## 160G LC/180G LC

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



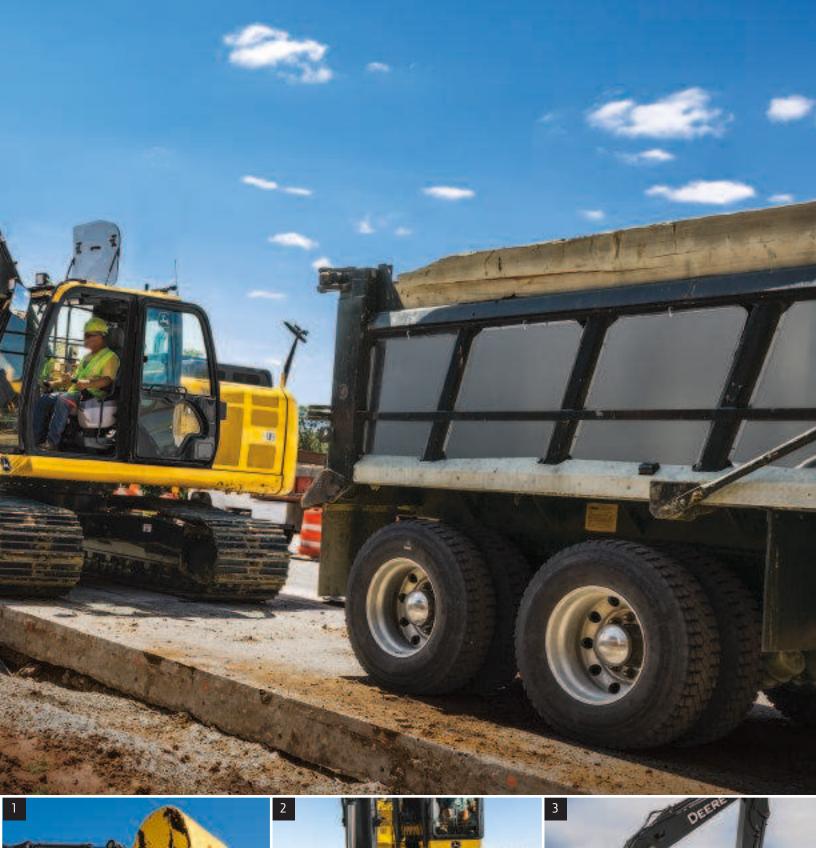






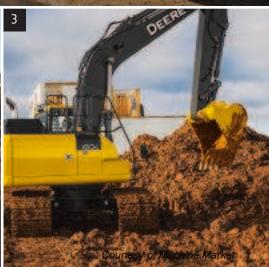


















New hood design ensures optimal visibility to the sides and rear, even with the increased under-the-hood space requirements of EPA Final Tier 4 (FT4)/ EU Stage IV engine components.

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

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

- Multi-language LCD monitor and rotary dial provide intuitive access to a wealth of information and functions. Just turn and tap to select work mode, access operating info, check maintenance intervals, source diagnostic codes, adjust cab temperature, and tune the radio. Plus much more.
- 2. Standard boom/frame lights and cab/boom-mounted options provide illumination to extend your workday beyond daytime hours. Add optional cab lights, a right-hand boom light, or the underhood light package to further dispel the dark when needed.
- **3.** Automatic, high-velocity bi-level climate-control system with automotive-style adjustable louvers helps keep the glass clear and the cab comfortable.

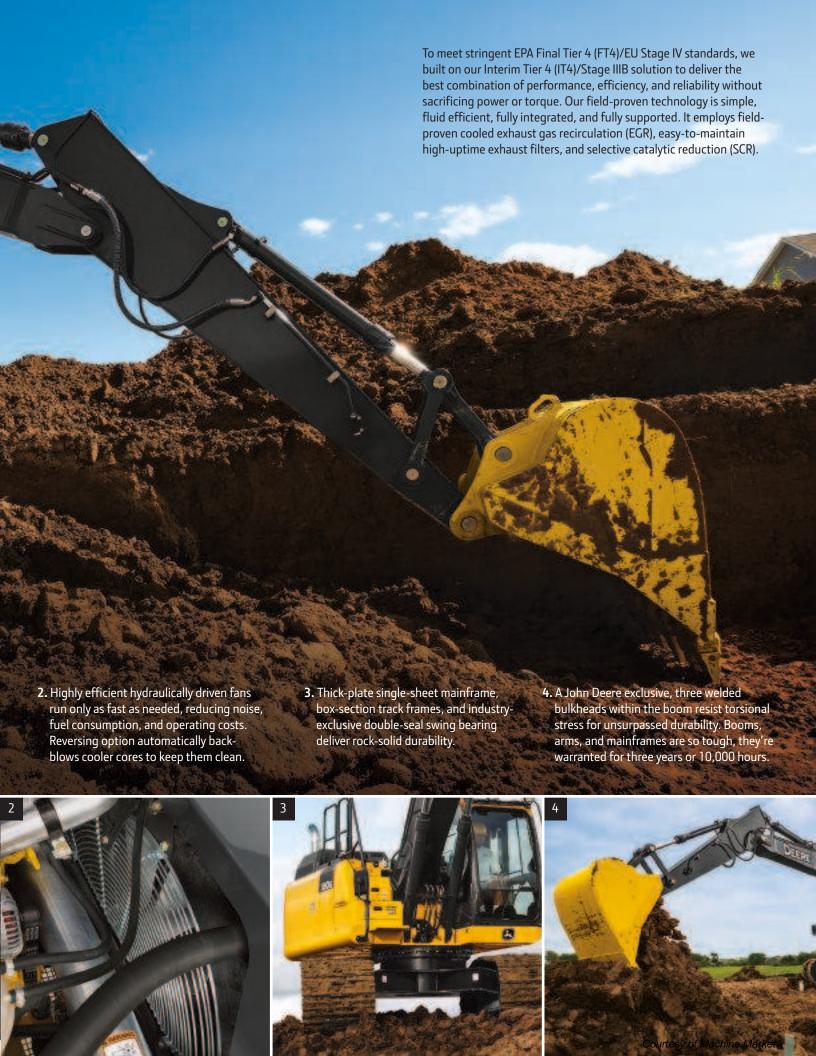








Courtesy of Machine. Market



# Uncover all the ways we keep costs down.

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

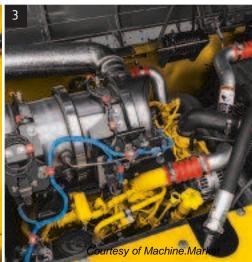
Ultimate Uptime, featuring John Deere WorkSight™, is a customizable support solution available exclusively from your Deere dealer. This flexible offering maximizes equipment availability with standard John Deere WorkSight capabilities that can help prevent future downtime and speed repairs when needed.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

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

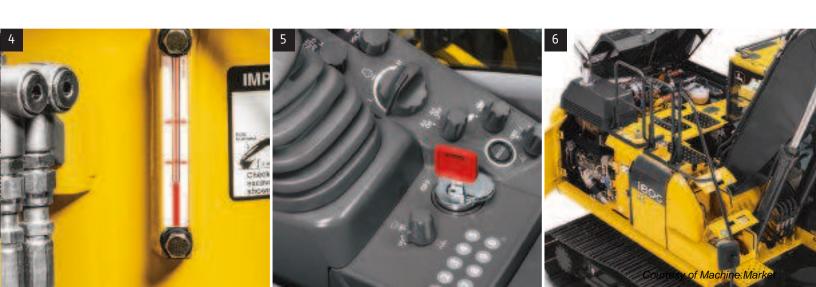


| Engine Oil Filter    |        |
|----------------------|--------|
| Previous Maintenance | e      |
| 2015/04/07           | 0.0    |
| Remains              | 375.8  |
| Maintenance Interval | 500.0+ |











| Engine                              | 160G LC  |                        |  |  |  |  |  |
|-------------------------------------|--|------------------------|--|--|--|--|--|
|                                     | Base engine for use in the U.S., U.S. Territoric | es, and Canada Opti    | ional engine for use outside the U.S. and U.S. Territories |  |  |  |  |
| Manufacturer and Model              | John Deere PowerTech™ PWS 4.5 L                  | Johr                   | n Deere 4045H  |  |  |  |  |
| Non-Road Emission Standard          | EPA Final Tier 4/EU Stage IV                     | EPA                    | EPA Tier 3/EU Stage IIIA                                   |  |  |  |  |
| Net Rated Power (ISO 9249)          | 90 kW (122 hp) at 2,200 rpm                      | <u> </u>               |  |  |  |  |  |
| Cylinders                           | 4  | 4                      | •  |  |  |  |  |
| Displacement                        | 4.5 L (275 cu. in.)                              | 4.5                    | L (275 cu. in.)  |  |  |  |  |
| Off-Level Capacity                  | 70% (35 deg.)                                    |                        | (35 deg.)  |  |  |  |  |
| Aspiration                          | Series turbocharged, air-to-air charge-air coo   |                        | oocharged, air-to-air charge-air cooler                    |  |  |  |  |
| Cooling                             |  |                        |  |  |  |  |  |
|                                     | tion-type fan with remote-mounted drive          |                        |  |  |  |  |  |
| Powertrain                          |  |                        |  |  |  |  |  |
| 2-speed propel with automatic shift |  |                        |  |  |  |  |  |
| Maximum Travel Speed                |  |                        |  |  |  |  |  |
| Low                                 | 3.4 km/h (2.1 mph)                               |                        |  |  |  |  |  |
| High                                | 5.3 km/h (3.3 mph)                               |                        |  |  |  |  |  |
| Drawbar Pull                        | 16 112 kg (35,521 lb.)                           |                        |  |  |  |  |  |
| Hydraulics                          | 10 112 kg (55,521 lb.)                           |                        |  |  |  |  |  |
| Open center, load sensing           |  |                        |  |  |  |  |  |
| Main Pumps                          | 2 variable-displacement axial-piston pumps       |                        |  |  |  |  |  |
| Maximum Rated Flow                  | 191 L/m (50.5 gpm) x 2                           |                        |  |  |  |  |  |
| Pilot Pump                          |  |                        |  |  |  |  |  |
| Maximum Rated Flow                  | l gear   |                        |  |  |  |  |  |
|                                     | 33.6 L/m (8.9 gpm)                               |                        |  |  |  |  |  |
| Pressure Setting                    | 3930 kPa (570 psi)                               |                        |  |  |  |  |  |
| System Operating Pressure Circuits  |  |                        |  |  |  |  |  |
| Implement                           | 34 336 kPa (4,980 psi)                           |                        |  |  |  |  |  |
| Travel                              | 34 336 kPa (4,980 psi)                           |                        |  |  |  |  |  |
| Swing                               | 34 336 kPa (4,980 psi)                           |                        |  |  |  |  |  |
| Power Boost                         | 38 000 kPa (5,511 psi)                           |                        |  |  |  |  |  |
| Controls                            | Pilot levers, short stroke, low-effort hydrauli  | nilot controls with sl | nutoff lever   |  |  |  |  |
| Cylinders                           | Thortevers, shore stroke, low entore hydrauli    | phot controls with si  | Tatori Tever   |  |  |  |  |
| cymiacis                            | Bore Roo   | d Diameter             | Stroke   |  |  |  |  |
| Boom (2)                            |  | mm (3.15 in.)          | 1110 mm (43.70 in.)  |  |  |  |  |
| Arm (1)                             |  | mm (3.54 in.)          | 1365 mm (53.74 in.)  |  |  |  |  |
| Bucket (1)                          | , ,  | mm (2.95 in.)          | 935 mm (36.81 in.)   |  |  |  |  |
| Electrical                          | 75   | 111111 (2.33 111.)     | וווווו ככל וווווו ככל                                      |  |  |  |  |
| Number of Batteries (12 volt)       | 2  |                        |  |  |  |  |  |
| , , ,                               | 750 CCA  |                        |  |  |  |  |  |
| Battery Capacity Alternator Rating  | 100 amp  |                        |  |  |  |  |  |
|                                     | 2 halogen (1 mounted on boom, 1 on frame)        |                        |  |  |  |  |  |
| Work Lights                         | 2 halogen (1 mounted on boom, 1 on frame)        |                        |  |  |  |  |  |
| Undercarriage                       |  |                        |  |  |  |  |  |
| Rollers (per side)                  | 2  |                        |  |  |  |  |  |
| Carrier                             | 2  |                        |  |  |  |  |  |
| Track                               | 7  |                        |  |  |  |  |  |
| Shoes (per side)                    | 43   |                        |  |  |  |  |  |
| Track                               | H. I. P.   |                        |  |  |  |  |  |
| Adjustment                          | Hydraulic  |                        |  |  |  |  |  |
| Guides                              | Front and center                                 |                        |  |  |  |  |  |
| Chain                               | Sealed and lubricated                            |                        |  |  |  |  |  |
| Ground Pressure                     |  |                        |  |  |  |  |  |
| Triple Semi-Grouser Shoes           |  |                        |  |  |  |  |  |
| 600 mm (24 in.)                     | 41 kPa (5.95 psi)                                |                        |  |  |  |  |  |
| 700 mm (28 in.)                     | 35 kPa (5.08 psi)                                |                        |  |  |  |  |  |



| Swing Mechanism                 | 160G LC                  |
|---------------------------------|--------------------------|
| Speed                           | 13.3 rpm                 |
| Torque                          | 44 000 Nm (32,353 lbft.) |
| Serviceability                  |                          |
| Refill Capacities               |                          |
| Fuel Tank                       | 285 L (75.3 gal.)        |
| Cooling System                  | 23.5 L (24.8 qt.)        |
| Engine Oil with Filter          | 17 L (18.0 qt.)          |
| Hydraulic Tank                  | 125 L (33.0 gal.)        |
| Hydraulic System                | 210 L (55.5 gal.)        |
| Gearbox                         |                          |
| Swing                           | 6.2 L (6.6 qt.)          |
| Propel (each)                   | 6.8 L (7.2 qt.)          |
| Pump Drive                      | 0.9 L (1.0 qt.)          |
| Diesel Exhaust Fluid (DEF) Tank | 26.7 L (28.2 qt.)        |
| Operating Weights               |                          |

With full fuel tank, 79-kg (175 lb.) operator, and 914-mm (36 in.), 0.60-m³ (0.78 cu. yd.), 528-kg (1,164 lb.) general-purpose bucket; 3.10-m (10 ft. 2 in.) arm; 3200-kg (7,055 lb.) counterweight; and 700-mm (28 in.) triple semi-grouser shoes

Operating Weight 17 945 kg (39,526 lb.)

#### **Optional Components**

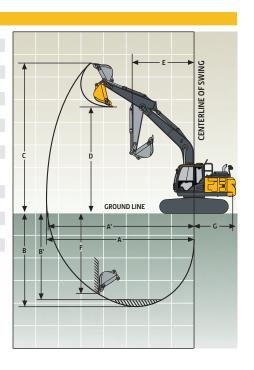
Undercarriage with Triple Semi-Grouser Shoes

600 mm (24 in.) 6316 kg (13,912 lb.) 700 mm (28 in.) 6530 kg (14,383 lb.) 1-Piece Boom (with arm cylinder) 1300 kg (2,863 lb.) Arm with Bucket Cylinder and Linkage

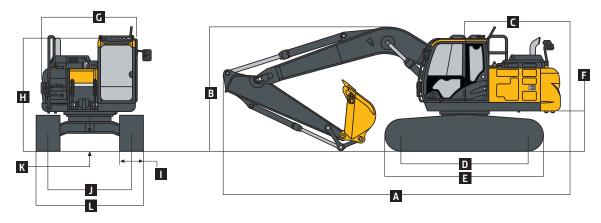
2.60 m (8 ft. 6 in.) 788 kg (1,736 lb.) 3.10 m (10 ft. 2 in.) 874 kg (1,925 lb.) Boom-Lift Cylinders (2), Total Weight 306 kg (674 lb.)

**Operating Dimensions** 

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



| M  | achine Dimensions                            | 160G LC                           |                       |
|----|--|-----------------------------------|-----------------------|
| Ar | m Length                                     | 2.60 m (8 ft. 6 in.)              | 3.10 m (10 ft. 2 in.) |
| Α  | Overall Length                               | 8.62 m (28 ft. 3 in.)             | 8.65 m (28 ft. 5 in.) |
| В  | Overall Height                               | 2.87 m (9 ft. 5 in.)              | 3.11 m (10 ft. 2 in.) |
| C  | Rear-End Length/Swing Radius                 | 2.55 m (8 ft. 4 in.)              |                       |
| D  | Distance Between Idler/Sprocket Centerline   | 3.10 m (10 ft. 2 in.)             |                       |
| Е  | Undercarriage Length                         | 3.92 m (12 ft. 10 in.)            |                       |
| F  | Counterweight Clearance                      | 1030 mm (3 ft. 5 in.)             |                       |
| G  | Upperstructure Width                         | 2.50 m (8 ft. 2 in.)              |                       |
| Н  | Cab Height                                   | 2.95 m (9 ft. 8 in.)              |                       |
| -1 | Track Width with Triple Semi-Grouser Shoes   | 600 mm (24 in.) / 700 mm (28 in.) |                       |
| J  | Gauge Width                                  | 1.99 m (6 ft. 6 in.)              |                       |
| K  | Ground Clearance                             | 470 mm (18.5 in.)                 |                       |
| L  | Overall Width with Triple Semi-Grouser Shoes |                                   |                       |
|    | 600 mm (24 in.)                              | 2.59 m (8 ft. 6 in.)              |                       |
|    | 700 mm (28 in.)                              | 2.69 m (8 ft. 10 in.)             |                       |



#### **Lift Capacities**

Boldface type indicates hydraulically limited capacity, lightface type indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 528-kg (1,164 lb.) bucket, 3200-kg (7,055 lb.) standard counterweight, and standard gauge; and situated on firm, level, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All lift capacities are based on ISO 10567 (with power boost).

|                         | HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION |                    |                    |                  |                  |                  |                 |                 |            |           |
|-------------------------|---|--------------------|--------------------|------------------|------------------|------------------|-----------------|-----------------|------------|-----------|
|                         | 1.5 m   | (5 ft.)            | 3.0 m              | (10 ft.)         | 4.5 m (          | (15 ft.)         | 6.0 m (         | 20 ft.)         | 7.5 m (    | 25 ft.)   |
| LOAD POINT HEIGHT       | Over Front                                      | Over Side          | Over Front         | Over Side        | Over Front       | Over Side        | Over Front      | Over Side       | Over Front | Over Side |
| With 2.60-m (8 ft. 6 in | .) arm and 600-i                                | mm (24 in.) triple | e semi-grouser sl  | hoes             |                  |                  |                 |                 |            |           |
| 6.0 m (20 ft.)          |   |                    |                    |                  |                  |                  | 2850            | 2850            |            |           |
| 4.5 m (15 ft.)          |   |                    |                    |                  | 4100<br>(8,900)  | 4100<br>(8,900)  | 3850<br>(8,450) | 3100<br>(6,650) |            |           |
| 3.0 m (10 ft.)          |   |                    | 8400<br>(17,900)   | 8400<br>(17,900) | 5450<br>(11,700) | 4700<br>(10,150) | 4400<br>(9,550) | 2950<br>(6,350) |            |           |
| 1.5 m (5 ft.)           |   |                    |                    |                  | 6800<br>(14,700) | 4400<br>(9,450)  | 4550<br>(9,800) | 2800<br>(6,050) |            |           |
| Ground Line             |   |                    | 5800<br>(13,450)   | 5800<br>(13,450) | 7050<br>(15,100) | 4200<br>(9,000)  | 4450<br>(9,550) | 2700<br>(5,850) |            |           |
| –1.5 m (–5 ft.)         | 5300<br>(11,850)                                | 5300<br>(11,850)   | 9950<br>(22,800)   | 7900<br>(17,000) | 6950<br>(14,950) | 4150<br>(8,900)  | 4400<br>(9,450) | 2650<br>(5,750) |            |           |
| –3.0 m (–10 ft.)        | 9850<br>(22,250)                                | 9850<br>(22,250)   | 10 600<br>(22,900) | 8050<br>(17,350) | 7050<br>(15,100) | 4200<br>(9,050)  |                 |                 |            |           |
| With 2.60-m (8 ft. 6 in | .) arm and 700-i                                | mm (28 in.) triple | e semi-grouser sl  | hoes             |                  |                  |                 |                 |            |           |
| 6.0 m (20 ft.)          |   |                    |                    |                  |                  |                  | 2850            | 2850            |            |           |
| 4.5 m (15 ft.)          |   |                    |                    |                  | 4100<br>(8,900)  | 4100<br>(8,900)  | 3850<br>(8,450) | 3150<br>(6,750) |            |           |
| 3.0 m (10 ft.)          |   |                    | 8400<br>(17,900)   | 8400<br>(17,900) | 5450<br>(11,700) | 4750<br>(10,250) | 4400<br>(9,550) | 3000<br>(6,450) |            |           |
| 1.5 m (5 ft.)           |   |                    |                    |                  | 6800<br>(14,700) | 4450<br>(9,550)  | 4600<br>(9,900) | 2850<br>(6,150) |            |           |
| Ground Line             |   |                    | 5800<br>(13,450)   | 5800<br>(13,450) | 7100<br>(15,250) | 4250<br>(9,150)  | 4500<br>(9,650) | 2750<br>(5,900) |            |           |
| –1.5 m (–5 ft.)         | 5300<br>(11,850)                                | 5300<br>(11,850)   | 9950<br>(22,800)   | 8000<br>(17,200) | 7050<br>(15,100) | 4200<br>(9,000)  | 4450<br>(9,550) | 2700<br>(5,850) |            |           |
| –3.0 m (–10 ft.)        | 9850<br>(22,250)                                | 9850<br>(22,250)   | 10 600<br>(22,900) | 8150<br>(17,550) | 7100<br>(15,250) | 4250<br>(9,150)  |                 |                 |            |           |

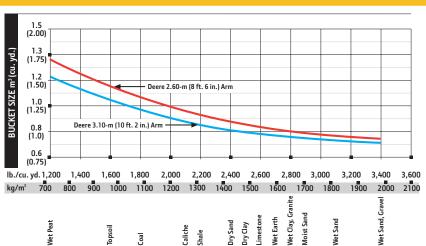
#### Lift Capacities (continued) 160G LC

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 528-kg (1,164 lb.) bucket, 3200-kg (7,055 lb.) standard counterweight, and standard gauge; and situated on firm, level, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All lift capacities are based on ISO 10567 (with power boost).

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

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<sup>w</sup> or ESCO teeth standard. Replaceable cutting edges and a variety of teeth are available through John Deere Parts. Optional side cutters add 150 mm (6 in.) to bucket widths. Capacities are SAE heaped ratings.

| Bucket Type     | Bucket | Width | Bucket | Capacity | Bucket | Weight | Bucket | Dig Force |       | ig Force<br>8 ft. 6 in.) |      | ig Force<br>0 ft. 2 in.) | Bucket T | ip Radius | Number<br>of Teeth |
|-----------------|--------|-------|--------|----------|--------|--------|--------|-----------|-------|--------------------------|------|--------------------------|----------|-----------|--------------------|
|                 | mm     | in.   | $m^3$  | cu. yd.  | kg     | lb.    | kN     | lb.       | kN    | lb.                      | kN   | lb.                      | mm       | in.       |                    |
| General Purpose |        |       |        |          |        |        |        |           |       |                          |      |                          |          |           |                    |
| High Capacity   | 610    | 24    | 0.41   | 0.54     | 491    | 1,081  | 97.4   | 21,885    | 87.0  | 19,556                   | 77.8 | 17,497                   | 1463     | 57.61     | 4                  |
|                 | 760    | 30    | 0.55   | 0.72     | 569    | 1,253  | 97.4   | 21,885    | 87.0  | 19,556                   | 77.8 | 17,497                   | 1463     | 57.61     | 4                  |
|                 | 915    | 36    | 0.70   | 0.91     | 655    | 1,443  | 97.4   | 21,885    | 87.0  | 19,556                   | 77.8 | 17,497                   | 1463     | 57.61     | 5                  |
|                 | 1065   | 42    | 0.85   | 1.11     | 733    | 1,615  | 97.4   | 21,885    | 87.0  | 19,556                   | 77.8 | 17,497                   | 1463     | 57.61     | 5                  |
| Heavy Duty      | 610    | 24    | 0.37   | 0.48     | 493    | 1,086  | 105.6  | 23,735    | 89.5  | 20,125                   | 79.8 | 17,947                   | 1349     | 53.10     | 4                  |
|                 | 760    | 30    | 0.50   | 0.65     | 554    | 1,221  | 105.6  | 23,735    | 89.5  | 20,125                   | 79.8 | 17,947                   | 1349     | 53.10     | 4                  |
|                 | 915    | 36    | 0.62   | 0.81     | 623    | 1,373  | 105.6  | 23,735    | 89.5  | 20,125                   | 79.8 | 17,947                   | 1349     | 53.10     | 5                  |
|                 | 1065   | 42    | 0.76   | 0.99     | 685    | 1,508  | 105.6  | 23,735    | 89.5  | 20,125                   | 79.8 | 17,947                   | 1349     | 53.10     | 5                  |
| Ditching        | 1525   | 60    | 0.63   | 0.83     | 484    | 1.066  | 152.3  | 34,245    | 100.1 | 22,494                   | 88.1 | 19.797                   | 935      | 36.81     | 0                  |



<sup>\*</sup>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-execution 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.



| Engine                                   | 180G LC  |                         |   |  |  |  |
|--|--|-------------------------|---|--|--|--|
|  | Base engine for use in the U.S., U.S. Territo  | ries, and Canada C      | Optional engine for use outside the U.S. and U.S. Territories |  |  |  |
| Manufacturer and Model                   | John Deere PowerTech™ PWS 4.5 L  | J                       | lohn Deere 4045H  |  |  |  |
| Non-Road Emission Standard               | EPA Final Tier 4/EU Stage IV   | E                       | EPA Tier 3/EU Stage IIIA                                      |  |  |  |
| Net Rated Power (ISO 9249)               | 95 kW (128 hp) at 2,200 rpm  | 9                       | 90 kW (121 hp) at 1,900 rpm                                   |  |  |  |
| Cylinders                                | 4  | 4                       | ·   |  |  |  |
| Displacement                             | 4.5 L (275 cu. in.)  | 4                       | 4.5 L (275 cu. in.)   |  |  |  |
| Off-Level Capacity                       | 70% (35 deg.)  |                         | 70% (35 deg.)   |  |  |  |
| Aspiration                               | Series turbocharged, air-to-air charge-air co  |                         | Furbocharged, air-to-air charge-air cooler                    |  |  |  |
| Cooling                                  | 5  |                         |   |  |  |  |
| Cool-on-demand hydraulic-driven, suction | on-type fan with remote-mounted drive  |                         |   |  |  |  |
| Powertrain                               | 31   |                         |   |  |  |  |
| 2-speed propel with automatic shift      |  |                         |   |  |  |  |
| Maximum Travel Speed                     |  |                         |   |  |  |  |
| Low                                      | 3.4 km/h (2.1 mph)   |                         |   |  |  |  |
| High                                     | 5.3 km/h (3.3 mph)   |                         |   |  |  |  |
| Drawbar Pull                             | 20 700 kg (45,636 lb.)   |                         |   |  |  |  |
| Hydraulics                               | and the stage of t |                         |   |  |  |  |
| Open center, load sensing                |  |                         |   |  |  |  |
| Main Pumps                               | 2 variable-displacement axial-piston pumps   | 5                       |   |  |  |  |
| Maximum Rated Flow                       | 191 L/m (50.5 gpm) x 2   |                         |   |  |  |  |
| Pilot Pump                               | l gear   |                         |   |  |  |  |
| Maximum Rated Flow                       | 33.6 L/m (8.9 gpm)   |                         |   |  |  |  |
| Pressure Setting                         | 3930 kPa (570 psi)   |                         |   |  |  |  |
| System Operating Pressure                | 1370 psi)  |                         |   |  |  |  |
| Circuits                                 |  |                         |   |  |  |  |
| Implement                                | 34 336 kPa (4,980 psi)   |                         |   |  |  |  |
| Travel                                   |  |                         |   |  |  |  |
|  | 34 336 kPa (4,980 psi)   |                         |   |  |  |  |
| Swing                                    | 34 336 kPa (4,980 psi)   |                         |   |  |  |  |
| Power Boost                              | 38 000 kPa (5,511 psi)   | 10 11 1 1 1 1 1 1       | 1 1   |  |  |  |
| Controls                                 | Pilot levers, short stroke, low-effort hydrau  | llic pilot controls wit | n snutorr lever   |  |  |  |
| Cylinders                                | Bore Ro  | od Diameter             | Stroke  |  |  |  |
| Page (2)                                 |  |                         |   |  |  |  |
| Boom (2)                                 |  | 5 mm (3.35 in.)         | 1123 mm (44.21 in.)   |  |  |  |
| Arm (1)                                  |  | 0 mm (3.54 in.)         | 1371 mm (53.98 in.)   |  |  |  |
| Bucket (1)                               | 105 mm (4.13 in.) 7!   | 5 mm (2.95 in.)         | 1060 mm (41.73 in.)   |  |  |  |
| Electrical                               | 2  |                         |   |  |  |  |
| Number of Batteries (12 volt)            | 2  |                         |   |  |  |  |
| Battery Capacity                         | 750 CCA  |                         |   |  |  |  |
| Alternator Rating                        | 100 amp  |                         |   |  |  |  |
| Work Lights                              | 2 halogen (1 mounted on boom, 1 on frame   | e)                      |   |  |  |  |
| Undercarriage                            |  |                         |   |  |  |  |
| Rollers (per side)                       |  |                         |   |  |  |  |
| Carrier                                  | 2  |                         |   |  |  |  |
| Track                                    | 7  |                         |   |  |  |  |
| Shoes (per side)                         | 46   |                         |   |  |  |  |
| Track                                    |  |                         |   |  |  |  |
| Adjustment                               | Hydraulic  |                         |   |  |  |  |
| Guides                                   | Center   |                         |   |  |  |  |
| Chain                                    | Sealed and lubricated  |                         |   |  |  |  |
| Ground Pressure                          |  |                         |   |  |  |  |
| Triple Comi Crouser Chass                |  |                         |   |  |  |  |
| Triple Semi-Grouser Shoes                |  |                         |   |  |  |  |
| 600 mm (24 in.)                          | 41 kPa (5.95 psi)  |                         |   |  |  |  |
|  | 41 kPa (5.95 psi)<br>36 kPa (5.22 psi)<br>32 kPa (4.64 psi)  |                         |   |  |  |  |



| Swing Mechanism                 | 180G LC                  |
|---------------------------------|--------------------------|
| Speed                           | 12.8 rpm                 |
| Torque                          | 49 000 Nm (36,029 lbft.) |
| Serviceability                  |                          |
| Refill Capacities               |                          |
| Fuel Tank                       | 285 L (75.3 gal.)        |
| Cooling System                  | 23.5 L (24.8 qt.)        |
| Engine Oil with Filter          | 17.0 L (18.0 qt.)        |
| Hydraulic Tank                  | 125 L (33.0 gal.)        |
| Hydraulic System                | 220 L (58.1 gal.)        |
| Gearbox                         |                          |
| Swing                           | 6.9 L (7.3 qt.)          |
| Propel (each)                   | 6.8 L (7.2 qt.)          |
| Pump Drive                      | 0.9 L (1.0 qt.)          |
| Diesel Exhaust Fluid (DEF) Tank | 26.7 L (28.2 qt.)        |
| Operating Weights               |                          |

With full fuel tank; 79-kg (175 lb.) operator; 1067-mm (42 in.), 0.93-m³ (1.31 cu. yd.), 666-kg (1,468 lb.) general-purpose bucket; 3.21-m (10 ft. 6 in.) arm; 3900-kg (8,598 lb.) counterweight; and 800-mm (32 in.) triple semi-grouser shoes

Operating Weight 20 507 kg (45,170 lb.)

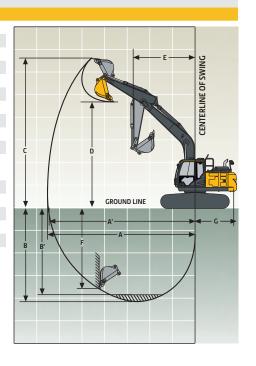
#### **Optional Components**

Undercarriage with Triple Semi-Grouser Shoes
600 mm (24 in.)
700 mm (28 in.)
7143 kg (15,733 lb.)
800 mm (32 in.)
7437 kg (16,381 lb.)
1-Piece Boom (with arm cylinder)
Arm with Bucket Cylinder and Linkage

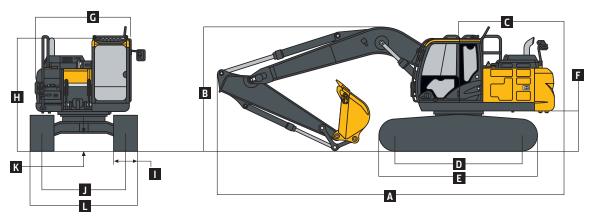
2.71 m (8 ft. 10 in.) 881 kg (1,941 lb.) 3.21 m (10 ft. 6 in.) 946 kg (2,084 lb.) Boom-Lift Cylinders (2), Total Weight 326 kg (718 lb.)

### **Operating Dimensions**

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



| Machin        | ne Dimensions                              | 180G LC   |                       |
|---------------|--|---|-----------------------|
| Arm Le        | ength                                      | 2.71 m (8 ft. 10 in.)                               | 3.21 m (10 ft. 6 in.) |
| A Ove         | erall Length with Arm                      | 9.04 m (29 ft. 8 in.)                               | 9.04 m (29 ft. 8 in.) |
| <b>B</b> Ove  | erall Height with Arm                      | 3.08 m (10 ft. 1 in.)                               | 3.39 m (11 ft. 1 in.) |
| <b>C</b> Rea  | ar-End Length/Swing Radius                 | 2.55 m (8 ft. 4 in.)                                |                       |
| <b>D</b> Dist | tance Between Idler/Sprocket Centerline    | 3.37 m (11 ft. 1 in.)                               |                       |
| E Und         | dercarriage Length                         | 4.17 m (13 ft. 8 in.)                               |                       |
| <b>F</b> Cou  | unterweight Clearance                      | 1030 mm (3 ft. 5 in.)                               |                       |
| <b>G</b> Upp  | perstructure Width                         | 2.50 m (8 ft. 2 in.)                                |                       |
| <b>H</b> Cab  | o Height                                   | 2.95 m (9 ft. 8 in.)                                |                       |
| I Trac        | ck Width with Triple Semi-Grouser Shoes    | 600 mm (24 in.) / 700 mm (28 in.) / 800 mm (32 in.) |                       |
| <b>J</b> Gau  | uge Width                                  | 2.20 m (7 ft. 3 in.)                                |                       |
| <b>K</b> Gro  | ound Clearance                             | 450 mm (17.7 in.)                                   |                       |
| <b>L</b> Ove  | erall Width with Triple Semi-Grouser Shoes |   |                       |
| 600           | 0 mm (24 in.)                              | 2.80 m (9 ft. 2 in.)                                |                       |
| 700           | 0 mm (28 in.)                              | 2.90 m (9 ft. 6 in.)                                |                       |
| 800           | 0 mm (32 in.)                              | 3.00 m (9 ft. 10 in.)                               |                       |



**Lift Capacities Boldface type** indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 666-kg (1,468 lb.) bucket, 3900-kg (5,598 lb.) standard counterweight, and standard gauge; and situated on firm, level, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All lift capacities are based on ISO 10567 (with power boost).

|                         | HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION |                    |                    |                    |                         |                  |                  |                 |                        |                 |
|-------------------------|---|--------------------|--------------------|--------------------|-------------------------|------------------|------------------|-----------------|------------------------|-----------------|
|                         | 1.5 m (5 ft.)                                   |                    | 3.0 m              | (10 ft.)           | 4.5 m (15 ft.)          |                  | 6.0 m (          | 20 ft.)         | 7.5 m (                | 25 ft.)         |
| LOAD POINT HEIGHT       | Over Front                                      | Over Side          | Over Front         | Over Side          | Over Front              | Over Side        | Over Front       | Over Side       | Over Front             | Over Side       |
| With 2.71-m (8 ft. 10 i | n.) arm and 700                                 | -mm (28 in.) trip  | le semi-grouser :  | shoes              |                         |                  |                  |                 |                        |                 |
| 6.0 m (20 ft.)          |   |                    |                    |                    |                         |                  | 3950<br>(8,700)  | 3900<br>(8,400) |                        |                 |
| 4.5 m (15 ft.)          |   |                    |                    |                    | 4800<br>(10,400)        | 4800<br>(10,400) | 4350<br>(9,450)  | 3800<br>(8,200) |                        |                 |
| 3.0 m (10 ft.)          |   |                    |                    |                    | 6500<br>(14,000)        | 5750<br>(12,450) | 5100<br>(11,050) | 3650<br>(7,800) | 4000<br><b>(8,550)</b> | 2450<br>(5,300) |
| 1.5 m (5 ft.)           |   |                    |                    |                    | 8150<br>(17,600)        | 5350<br>(11,550) | 5600<br>(12,050) | 3450<br>(7,400) | 3900<br>(8,400)        | 2400<br>(5,100) |
| Ground Line             |   |                    | 4300<br>(10,050)   | 4300<br>(10,050)   | 8750<br>(18,800)        | 5150<br>(11,050) | 5450<br>(11,750) | 3300<br>(7,100) | 3850<br>(8,250)        | 2300<br>(5,000) |
| –1.5 m (–5 ft.)         | 4600<br>(10,400)                                | 4600<br>(10,400)   | 8250<br>(18,880)   | 8250<br>(18,880)   | 8700<br>(18,650)        | 5050<br>(10,900) | 5400<br>(11,600) | 3250<br>(7,000) |                        |                 |
| –3.0 m (–10 ft.)        | 8750<br>(19,750)                                | 8750<br>(19,750)   | 12 750<br>(27,600) | 10 150<br>(21,750) | <b>8700</b><br>(18,750) | 5100<br>(11,000) | 5450<br>(11,700) | 3300<br>(7,100) |                        |                 |
| –4.5 m (–15 ft.)        |   |                    | 10 100<br>(21,650) | 10 100<br>(21,650) | 6900<br>(14,500)        | 5300<br>(11,500) |                  |                 |                        |                 |
| With 3.21-m (10 ft. 6 i | n.) arm and 600                                 | -mm (24 in.) trip  | le semi-grouser :  | shoes              |                         |                  |                  |                 |                        |                 |
| 6.0 m (20 ft.)          |   |                    |                    |                    |                         |                  | 3420<br>(7,550)  | 3420<br>(7,550) |                        |                 |
| 4.5 m (15 ft.)          |   |                    |                    |                    |                         |                  | 3870<br>(8,450)  | 3800<br>(8,160) | 3290<br>(6,700)        | 2510<br>(5,370) |
| 3.0 m (10 ft.)          |   |                    | 8920<br>(18,930)   | 8920<br>(18,930)   | 5810<br>(12,500)        | 5790<br>(12,480) | 4680<br>(10,150) | 3610<br>(7,760) | 3930<br>(8,440)        | 2430<br>(5,200) |
| 1.5 m (5 ft.)           |   |                    |                    |                    | 7610<br>(16,410)        | 5340<br>(11,510) | 5540<br>(11,900) | 3400<br>(7,310) | 3820<br>(8,210)        | 2330<br>(4,990) |
| Ground Line             |   |                    | 4650<br>(10,760)   | 4650<br>(10,760)   | 8620<br>(18,500)        | 5050<br>(10,870) | 5350<br>(11,510) | 3230<br>(6,960) | 3730<br>(8,020)        | 2240<br>(4,820) |
| –1.5 m (–5 ft.)         | 3930<br>(8,830)                                 | 3930<br>(8,830)    | 7390<br>(16,860)   | 7390<br>(16,860)   | 8480<br>(18,190)        | 4930<br>(10,600) | 5260<br>(11,300) | 3150<br>(6,770) | 3690<br>(7,940)        | 2210<br>(4,740) |
| –3.0 m (–10 ft.)        | 7200<br>(16,210)                                | 7200<br>(16,210)   | 11 700<br>(26,760) | 9800<br>(21,010)   | 8500<br>(18,230)        | 4940<br>(10,640) | 5260<br>(11,320) | 3150<br>(6,790) |                        |                 |
| –4.5 m (–15 ft.)        | <b>11 630</b> (26,400)                          | 11 630<br>(26,400) | 11 300<br>(24,250) | 10 080<br>(21,630) | 7670<br>(16,400)        | 5090<br>(10,970) |                  |                 |                        |                 |
|                         |   |                    |                    |                    |                         |                  |                  |                 |                        |                 |

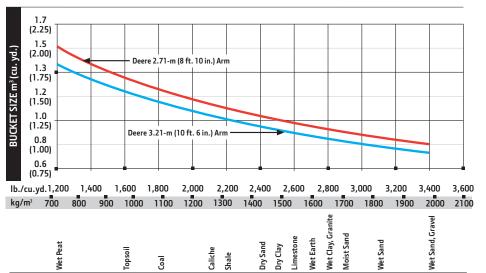
#### Lift Capacities (continued) 180G LC

**Boldface type** indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 666-kg (1,468 lb.) bucket, 3900-kg (5,598 lb.) standard counterweight, and standard gauge; and situated on firm, level, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All lift capacities are based on ISO 10567 (with power boost).

| HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION |   |   |   |  |                  |   |   |                     |   |
|---|---|---|---|--|------------------|---|---|---------------------|---|
| 1.5 m   | (5 ft.) 3.0 m (10 ft.) 4.5 m (15 ft.)   |   |   |  | (15 ft.)         | 6.0 m (   | 20 ft.)   | 7.5 m (             | 25 ft.)   |
| Over Front                                      | Over Side   | Over Front  | Over Side   | Over Front   | Over Side        | Over Front                                      | Over Side   | Over Front          | Over Side   |
| n.) arm and 700-                                | mm (28 in.) triple  | e semi-grouser sh   | oes   |  |                  |   |   |                     |   |
|   |   |   |   |  |                  | 3420<br>(7,550)                                 | 3420<br>(7,550)   |                     |   |
|   |   |   |   |  |                  | 3870<br>(8,450)                                 | 3870<br>(8,310)   | <b>3290</b> (6,700) | 2560<br>(5,480)   |
|   |   | 8920<br>(18,930)  | 8920<br>(18,930)  | 5810<br>(12,500)   | 5810<br>(12,500) | 4680<br>(10,150)                                | 3680<br>(7,910)   | 4010<br>(8,610)     | 2480<br>(5,320)   |
|   |   |   |   | 7610<br>(16,410)   | 5440<br>(11,730) | 5580<br>(12,080)                                | 3470<br>(7,460)   | 3900<br>(8,380)     | 2380<br>(5,100)   |
|   |   | 4650<br>(10,760)  | 4650<br>(10,760)  | 8790<br>(18,850)   | 5150<br>(11,080) | 5460<br>(11,740)                                | 3300<br>(7,100)   | 3810<br>(8,190)     | 2300<br>(4,930)   |
| 3930<br>(8,830)                                 | 3930<br>(8,830)   | 7390<br>(16,860)  | 7390<br>(16,860)  | 8650<br>(18,550)   | 5030<br>(10,820) | 5370<br>(11,530)                                | 3220<br>(6,920)   | 3770<br>(8,110)     | 2260<br>(4,850)   |
| 7200<br>(16,210)                                | 7200<br>(16,210)  | 11 700<br>(26,760)  | 9980<br>(21,400)  | 8660<br>(18,580)   | 5040<br>(10,850) | 5370<br>(11,550)                                | 3220<br>(6,930)   |                     |   |
| 11 630<br>(26,400)                              | 11 630<br>(26,400)  | 11 300<br>(24,250)  | 10 260<br>(22,020)  | 7670<br>(16,400)   | 5190<br>(11,180) |   |   |                     |   |
| n.) arm and 800-                                | mm (32 in.) triple  | semi-grouser sh   | oes   |  |                  |   |   |                     |   |
|   |   |   |   |  |                  | 3420<br>(7,550)                                 | 3420<br>(7,550)   |                     |   |
|   |   |   |   |  |                  | 3870<br>(8,450)                                 | <b>3870</b> (8,420)   | 3290<br>(6,700)     | 2600<br>(5,570)   |
|   |   | 8920<br>(18,930)  | 8920<br>(18,930)  | 5810<br>(12,500)   | 5810<br>(12,500) | 4680<br>(10,150)                                | 3730<br>(8,020)   | 4070<br>(8,740)     | 2520<br>(5,400)   |
|   |   |   |   | 7610<br>(16,410)   | 5520<br>(11,890) | 5580<br>(12,080)                                | 3520<br>(7,570)   | 3960<br>(8,510)     | 2420<br>(5,190)   |
|   |   | 4650<br>(10,760)  | 4650<br>(10,760)  | 8830<br>(19,090)   | 5220<br>(11,240) | 5540<br>(11,910)                                | 3350<br>(7,210)   | 3870<br>(8,320)     | 2340<br>(5,010)   |
| 3930<br>(8,830)                                 | 3930<br>(8,830)   | 7390<br>(16,860)  | 7390<br>(16,860)  | 8770<br>(18,810)   | 5100<br>(10,980) | 5450<br>(11,710)                                | 3270<br>(7,030)   | 3830<br>(8,240)     | 2300<br>(4,940)   |
| 7200<br>(16,210)                                | 7200<br>(16,210)  | 11 700<br>(26,760)  | 10 120<br>(21,690)  | 8790<br>(18,850)   | 5120<br>(11,010) | 5450<br>(11,730)                                | 3270<br>(7,040)   |                     |   |
| 11 630<br>(26,400)                              | 11 630<br>(26,400)  | 11 300<br>(24,250)  | 10 390<br>(22,310)  | 7670<br>(16,400)   | 5260<br>(11,340) |   |   |                     |   |
|   | 3930 (8,830) 7200 (16,210) 11 630 (8,830) 7200 (16,210) 11 630 (8,830) 7200 (16,210) 11 630 | 3930 3930 (8,830) 7200 (16,210) 11 630 (16,210) 11 630 (16,210) 11 630 (16,210) 11 630 (16,210) 11 630 (16,210) 11 630 (16,210) 11 630 (16,210) 11 630 (16,210) 11 630 (16,210) 11 630 11 630 | Over Front         Over Side         Over Front           n.) arm and 700-mm (28 in.) triple semi-grouser shaden.         8920 (18,930)           4650 (10,760)         3930 7390 (16,860)           7200 7200 11 700 (16,210) (26,760)         11 630 11 630 11 300 (26,400)           11 630 11 630 11 630 11 300         26,400) (26,400)           10,760 (10,760)         3930 7390 (16,860)           3930 3930 7390 (16,860)         7200 (16,860)           7200 7200 11 700 (16,210) (26,760)         11 630 11 630 11 300 | 1.5 m (5 ft.)    Over Front   Over Side   Over Front   Over Side | 1.5 m   5 ft.    | 1.5 m (5 ft.)   3.0 m (10 ft.)   4.5 m (15 ft.) | 1.5 m   5 ft.   3.0 m   10 ft.   4.5 m   15 ft.   6.0 m     Over Front   Over Side   Over Front   Over Side   Over Front     Over Front   Over Side   Over Front   Over Side   Over Front     Over Front   Over Side   Over Front   Over Side   Over Front     3420 (7,550)     3870   (8,450)     (18,930)   (18,930)   (18,930)   (12,500)   (12,500)   (10,150)     (10,10)   (10,60)   (10,60)   (18,850)   (10,80)   (11,730)     (16,210)   (16,210)   (26,660)   (21,400)   (18,580)   (10,820)   (11,530)     (1,0)   (1,0)   (1,0)   (1,0)   (1,0)   (1,0)     (1,0) | Note   First        | 1.5 m (5 ft.) 3.0 m (10 ft.) 4.5 m (15 ft.) 6.0 m (20 ft.) 7.5 m (    Over Front   Over Side   Over Front   Over Side   Over Front   Over Side   Over Front |

A full line of buckets is offered to meet a wide variety of applications. Digging forces are with power boost. Buckets are equipped with John Deere Fanggs™ or ESCO teeth standard. Replaceable cutting edges and a variety of teeth are available through John Deere Parts. Optional side cutters add 150 mm (6 in.) to bucket widths. Capacities are SAE heaped ratings.

| Type Bucket      | Bucket   | Width | Bucket | Capacity | Bucket | Weight |       | Dig Force<br>AE) |      | ig Force<br>3 ft. 10 in.) |      | ig Force<br>0 ft. 6 in.) | Bucket T | ip Radius | Number of Teeth |
|------------------|----------|-------|--------|----------|--------|--------|-------|------------------|------|---------------------------|------|--------------------------|----------|-----------|-----------------|
|                  | mm       | in.   | $m^3$  | cu. yd.  | kg     | lb.    | kN    | lb.              | kN   | lb.                       | kN   | lb.                      | mm       | in.       |                 |
| Heavy Duty       | 760      | 30    | 0.54   | 0.71     | 622    | 1,369  | 112.7 | 25,329           | 91.1 | 20,489                    | 81.4 | 18,293                   | 1463     | 57.61     | 4               |
|                  | 915      | 36    | 0.69   | 0.90     | 708    | 1,559  | 112.7 | 25,329           | 91.1 | 20,489                    | 81.4 | 18,293                   | 1463     | 57.61     | 5               |
|                  | 1065     | 42    | 0.83   | 1.09     | 786    | 1,731  | 112.7 | 25,329           | 91.1 | 20,489                    | 81.4 | 18,293                   | 1463     | 57.61     | 5               |
|                  | 1220     | 48    | 0.99   | 1.29     | 872    | 1,921  | 112.7 | 25,329           | 91.1 | 20,489                    | 81.4 | 18,293                   | 1463     | 57.61     | 6               |
| Heavy Duty       |          |       |        |          |        |        |       |                  |      |                           |      |                          |          |           |                 |
| High Capacity    | 915      | 36    | 0.74   | 0.97     | 809    | 1,782  | 111.9 | 25,156           | 90.9 | 20,440                    | 81.2 | 18,252                   | 1473     | 58.0      | 5               |
|                  | 1065     | 42    | 0.91   | 1.19     | 886    | 1,951  | 111.9 | 25,156           | 90.9 | 20,440                    | 81.2 | 18,252                   | 1473     | 58.0      | 5               |
| Bucket Selection | n Guide* |       |        |          |        |        |       |                  |      |                           |      |                          |          |           |                 |



<sup>\*</sup>Contact your John Deere dealer for optimum bucket and attachment selections. These recommendations are for general conditions and average use. Does not include optional equipment such as thumbs or couplers. Larger buckets may be possible when using light materials, for flat and level operations, less compacted materials, and volume loading applications such as mass-excavation applications in ideal conditions. Smaller buckets are recommended for adverse conditions such as off-level applications, rocks, and uneven surfaces. Bucket capacity indicated is SAE heaped.

## Additional equipment

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

See your John Deere dealer for further information.

160G 180G

| 60G      | 180G                 |  | 160G     | 180G     |                           |
|----------|----------------------|--|----------|----------|---------------------------|
| .C       | LC                   | Engine   | LC       | LC       | Upperstruc                |
|          | •                    | Auto-idle system   | •        | •        | Right-hand                |
|          |                      | Automatic belt-tension device                              |          | •        | Vandal locks              |
| •        | •                    | Batteries (2 – 12 volt)                                    | _        | _        | Service door              |
|          | •                    | Coolant recovery tank                                      |          | •        | Debris-scree              |
| •        | •                    | Dual-element dry-type air filter                           | •        | •        | Remote-mo<br>filters      |
|          | •                    | Electronic engine control                                  |          |          | Front Attac               |
|          | •                    | Enclosed fan guard (conforms to SAE<br>J1308)              | •        | •        | Centralized               |
|          | •                    | Engine coolant to –37 deg. C (–34 deg. F)                  | •        | •        | Dirt seals or             |
|          | •                    | Fuel filter with water separator                           | •        | •        | Less boom a               |
|          |                      | Full-flow oil filter                                       |          | •        | Oil-impregn               |
|          | •                    | Turbocharger with charge air cooler                        | •        | •        | Reinforced                |
|          | •                    | Cool-on-demand hydraulic-driven fan                        | •        | •        | Tungsten ca               |
|          | •                    | 500-hour engine-oil-change interval                        | •        |          | arm-to-buc<br>Arm, 2.60 m |
|          |                      | 70% (35 deg.) off-level capability                         |          |          | Arm, 2.71 m               |
| )        | •                    | Engine-oil-sampling valve                                  |          | <b>A</b> | Arm, 3.10 m               |
|          |                      | Programmable auto shutdown                                 | <b>A</b> |          | Arm, 3.10 m               |
|          | <b>A</b>             | Chrome exhaust stack                                       |          | <b>A</b> | Attachment                |
|          | <b>A</b>             | Severe-duty fuel filter                                    | <b>A</b> |          | Boom cylind               |
|          | <b>A</b>             | Hydraulic fan reverser                                     |          |          | frame less b              |
| <b>L</b> | <b>A</b>             | Engine coolant heater                                      | •        | •        | Buckets: Dit              |
|          |                      | Hydraulic System   | _        | _        | duty high ca              |
| )        |                      | Reduced-drift valve for boom down,                         |          | <b>A</b> | Material cla              |
|          | _                    | arm in   |          |          | Operator's                |
|          | •                    | Auxiliary hydraulic valve section                          | •        | •        | Meets ISO 1               |
|          | •                    | Spring-applied, hydraulically released                     | •        | •        | Adjustable in             |
|          | •                    | automatic swing brake Auxiliary hydraulic-flow adjustments |          |          | (levers-to-se             |
|          |                      | through monitor  | •        | •        | AM/FM radi                |
|          | •                    | Auto power lift  | •        |          | Auto climate              |
| )        | •                    | 5,000-hour hydraulic-oil-change interval                   |          |          | heater/pres               |
|          | •                    | Hydraulic-oil-sampling valve                               |          |          | Built-in Ope              |
|          | Ā                    | Auxiliary hydraulic lines                                  |          |          | compartme                 |
|          | _                    | Auxiliary pilot and electric controls                      |          | •        | Cell-phone p 5 amp        |
|          | $\overline{\Lambda}$ | Hydraulic filter restriction indicator kit                 |          |          | Coat hook                 |
|          | _                    | Load-lowering control device                               |          |          | Deluxe susp               |
|          | _                    | Single-pedal propel control                                |          |          | 100-mm (4                 |
|          | _                    | Control pattern-change valve                               | •        | •        | Floor mat                 |
|          |                      | Undercarriage  | •        | •        | Front winds               |
|          | •                    | Planetary drive with axial piston motors                   |          |          | speeds                    |
|          | •                    | Propel motor shields                                       |          |          | Gauges (illur             |
| •        | •                    | Spring-applied, hydraulically released                     |          |          | (DEF) / Engi              |
| •        | •                    | automatic propel brake                                     | •        | •        | Horn, electr              |
|          | •                    | Track guides, front idler and center                       | •        | •        | Hour meter,               |
| •        | •                    | 2-speed propel with automatic shift                        | •        | •        | Hydraulic sh              |
|          | •                    | Upper carrier rollers (2)                                  | •        | •        | Hydraulic w               |
|          | •                    | Sealed and lubricated track chain                          | •        | •        | Interior ligh             |
|          | <b>A</b>             | Triple semi-grouser shoes, 600 mm (24 in.)                 |          | •        | Large cup h               |
| <b>A</b> | _                    |  |          |          |                           |
| <b>A</b> | <b>A</b>             | Triple semi-grouser shoes, 700 mm (28 in.)                 |          | •        | Machine Inf               |

| 160G     | 180G     | Harris and the second s |
|----------|----------|--|
| LC       | LC       | Upperstructure   |
| •        | •        | Right-hand and left-hand mirrors   |
| •        | •        | Vandal locks with ignition key: Cab door /   |
|          | •        | Service doors / Toolbox Debris-screening side panel  |
| •        |          | , ·  |
| •        | •        | Remote-mounted engine oil and fuel filters   |
|          |          | Front Attachments  |
| •        | •        | Centralized lubrication system   |
| •        | •        | Dirt seals on all bucket pins  |
| •        | •        | Less boom and arm  |
| •        | •        | Oil-impregnated bushings   |
| •        |          | Reinforced resin thrust plates   |
| •        | •        | Tungsten carbide thermal coating on  |
|          |          | arm-to-bucket joint  |
| _        |          | Arm, 2.60 m (8 ft. 6 in.)  |
|          |          | Arm, 2.71 m (8 ft. 10 in.)   |
| _        |          | Arm, 3.10 m (10 ft. 2 in.)   |
|          | <b>A</b> | Arm, 3.21 m (10 ft. 6 in.)   |
| <b>A</b> |          | Attachment quick-couplers  |
| •        | <b>A</b> | Boom cylinder with plumbing to main-<br>frame less boom and arm  |
| <b>A</b> | <b>A</b> | Buckets: Ditching / Heavy duty / Heavy-<br>duty high capacity / Side cutters and teeth   |
| <b>A</b> | <b>A</b> | Material clamps  |
| _        | _        | Operator's Station   |
| •        | •        | Meets ISO 12117-2 for ROPS   |
| •        | •        | Adjustable independent-control positions (levers-to-seat, seat-to-pedals)  |
| •        | •        | AM/FM radio  |
| •        | •        | Auto climate control/air conditioner/<br>heater/pressurizer  |
| •        | •        | Built-in Operator's Manual storage   |
|          |          | compartment and manual   |
| •        | •        | Cell-phone power outlet, 12 volt, 60 watt, 5 amp   |
| •        | •        | Coat hook  |
| •        | •        | Deluxe suspension cloth seat with 100-mm (4 in.) adjustable armrests   |
| •        | •        | Floor mat  |
| •        | •        | Front windshield wiper with intermittent speeds  |
| •        | •        | Gauges (illuminated): Diesel Exhaust Fluid (DEF) / Engine coolant / Fuel   |
| •        | •        | Horn, electric   |
|          |          | Hour meter, electric   |
|          |          | Hydraulic shutoff lever, all controls  |
|          |          | •  |
| •        | _        | Hydraulic warm-up control  |
| •        | •        | Interior light   |
| •        |          | Large cup holder  Machine Information Center (MIC)   |
|          |          | wacinite information center (wile)   |

| LC       | LC       | Operator's Station (continued)  |
|----------|----------|---|
| •        | •        | Mode selectors (illuminated): Power<br>modes (3) / Travel modes (2 with auto-<br>matic shift) / Work mode (1)   |
| •        | •        | Multifunction, color LCD monitor with: Diagnostic capability / Multiple-language capabilities / Maintenance tracking / Clock / System monitoring with alarm features: Auto-idle indicator, engine air cleaner restriction indicator light, engine check, engine coolant temperature indi- cator 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  |
| <b>A</b> | <b>A</b> | 24- to 12-volt D.C. radio convertors,<br>10 amp   |
| •        | <b>A</b> | Hydraulic oil filter restriction indicator<br>light   |
| <b>A</b> | <b>A</b> | Protection screens for cab front, rear, and side  |
| <b>A</b> |          | Seat belt, 76 mm (3 in.), non-retractable   |
| <b>A</b> | <b>A</b> | Window vandal-protection covers   |
|          |          | Electrical  |
| •        | •        | 100-amp alternator  |
| •        |          | Blade-type multi-fused circuits   |
| •        | •        | Positive-terminal battery covers  |
| •        | •        | JDLink™ wireless communication system<br>(available in specific countries; see your   |
|          |          | dealer for details)   |
| •        | •        | Rearview camera   |
| <b>A</b> | <b>A</b> | Cab extension wiring harness  |
|          |          | Work lights: Halogen / 1 mounted on   |
| •        | •        | Work lights: Halogen / 1 mounted on boom / 1 mounted on frame   |
| <b>A</b> | <b>A</b> | 2 lights mounted on cab / 1 mounted on right side of boom   |
|          |          |   |

