 12 300 (26,492) | **13 321** **(28,796)** | 7933 (17,084) | 9338 (20,070) | 5579 (11,995) | 6882 (14,768) | 4069 (8,714) |
| Ground Line | | | | | **19 818** **(42,912)** | 11 930 (25,649) | 13 140 (28,219) | 7635 (16,430) | 9132 (19,628) | 5395 (11,598) | 6794 (14,592) | 3988 (8,553) |
| –1.5 m (–5 ft.) | | | **11 956** **(27,138)** | **11 956** **(27,138)** | **19 291** **(41,824)** | 11 864 (25,490) | 13 002 (27,916) | 7516 (16,168) | 9042 (19,442) | 5314 (11,431) | | |
| –3.0 m (–10 ft.) | **14 280** **(32,048)** | **14 280** **(32,048)** | **19 673** **(44,674)** | **19 673** **(44,674)** | **17 649** **(38,194)** | 11 988 (25,762) | 13 051 (28,032) | 7558 (16,269) | 9105 (19,608) | 5371 (11,580) | | |
| –4.5 m (–15 ft.) | | | **19 521** **(41,956)** | **19 521** **(41,956)** | **14 491** **(31,054)** | 12 307 (26,481) | **10 645** **(22,511)** | 7794 (16,823) | | | | |

## Lift Capacities *(continued)* 350G 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 1170-kg (2,580 lb.) bucket and 800-mm (32 in.) shoes; standard gauge; and situated on firm, 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.

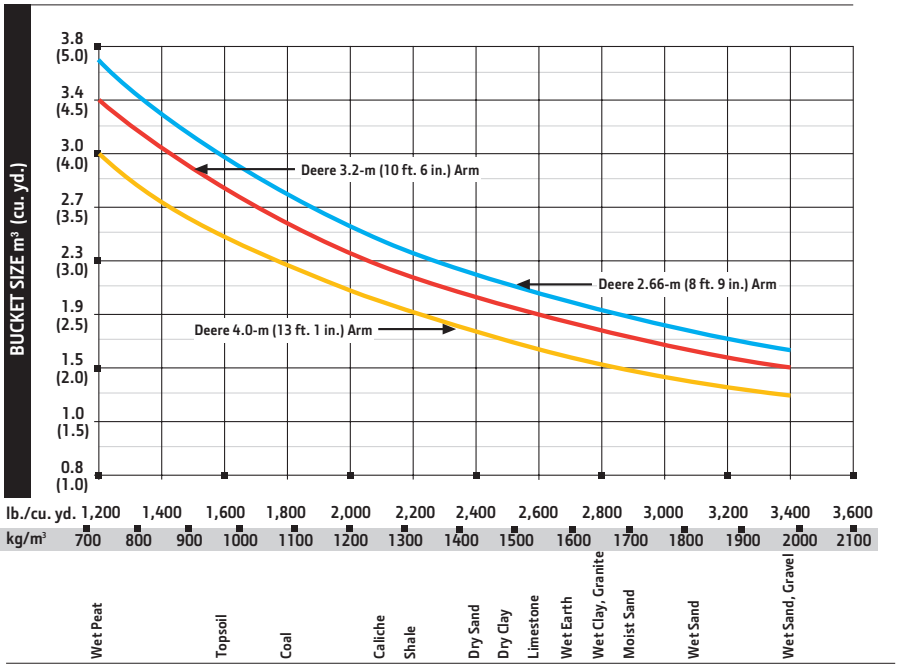
| Load Point Height | 1.5 m (5 ft.) | | 3.0 m (10 ft.) | | 4.5 m (15 ft.) | | 6.0 m (20 ft.) | | 7.5 m (25 ft.) | | 9.0 m (30 ft.) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Horizontal Distance from Centerline of Rotation** | **Over Front** | **Over Side** | **Over Front** | **Over Side** | **Over Front** | **Over Side** | **Over Front** | **Over Side** | **Over Front** | **Over Side** | **Over Front** | **Over Side** |
| *With 4.0-m (13 ft. 1 in.) arm* | | | | | | | | | | | | |
| 7.5 m (25 ft.) | | | | | | | | | | | | |
| | | | | | | | | | **(14,716)** | (13,856) | | |
| 6.0 m (20 ft.) | | | | | | | | | **7015** | 6409 | **5727** | 4442 |
| | | | | | | | | | **(15,348)** | (13,734) | **(11,021)** | (9,453) |
| 4.5 m (15 ft.) | | | | | | | | | **7813** | 6203 | **7212** | 4370 |
| | | | | | | | | | **(16,997)** | (13,312) | (15,462) | (9,335) |
| 3.0 m (10 ft.) | | | | | **14 409** | 13 717 | **10 708** | 8612 | **8838** | 5923 | 7070 | 4234 |
| | | | | | **(30,952)** | (29,563) | **(23,138)** | (18,543) | **(19,174)** | (12,721) | (15,160) | (9,058) |
| 1.5 m (5 ft.) | | | | | **17 673** | 12 624 | **12 469** | 8065 | 9401 | 5626 | 6904 | 4082 |
| | | | | | **(38,094)** | (27,185) | **(26,955)** | (17,362) | (20,198) | (12,090) | (14,815) | (8,741) |
| Ground Line | | | **6735** | **6735** | **19 386** | 12 004 | 13 195 | 7669 | 9133 | 5386 | 6766 | 3955 |
| | | | **(15,416)** | **(15,416)** | **(41,927)** | (25,812) | (28,331) | (16,500) | (19,623) | (11,573) | (14,526) | (8,476) |
| –1.5 m (–5 ft.) | **6807** | **6807** | **10 880** | **10 880** | **19 638** | 11 769 | 12 949 | 7458 | 8974 | 5244 | 6692 | 3887 |
| | **(15,227)** | **(15,227)** | **(24,662)** | **(24,662)** | **(42,536)** | (25,286) | (27,797) | (16,037) | (19,285) | (11,269) | (14,381) | (8,342) |
| –3.0 m (–10 ft.) | **11 398** | **11 398** | **16 291** | **16 291** | **18 694** | 11 779 | 12 899 | 7414 | 8945 | 5218 | | |
| | **(25,572)** | **(25,572)** | **(36,941)** | **(36,941)** | **(40,455)** | (25,307) | (27,693) | (15,947) | (19,236) | (11,226) | | |
| –4.5 m (–15 ft.) | **16 873** | **16 873** | **23 293** | **23 293** | **16 436** | 11 987 | **12 165** | 7536 | **8817** | 5356 | | |
| | **(38,021)** | **(38,021)** | **(50,183)** | **(50,183)** | **(35,373)** | (25,775) | **(26,067)** | (16,233) | **(18,456)** | (11,576) | | |
| –6.0 m (–20 ft.) | | | **16 669** | **16 669** | **12 038** | **12 038** | **8137** | 7927 | | | | |
| | | | **(35,135)** | **(35,135)** | **(25,239)** | **(25,239)** | | | | | | |

## 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™ teeth 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 2.66 m (8 ft. 9 in.) | | Arm Dig Force 3.2 m (10 ft. 6 in.) | | Arm Dig Force 4.0 m (13 ft. 1 in.) | | Bucket Tip Radius | | Number of Teeth |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mm | in. | $m^3$ | cu. yd. | kg | lb. | kN | lb. | kN | lb. | kN | lb. | kN | lb. | mm | in. | |
| Heavy Duty Plate Lip | 915 | 36 | 1.13 | 1.5 | 971 | 2,140 | 225.2 | 496 | 204.2 | 450 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 4 |
| | 1065 | 42 | 1.34 | 1.7 | 1003 | 2,212 | 225.2 | 496 | 204.2 | 450 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 5 |
| | 1220 | 48 | 1.55 | 2.0 | 1055 | 2,326 | 225.2 | 496 | 204.2 | 450 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 6 |
| | 1372 | 54 | 1.76 | 2.3 | 1161 | 2,559 | 225.2 | 496 | 204.2 | 450 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 6 |
| Heavy Duty High Capacity | 760 | 30 | 0.96 | 1.3 | 1142 | 2,518 | 204.2 | 450 | 196.6 | 433 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 4 |
| | 915 | 36 | 1.19 | 1.6 | 1263 | 2,783 | 204.2 | 450 | 196.6 | 433 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 4 |
| | 1065 | 42 | 1.41 | 1.8 | 1416 | 3,123 | 204.2 | 450 | 196.6 | 433 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 5 |
| | 1220 | 48 | 1.64 | 2.1 | 1506 | 3,321 | 204.2 | 450 | 196.6 | 433 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 6 |
| | 1372 | 54 | 1.87 | 2.4 | 1617 | 3,565 | 204.2 | 450 | 196.6 | 433 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 6 |

## Bucket Selection Guide*

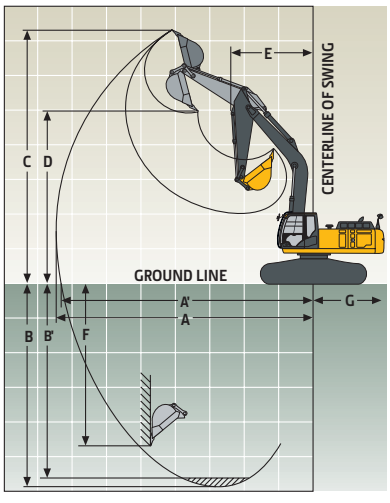



*Contact your John Deere dealer for optimum bucket and attachment selections. These recommendations are for general conditions and average use. Does not include optional equipment such as thumbs or couplers. Larger buckets may be possible when using light materials, for flat and level operations, less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

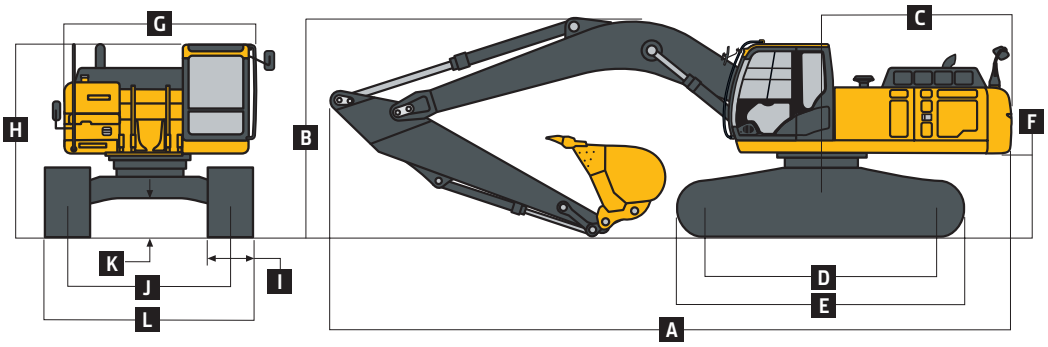
# 380G LC

| Engine | 380G LC | | |
|---|---|---|---|
| | **Base engine for use in 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™ PSX 9.0 L | John Deere PowerTech™ Plus 9.0 L | |
| Non-Road Emissions Standard | EPA Interim Tier 4/EU Stage IIIB | EPA Tier 3/EU Stage IIIA | |
| Net Rated Power (ISO 9249) | 202 kW (271 hp) at 1,900 rpm | 202 kW (271 hp) at 1,900 rpm | |
| Cylinders | 6 | 6 | |
| Displacement | 9.0 L (549 cu. in.) | 9.0 L (549 cu. in.) | |
| Off-Level Capacity | 70% (35 deg.) | 70% (35 deg.) | |
| Aspiration | Turbocharged, air-to-air charge-air cooler | Turbocharged, air-to-air charge-air cooler | |
| **Cooling** | | | |
| Cool-on-demand hydraulic-driven, suction-type fan with remote-mounted drive | | | |
| **Powertrain** | | | |
| 2-speed propel with automatic shift | | | |
| **Maximum Travel Speed** | | | |
| Low | 3.2 km/h (2.0 mph) | | |
| High | 5.0 km/h (3.1 mph) | | |
| Drawbar Pull | 29 200 kg (64,375 lb.) | | |
| **Hydraulics** | | | |
| Open center, load sensing | | | |
| **Main Pumps** | 2 variable-displacement pumps | | |
| Maximum Rated Flow | 288 L/m (76.1 gpm) x 2 | | |
| **Pilot Pump** | One gear | | |
| Maximum Rated Flow | 34 L/m (8.9 gpm) | | |
| Pressure Setting | 3900 kPa (566 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)** | 145 mm (5.7 in.) | 100 mm (3.9 in.) | 1520 mm (59.8 in.) |
| **Arm (1)** | 170 mm (6.7 in.) | 115 mm (4.5 in.) | 1740 mm (68.5 in.) |
| **Bucket (1)** | 140 mm (5.5 in.) | 95 mm (3.7 in.) | 1250 mm (49.2 in.) |
| **Electrical** | | | |
| Number of Batteries (12 volt) | 2 | | |
| Battery Capacity | 1,400 CCA | | |
| Alternator Rating | 100 amp | | |
| Work Lights | 2 halogen (one mounted on boom, one on frame) | | |
| **Undercarriage** | | | |
| **Rollers (each side)** | | | |
| Carrier | 2 | | |
| Track | 8 | | |
| Shoes, Triple Semi-Grousers (each side) | 48 | | |
| **Track** | | | |
| Adjustment | Hydraulic | | |
| Guides | 3 per side | | |
| Chain | Sealed and lubricated | | |

| Ground Pressure | 380G LC | |
|---|---|---|
| 800-mm (32 in.) Heavy-Duty Triple Semi-Grouser Shoes | 56.5 kPa (8.20 psi) | |
| **Swing Mechanism** | | |
| Speed | 10.7 rpm | |
| Torque | 120 000 Nm (88,507 lb.-ft.) | |
| **Serviceability** | | |
| **Refill Capacities** | | |
| Fuel Tank | 628 L (166 gal.) | |
| Cooling System | 39.7 L (10.5 gal.) | |
| Engine Oil with Filter | 27 L (7.2 gal.) | |
| Hydraulic Tank | 193 L (51 gal.) | |
| Hydraulic System | 290 L (77 gal.) | |
| Swing Drive | 11.8 L (12.5 qt.) | |
| Gearbox | | |
| Propel (each) | 8.5 L (9.0 qt.) | |
| Pump Drive | 1.1 L (1.2 qt.) | |
| **Operating Weights** | | |
| With full fuel tank; 79-kg (175 lb.) operator; 1.76-$m^3$ (2.3 cu. yd.), 1370-mm (54 in.), 1160-kg (2,557 lb.) bucket; 4.0-m (13 ft. 1 in.) arm; 7629-kg (16,819 lb.) counterweight; and 800-mm (32 in.) Heavy-Duty triple semi-grouser shoes | | |
| Operating Weight | 37 200 kg (82,012 lb.) | |
| **Component Weights** | | |
| Undercarriage, Heavy-Duty, with 800-mm (32 in.) Heavy-Duty Triple Semi-Grouser Shoes | 13 550 kg (29,872 lb.) | |
| Heavy-Duty One-Piece Boom (with arm cylinder) | 3541 kg (7,806 lb.) | |
| Arm with Bucket Cylinder and Linkage | | |
| 3.2 m (10 ft. 6 in.) Heavy Duty | 1957 kg (4,315 lb.) | |
| 4.0 m (13 ft. 1 in.) | 1898 kg (4,184 lb.) | |
| Boom-Lift Cylinders (2), Total Weight | 624 kg (1,376 lb.) | |
| 1.76-$m^3$ (2.3 cu. yd.), 1370-mm (54 in.) Heavy-Duty Bucket | 1160 kg (2,557 lb.) | |
| Counterweight, Standard | 7629 kg (16,819 lb.) | |
| **Operating Dimensions** | | |
| **Arm Length** | *3.2 m (10 ft. 6 in.) Heavy Duty* | *4.0 m (13 ft. 1 in.)* |
| Arm Digging Force | | |
| SAE | 177.6 kN (39,930 lb.) | 152.6 kN (34,314 lb.) |
| ISO | 185.0 kN (41,590 lb.) | 159.0 kN (35,745 lb.) |
| Bucket Digging Force | | |
| SAE | 225.2 kN (50,628 lb.) | 225.2 kN (50,628 lb.) |
| ISO | 246.0 kN (55,303 lb.) | 246.0 kN (55,303 lb.) |
| Lifting Capacity Over Front at Ground Level 6.1-m (20 ft.) Reach (with power boost) | 13 539 kg (29,848 lb.) | 13 254 kg (29,220 lb.) |
| **A** Maximum Reach | 11.10 m (36 ft. 5 in.) | 11.86 m (38 ft. 11 in.) |
| **A'** Maximum Reach at Ground Level | 10.89 m (35 ft. 9 in.) | 11.67 m (38 ft. 3 in.) |
| **B** Maximum Digging Depth | 7.38 m (24 ft. 3 in.) | 8.18 m (26 ft. 10 in.) |
| **B'** Maximum Digging Depth at 2.44-m (8 ft. 0 in.) Flat Bottom | 7.21 m (23 ft. 8 in.) | 8.04 m (26 ft. 5 in.) |
| **C** Maximum Cutting Height | 10.36 m (34 ft. 0 in.) | 10.75 m (35 ft. 3 in.) |
| **D** Maximum Dumping Height | 7.24 m (23 ft. 9 in.) | 7.63 m (25 ft. 0 in.) |
| **E** Minimum Swing Radius | 4.46 m (14 ft. 8 in.) | 4.47 m (14 ft. 8 in.) |
| **F** Maximum Vertical Wall | 6.42 m (21 ft. 1 in.) | 7.27 m (23 ft. 10 in.) |
| **G** Tail-Swing Radius | 3.60 m (11 ft. 10 in.) | 3.60 m (11 ft. 10 in.) |



| Machine Dimensions | | 380G LC |
|---|---|---|
| **A** | Overall Length | |
| | 3.2 m (10 ft. 6 in.) Heavy Duty | 11.20 m (36 ft. 9 in.) |
| | 4.0 m (13 ft. 1 in.) | 11.29 m (37 ft. 1 in.) |
| **B** | Overall Height | |
| | 3.2 m (10 ft. 6 in.) Heavy Duty | 3.27 m (10 ft. 9 in.) |
| | 4.0 m (13 ft. 1 in.) | 3.60 m (11 ft. 10 in.) |
| **C** | Rear-End Length/Swing Radius | 3.60 m (11 ft. 10 in.) |
| **D** | Distance Between Idler/Sprocket Centerline | 4.05 m (13 ft. 3 in.) |
| **E** | Undercarriage Length | 4.94 m (16 ft. 2 in.) |
| **F** | Counterweight Clearance | 1.18 m (3 ft. 10 in.) |
| **G** | Upperstructure Width | 2.99 m (9 ft. 10 in.) |
| **H** | Cab Height | 3.17 m (10 ft. 5 in.) |
| **I** | Track Width | 700 mm (28 in.) Heavy Duty / 800 mm (32 in.) Heavy Duty |
| **J** | Gauge Width | 2.59 m (8 ft. 6 in.) |
| **K** | Ground Clearance | 0.50 m (20 in.) |
| **L** | Overall Width with Shoes | |
| | 700 mm (28 in.) Heavy Duty | 3.29 m (10 ft. 10 in.) |
| | 800 mm (32 in.) Heavy Duty | 3.39 m (11 ft. 2 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 1270-kg (2,800 lb.) bucket and 800-mm (32 in.) Heavy-Duty shoes; standard gauge; and situated on firm, 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.)** | | **9.0 m (30 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** | **Over Front** | **Over Side** |
| *With 3.2-m (10 ft. 6 in.) Heavy-Duty arm* | | | | | | | | | | | | |
| 6.0 m (20 ft.) | | | | | | | | | **7806 (17,082)** | 6710 (14,371) | | |
| 4.5 m (15 ft.) | | | | | | | **9878 (21,357)** | 9578 (20,618) | **8475 (18,430)** | 6515 (13,985) | **6368** | 4579 |
| 3.0 m (10 ft.) | | | | | **16 096 (34,555)** | 14 063 (30,342) | **11 549 (24,944)** | 8981 (19,352) | **9351 (20,278)** | 6241 (13,410) | 7495 (16,066) | 4479 (9,578) |
| 1.5 m (5 ft.) | | | | | **18 594 (40,102)** | 13 091 (28,200) | **12 991 (28,079)** | 8462 (18,225) | 9974 (21,440) | 5961 (12,817) | 7360 (15,795) | 4356 (9,329) |
| Ground Line | | | | | **19 348 (41,891)** | 12 683 (27,271) | **13 792 (29,848)** | 8133 (17,503) | 9747 (20,953) | 5757 (12,380) | 7262 (15,602) | 4266 (9,152) |
| –1.5 m (–5 ft.) | | | **11 896 (27,023)** | **11 896 (27,023)** | **18 817 (40,794)** | 12 614 (27,102) | **13 787** (29,755) | 8003 (17,218) | 9650 (20,751) | 5670 (12,198) | | |
| –3.0 m (–10 ft.) | **14 227 (31,928)** | **14 227 (31,928)** | **19 619 (44,624)** | **19 619 (44,624)** | **17 190 (37,195)** | 12 755 (27,413) | **12 828 (27,670)** | 8053 (17,335) | **9604 (20,489)** | 5735 (12,369) | | |
| –4.5 m (–15 ft.) | | | **18 938 (40,693)** | **18 938 (40,693)** | **14 064 (30,129)** | 13 113 (28,219) | **10 310 (21,788)** | 8318 (17,958) | | | | |

## Lift Capacities *(continued)* 380G 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 1270-kg (2,800 lb.) bucket and 800-mm (32 in.) Heavy-Duty shoes; standard gauge; and situated on firm, 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.

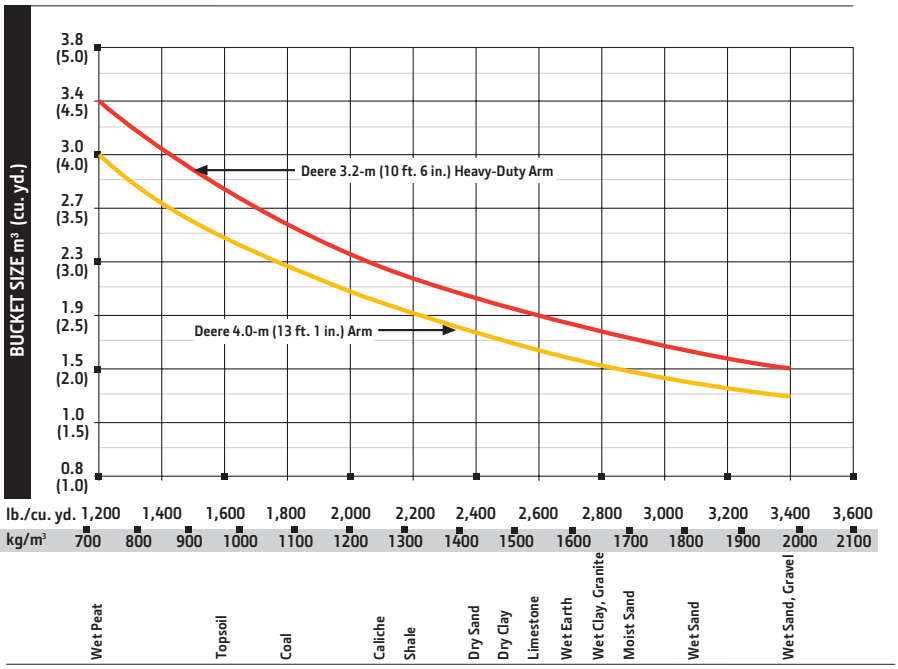
| Load Point Height | 1.5 m (5 ft.) | | 3.0 m (10 ft.) | | 4.5 m (15 ft.) | | 6.0 m (20 ft.) | | 7.5 m (25 ft.) | | 9.0 m (30 ft.) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Horizontal Distance from Centerline of Rotation** | **Over Front** | **Over Side** | **Over Front** | **Over Side** | **Over Front** | **Over Side** | **Over Front** | **Over Side** | **Over Front** | **Over Side** | **Over Front** | **Over Side** |
| *With 4.0-m (13 ft. 1 in.) arm* | | | | | | | | | | | | |
| 7.5 m (25 ft.) | | | | | | | | | **(14,562)** | **(14,562)** | | |
| 6.0 m (20 ft.) | | | | | | | | | **6939 (15,179)** | **6939** (14,954) | **5716 (11,000)** | 4868 (10,368) |
| 4.5 m (15 ft.) | | | | | | | | | **7721 (16,795)** | 6752 (14,497) | **7114 (15,557)** | 4789 (10,238) |
| 3.0 m (10 ft.) | | | | | **14 260 (30,632)** | **14 260 (30,632)** | **10 586 (22,873)** | 9333 (20,101) | **8725 (18,928)** | 6451 (13,862) | **7629** (16,451) | 4642 (9,938) |
| 1.5 m (5 ft.) | | | | | **17 458 (37,630)** | 13 633 (29,362) | **12 311 (26,612)** | 8747 (18,836) | **9704 (21,034)** | 6133 (13,184) | 7490 (16,079) | 4478 (9,597) |
| Ground Line | | | **6730 (15,403)** | **6730 (15,403)** | **19 133 (41,379)** | 12 967 (27,888) | **13 503 (29,220)** | 8322 (17,910) | 9874 (21,222) | 5875 (12,630) | 7341 (15,767) | 4342 (9,311) |
| –1.5 m (–5 ft.) | **6799 (15,210)** | **6799 (15,210)** | **10 863 (24,660)** | **10 863 (24,660)** | **19 370 (41,953)** | 12 713 (27,321) | **13 946** (29,966) | 8095 (17,412) | 9704 (20,858) | 5722 (12,303) | 7261 (15,610) | 4268 (9,166) |
| –3.0 m (–10 ft.) | **11 387 (25,561)** | **11 387 (25,561)** | **16 293 (36,911)** | **16 293 (36,911)** | **18 425 (39,871)** | 12 723 (27,341) | **13 529 (29,232)** | 8047 (17,314) | 9672 (20,804) | 5694 (12,255) | | |
| –4.5 m (–15 ft.) | **16 888 (37,963)** | **16 888 (37,963)** | **22 921 (49,377)** | **22 921 (49,377)** | **16 178 (34,814)** | 12 944 (27,840) | **11 969 (25,643)** | 8177 (17,618) | **8663 (18,124)** | 5840 (12,627) | | |
| –6.0 m (–20 ft.) | | | **16 336 (34,418)** | **16 336 (34,418)** | **11 807 (24,741)** | **11 807 (24,741)** | **7965** | **7965** | | | | |

## 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™ teeth 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 3.2 m (10 ft. 6 in.) Heavy Duty | | Arm Dig Force 4.0 m (13 ft. 1 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 | 915 | 36 | 1.13 | 1.5 | 971 | 2,140 | 225.2 | 496 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 4 |
| | 1065 | 42 | 1.34 | 1.7 | 1003 | 2,212 | 225.2 | 496 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 5 |
| | 1220 | 48 | 1.55 | 2.0 | 1055 | 2,326 | 225.2 | 496 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 6 |
| | 1372 | 54 | 1.76 | 2.3 | 1161 | 2,559 | 225.2 | 496 | 177.6 | 392 | 152.6 | 337 | 1600 | 63.0 | 6 |
| Heavy Duty High Capacity | 760 | 30 | 0.96 | 1.3 | 1142 | 2,518 | 204.2 | 450 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 4 |
| | 915 | 36 | 1.19 | 1.6 | 1263 | 2,783 | 204.2 | 450 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 4 |
| | 1065 | 42 | 1.41 | 1.8 | 1416 | 3,123 | 204.2 | 450 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 5 |
| | 1220 | 48 | 1.64 | 2.1 | 1506 | 3,321 | 204.2 | 450 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 6 |
| | 1372 | 54 | 1.87 | 2.4 | 1617 | 3,565 | 204.2 | 450 | 171.7 | 379 | 148.3 | 327 | 1765 | 69.5 | 6 |

## 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.

| 350G | 380G | 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) |
| ● | ● | Programmable auto shutdown |
| ● | ● | 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 |
| ▲ | ▲ | Chrome exhaust stack |
| ▲ | ▲ | Electric ether starting aid |
| ▲ | ▲ | Hydraulic fan reverser |
| ▲ | ▲ | Engine coolant heater |
| ▲ | ▲ | 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 / Anti-drift 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 3 additional |
| ● | ● | 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.) |

| 350G | 380G | Undercarriage *(continued)* |
|---|---|---|
| ● | ● | Single-bar shoes, 700 mm (28 in.) Heavy Duty |
| ● | | Triple semi-grouser shoes, 800 mm (32 in.) |
| | ● | Triple semi-grouser shoes, 800 mm (32 in.) Heavy Duty |
| ▲ | ▲ | Undercarriage frame opening guard |
| | | **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 |
| | | **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, 2.66 m (8 ft. 9 in.) |
| ▲ | | Arm, 3.2 m (10 ft. 6 in.) |
| | ▲ | Arm, 3.2 m (10 ft. 6 in.) Heavy Duty |
| ▲ | ▲ | Arm, 4.0 m (13 ft. 1 in.) |
| ▲ | ▲ | Attachment quick-couplers |
| ▲ | ▲ | Boom cylinder with plumbing to mainframe for less boom and arm |
| ▲ | ▲ | Buckets: Heavy duty / Heavy-duty high capacity / Side cutters and teeth |
| ▲ | ▲ | "D" channel guard |
| ▲ | ▲ | Material clamps |
| ▲ | ▲ | Super-long fronts |
| | | **Operator's Station** |
| ● | ● | 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 |
| ● | ● | Hourmeter, electric |

| 350G | 380G | Operator's Station *(continued)* |
|---|---|---|
| ● | ● | Hydraulic shutoff lever, all controls |
| ● | ● | Hydraulic warm-up control |
| ● | ● | Interior light |
| ● | ● | Large cup holder |
| ● | ● | Machine Information Center (MIC) |
| ● | ● | Mode selectors (illuminated): Power modes – 3 / Travel modes – 2 with automatic shift / Work mode – one |
| ● | ● | Multifunction, color LCD monitor with: Diagnostic capability / Multiple-language capabilities / Maintenance tracking / Clock / System monitoring with alarm features: Auto-idle indicator, engine air cleaner restriction indicator light, engine check, engine coolant temperature indicator light with audible alarm, engine oil pressure indicator light with audible alarm, low-alternator-charge indicator light, low-fuel indicator light, fault code alert indicator, fuel-rate display, wiper-mode indicator, work-lights-on indicator, and work-mode indicator |
| ● | ● | Motion alarm with cancel switch (conforms to SAE J994) |
| ● | ● | Power-boost switch on right console lever |
| ● | ● | Auxiliary hydraulic control switches in right console lever |
| ● | ● | SAE 2-lever control pattern |
| ● | ● | Seat belt, 51 mm (2 in.), retractable |
| ● | ● | Tinted glass |
| ● | ● | Transparent tinted overhead hatch |
| ● | ● | Hot/cold beverage compartment |
| ▲ | ▲ | Air-suspension heated seat |
| ▲ | ▲ | 24- to 12-volt D.C. radio convertors, 10 amp |
| ▲ | ▲ | Hydraulic oil filter restriction indicator light |
| ▲ | ▲ | Protection screens for cab front, rear, and side |
| ▲ | ▲ | Seat belt, 76 mm (3 in.), non-retractable |
| ▲ | ▲ | Window vandal-protection covers |
| | | **Electrical** |
| ● | ● | 100-amp alternator |
| ● | ● | Blade-type multi-fused circuits |
| ● | ● | Positive-terminal battery covers |
| ● | ● | JDLink™ wireless communication system (available in specific countries; see your dealer for details) |
| ▲ | ▲ | Rearview camera |
| ▲ | ▲ | Cab extension wiring harness |
| | | **Lights** |
| ● | ● | Work lights: Halogen / One mounted on boom / One mounted on frame |
| ▲ | ▲ | 2 lights mounted on cab / One mounted on right side of boom |

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at test conditions specified per ISO 9249. No derating is required up to 3050-m (10,000 ft.) altitude. Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on units with 1370-mm (54 in.) buckets, full fuel tanks, and 79-kg (175 lb.) operators; a 350G LC unit with 6928-kg (15,274 lb.) counterweight and 800-mm (32 in.) triple semi-grouser shoes; and a 380G LC unit with 7629-kg (16,819 lb.) counterweight and 800-mm (32 in.) heavy-duty triple semi-grouser shoes.



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DKAX350380G Litho in U.S.A. (13-01)