G-SERIES
345G LC EXCAVATOR

AGILITY MEETS CAPABILITY
SE.

REDUCED TAIL SWING + PERFORMANCE
Whether your work is street repair, underground utilities, site development, or landscaping, the 345G LC Excavator will revitalize your operation as you rejuvenate your community. Meeting customer demand for a larger reduced-tail-swing excavator, the 345G LC improves your capability to work in congested areas or around traffic.
COMES OUT FIGHTING
SAVES YOUR TAIL (AND ITS OWN).

The 345G LC Excavator performs best with its back against the wall. Its reduced-tail-swing design helps you maximize productivity when you’re between a rock and a hard place.

Go with the flow
Three-pump hydraulic system delivers superb hydraulic flow. With one pump dedicated to the swing circuit, hydraulic flow is never compromised — for fast cycle times and smooth multifunction performance.

Explore your options
Choose from a variety of arm lengths, buckets, high-flow auxiliary hydraulic packages, and numerous other options. The 345G LC coupler is compatible with the attachments available for the 300G LC, to help maximize fleet utility.

Put your mind at ease
Redesigned pistons and fuel injectors enable the aftertreatment of the powerful 249-hp engine to meet EPA Final Tier 4/EU Stage IV emissions without a diesel particulate filter (DPF). High-efficiency combustion means that no fuel is left over, no damaging soot is created, and no components need to be replaced — to minimize maintenance requirements and worries.
MORE POWER IN CLOSE QUARTER
TIGHT JOBSITES AND DEADLINES?
HELP HAS ARRIVED.

The 345G LC offers a larger alternative to the popular 245G LC — to help you complete big projects more efficiently.

More performance
This close-quarters specialist delivers more reach, lift capacity, digging depth, breakout force, swing torque, and bucket capacity than previous models.

The tough get going
When the going gets tough, simply press the power-boost button on the right-hand control and muscle through.
WON’T CRAMP YOUR STYLE
LESS CONFINED, MORE REFINED.

A smaller back end doesn’t mean a cramped workspace. The 345G LC is a reduced-tail-swing machine boasting a full-size cab. Step inside and make yourself at home.

Ready to work
Operators will appreciate the fabric-covered high-back seat and generous legroom in the spacious, well-appointed cab. As always, excellent visibility, low-effort joysticks, a highly efficient HVAC system, and numerous other amenities provide what you need to do your best work.

Low-effort controls
Ergonomically correct short-throw pilot levers provide predictable, smooth control with minimal movement or effort. Push buttons on the right joystick allow fingertip control of auxiliary hydraulic flow for operating attachments.

See more, do more
Hood design enables optimal visibility to the sides and rear. Standard rearview camera expands the view even more, showing the action behind the machine on the front monitor.

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

Put more productivity on speed dial
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.
REduced-tail-swing machine with a full-size cab
SERVICE MADE SIMPLE
REDUCES COSTS, TOO.

**Job-proven undercarriage**
The 345G LC shares the same tough undercarriage with the bigger 350G LC. With large idlers, rollers, and strutted links, this sealed and lubricated undercarriage delivers long and reliable performance.

**Keep free of debris**
Fine-mesh screen prevents large debris from entering the engine compartment and coolers. The screen is easy to remove for quick cleaning.

**Ground-level service checks**
Swing open the side panels for quick, convenient, ground-level access to filters and daily service points.

**Extend battery life**
Easily accessible in the rear door behind the cab, the battery-disconnect switch helps extend battery life.

**Play it cool**
Highly efficient heavy-duty cooling system keeps things cool, even in tough environments or high altitudes. Side-by-side cooler cores provide maximum cooling efficiency and allow easy cleaning.
Get valuable insight with **JOHN DEERE WORKSIGHT™**

The John Deere WorkSight suite of construction technology delivers **Productivity Solutions** to help you get more done, more efficiently. The in-base, five-year JDLink™ telematics subscription provides machine location, utilization data, and alerts to help you maximize productivity and efficiency. Other productivity solutions include grade-management and payload-weighing options.

To maximize uptime and lower costs, JDLink telematics also enables **John Deere Connected Support.** John Deere’s centralized Machine Health Monitoring Center analyzes data from thousands of connected machines, identifies trends, and develops actions to prevent downtime called Expert Alerts. Dealers use Expert Alerts to proactively address conditions that would otherwise likely lead to downtime. Your dealer can also monitor machine health and leverage remote diagnostics and programming capability to further diagnose problems and even update machine software without a time-consuming trip to the jobsite.
### Engine

<table>
<thead>
<tr>
<th>Manufacturer and Model</th>
<th>345G LC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Road Emission Standard</td>
<td>EPA Final Tier 4/EU Stage IV</td>
</tr>
<tr>
<td>Net Peak Power (ISO 9249)</td>
<td>186 kW (254 hp) at 1,900 rpm</td>
</tr>
<tr>
<td>Cylinders</td>
<td>6</td>
</tr>
<tr>
<td>Displacement</td>
<td>7.79 L (475 cu. in.)</td>
</tr>
<tr>
<td>Off-Level Capacity</td>
<td>70% (35 deg.)</td>
</tr>
<tr>
<td>Aspiration</td>
<td>Turbocharged, air-to-air charge-air cooler</td>
</tr>
</tbody>
</table>

### Cooling

Cool-on-demand, hydraulic-driven, suction-type fan with remote-mounted drive and enclosed fan guard; side-by-side radiator, oil cooler, and intercooler with dust net filter.

### Powertrain

2-speed propel with automatic shift

<table>
<thead>
<tr>
<th>Maximum Travel Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low</td>
</tr>
<tr>
<td>High</td>
</tr>
<tr>
<td>Drawbar Pull</td>
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</table>

### Hydraulics

Open center, load sensing with variable-displacement pumps

<table>
<thead>
<tr>
<th>Main Pumps</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 variable-displacement axial-piston pumps</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Maximum Rated Flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump 1/Pump 2</td>
</tr>
<tr>
<td>Pump 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pilot Pump</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 gear</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Maximum Rated Flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure Setting</td>
</tr>
</tbody>
</table>

### System Operating Pressure

<table>
<thead>
<tr>
<th>Circuits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Implement</td>
</tr>
<tr>
<td>Travel</td>
</tr>
<tr>
<td>Swing</td>
</tr>
<tr>
<td>Power Boost</td>
</tr>
</tbody>
</table>

### Controls

Pilot levers, short stroke, low-effort hydraulic pilot controls with shutoff lever

### Cylinders

<table>
<thead>
<tr>
<th>Bore (mm)</th>
<th>Rod Diameter (mm)</th>
<th>Stroke (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom (2)</td>
<td>135 (5.3 in.)</td>
<td>100 (3.9 in.)</td>
</tr>
<tr>
<td>Arm (1)</td>
<td>150 (5.9 in.)</td>
<td>105 (4.1 in.)</td>
</tr>
<tr>
<td>Bucket (1)</td>
<td>135 (5.3 in.)</td>
<td>90 (3.5 in.)</td>
</tr>
</tbody>
</table>

### Electrical

<table>
<thead>
<tr>
<th>Voltage</th>
<th>24 volt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Batteries</td>
<td>2</td>
</tr>
<tr>
<td>Battery Capacity</td>
<td>860 CCA</td>
</tr>
<tr>
<td>Alternator Rating</td>
<td>50 amp</td>
</tr>
<tr>
<td>Work Lights</td>
<td>3 halogen (1 mounted on frame, 2 mounted on boom)</td>
</tr>
</tbody>
</table>

### Undercarriage

<table>
<thead>
<tr>
<th>Rollers (each side)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carrier (upper)</td>
</tr>
<tr>
<td>Track (lower)</td>
</tr>
<tr>
<td>Shoes, Triple Semi-Grousers (each side)</td>
</tr>
</tbody>
</table>

### Track

<table>
<thead>
<tr>
<th>Adjuster</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guides</td>
</tr>
<tr>
<td>Chain</td>
</tr>
</tbody>
</table>

### Ground Pressure

| 800-mm (32 in.) Triple Semi-Grouser Shoes | 50 kPa (7.3 psi) |
Swing Mechanism

Swing
- Speed: 10.5 rpm
- Torque: 90,500 Nm (66,750 lb.-ft.)

Serviceability

Refill Capacities
- Fuel Tank: 380 L (100 gal.)
- Diesel Exhaust Fluid (DEF) Tank: 16 L (4.2 gal.)
- Cooling System: 41 L (10.8 gal.)
- Engine Oil with Filter: 48 L (12.7 gal.)
- Hydraulic Tank: 160 L (42 gal.)
- Hydraulic System: 330 L (87 gal.)
- Swing Drive: 12 L (3.2 gal.)
- Gearbox: 11 L (2.9 gal.)
- Pump Drive Gear Case: 1.1 L (0.3 qt.)
- Swing Bearing Grease Bath: 19 kg (41.9 lb.)

Operating Weights
- With full fuel tank: 79-kg (175 lb.) operator; 1.25-m (1.63 cu. yd.), 1067-mm (42 in.), 957-kg (2,110 lb.) bucket; 3.76-m (12 ft. 4 in.) arm; 8680-kg (19,136 lb.) counterweight; and 800-mm (32 in.) triple semi-grouser shoes
- SAE Operating Weight: 35,700 kg (78,710 lb.)

Component Weights
- Undercarriage
  - 800-mm (32 in.) Triple Semi-Grouser Shoes: 12,710 kg (28,021 lb.)
- One-Piece Boom (with arm cylinder): 2385 kg (5,258 lb.)
- Arm with Bucket Cylinder and Linkage
  - 3.76 m (12 ft. 4 in.): 1583 kg (3,490 lb.)
  - 3.11 m (10 ft. 2 in.): 1494 kg (3,294 lb.)
  - Boom-Lift Cylinders (2), Total Weight: 584 kg (1,287 lb.)
- Cylinder (1), Total Weight: 348 kg (767 lb.)
- Bucket: 211 kg (465 lb.)

Operating Dimensions
- Arm Length with 6.2-m (20 ft. 4 in.)
  - 3.11 m (10 ft. 2 in.): 144 kN (32,370 lb.)
  - 3.76 m (12 ft. 4 in.): 127 kN (28,550 lb.)
  - Bucket: 202 kN (45,410 lb.)
  - SAE: 175 kN (39,340 lb.)
- Standard Boom
  - 10.90 m (35 ft. 9 in.): 10.64 m (34 ft. 11 in.): 11.46 m (37 ft. 7 in.)
  - Maximum Reach at Ground Level: 11.22 m (36 ft. 10 in.)
  - Maximum Digging Depth: 6.92 m (22 ft. 8 in.)
  - Maximum Digging Depth at 2.44-m (8 ft. 0 in.) Flat Bottom: 6.74 m (22 ft. 1 in.)
  - Maximum Cutting Height: 11.41 m (37 ft. 5 in.)
  - Maximum Dumping Height: 8.38 m (27 ft. 6 in.)
  - Minimum Swing Radius: 3.40 m (11 ft. 2 in.)
  - Maximum Vertical Wall: 6.34 m (20 ft. 2 in.)
  - Working Ranges
    - A: Maximum Reach: 10.90 m (35 ft. 9 in.)
    - B: Maximum Reach at Ground Level: 10.64 m (34 ft. 11 in.)
    - C: Maximum Cutting Height: 11.41 m (37 ft. 5 in.)
    - D: Maximum Dumping Height: 8.38 m (27 ft. 6 in.)
    - E: Minimum Swing Radius: 3.40 m (11 ft. 2 in.)
    - F: Maximum Vertical Wall: 6.34 m (20 ft. 2 in.)
### Machine Dimensions

<table>
<thead>
<tr>
<th>Arm Length</th>
<th>3.11 m (10 ft. 2 in.)</th>
<th>3.76 m (12 ft. 4 in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Overall Length with Arm</td>
<td>9.96 m (32 ft. 8 in.)</td>
<td>10.02 m (32 ft. 10 in.)</td>
</tr>
<tr>
<td>B Overall Height with Arm</td>
<td>3.35 m (11 ft. 0 in.)</td>
<td>3.42 m (11 ft. 3 in.)</td>
</tr>
<tr>
<td>C Rear-End Length/Swing Radius</td>
<td>2.09 m (6 ft.10 in.)</td>
<td>2.09 m (6 ft. 10 in.)</td>
</tr>
<tr>
<td>D Distance Between Idler/Sprocket Centerline</td>
<td>4.05 m (13 ft. 3 in.)</td>
<td>4.05 m (13 ft. 3 in.)</td>
</tr>
<tr>
<td>E Undercarriage Length</td>
<td>4.94 m (16 ft. 2 in.)</td>
<td>4.94 m (16 ft. 2 in.)</td>
</tr>
<tr>
<td>F Counterweight Clearance</td>
<td>1.16 m (3 ft. 10 in.)</td>
<td>1.16 m (3 ft. 10 in.)</td>
</tr>
<tr>
<td>G Upperstructure Width</td>
<td>3.05 m (10 ft. 0 in.)</td>
<td>3.05 m (10 ft. 0 in.)</td>
</tr>
<tr>
<td>H Cab Height</td>
<td>3.23 m (10 ft. 7 in.)</td>
<td>3.23 m (10 ft. 7 in.)</td>
</tr>
<tr>
<td>I Track Width with Triple Semi-Grouser Shoes</td>
<td>800 mm (32 in.)</td>
<td>800 mm (32 in.)</td>
</tr>
<tr>
<td>J Gauge Width</td>
<td>2.59 m (8 ft. 6 in.)</td>
<td>2.59 m (8 ft. 6 in.)</td>
</tr>
<tr>
<td>K Ground Clearance</td>
<td>500 mm (20 in.)</td>
<td>500 mm (20 in.)</td>
</tr>
<tr>
<td>L Overall Width with 800-mm (32 in.) Triple Semi-Grouser Shoes</td>
<td>3.39 m (11 ft. 1 in.)</td>
<td>3.39 m (11 ft. 1 in.)</td>
</tr>
</tbody>
</table>

### Lift Capacities

**Boldface type** indicates hydraulically limited capacity; **lightface type** indicates stability-limited capacity, in kg (lb.). Ratings at bucket lift hook; machine equipped with 6.2-m (20 ft. 4 in.) standard boom; 1.25-m (1.63 cu. yd.), 957-kg (2,110 lb.) bucket; 800-mm (32 in.) triple semi-grouser 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. All lift capacities are based on ISO 10567 (with power boost).

#### Horizontal Distance from Centerline of Rotation

<table>
<thead>
<tr>
<th>LOAD POINT HEIGHT</th>
<th>1.5 m (5 ft.)</th>
<th>3.0 m (10 ft.)</th>
<th>4.5 m (15 ft.)</th>
<th>6.0 m (20 ft.)</th>
<th>7.5 m (25 ft.)</th>
<th>9.0 m (30 ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Over Front</td>
<td>Over Side</td>
<td>Over Front</td>
<td>Over Side</td>
<td>Over Front</td>
<td>Over Side</td>
</tr>
<tr>
<td>7.5 m (25 ft.)</td>
<td>7050 (15,300)</td>
<td>4850</td>
<td>7050 (15,300)</td>
<td>4850</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.0 m (20 ft.)</td>
<td></td>
<td>12,000</td>
<td>12,000</td>
<td>9250 (25,650)</td>
<td>9250 (25,650)</td>
<td>7950 (17,300)</td>
</tr>
<tr>
<td>4.5 m (15 ft.)</td>
<td></td>
<td>15,250</td>
<td>11,000</td>
<td>15,250</td>
<td>10,800</td>
<td>12,250</td>
</tr>
<tr>
<td>3.0 m (10 ft.)</td>
<td></td>
<td>14,200</td>
<td>14,200</td>
<td>14,200</td>
<td>10,700</td>
<td>14,200</td>
</tr>
<tr>
<td>1.5 m (5 ft.)</td>
<td></td>
<td>15,200</td>
<td>(25,850)</td>
<td>15,200</td>
<td>10,450</td>
<td>(23,100)</td>
</tr>
<tr>
<td>Ground Line</td>
<td>9950 (22,500)</td>
<td>(35,500)</td>
<td>9950 (22,500)</td>
<td>(35,500)</td>
<td>(26,400)</td>
<td>(14,500)</td>
</tr>
<tr>
<td>-1.5 m (-5 ft.)</td>
<td>16,350</td>
<td>(37,200)</td>
<td>16,350</td>
<td>(37,200)</td>
<td>14,500</td>
<td>(31,300)</td>
</tr>
<tr>
<td>-3.0 m (-10 ft.)</td>
<td>16,350</td>
<td>(37,200)</td>
<td>16,350</td>
<td>(37,200)</td>
<td>14,500</td>
<td>(31,300)</td>
</tr>
<tr>
<td>-4.5 m (-15 ft.)</td>
<td>14,300</td>
<td>(30,550)</td>
<td>14,300</td>
<td>(30,550)</td>
<td>10,850</td>
<td>(23,100)</td>
</tr>
</tbody>
</table>
Bucket Selection Guide*

**Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacity, in kg (lb.).** Ratings at bucket lift hook; machine equipped with 6.2-m (20 ft. 4 in.) standard boom; 1.25-m³ (163 cu. yd.) bucket; 957-kg (2,110 lb.) bucket; 800-mm (32 in.) triple semi-grouser 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. All lift capacities are based on ISO 10567 (with power boost).

### HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION

<table>
<thead>
<tr>
<th>LOAD POINT HEIGHT</th>
<th>1.5 m (5 ft.)</th>
<th>3.0 m (10 ft.)</th>
<th>4.5 m (15 ft.)</th>
<th>6.0 m (20 ft.)</th>
<th>7.5 m (25 ft.)</th>
<th>9.0 m (30 ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Over Front</td>
<td>Over Side</td>
<td>Over Front</td>
<td>Over Side</td>
<td>Over Front</td>
<td>Over Side</td>
</tr>
<tr>
<td>7.5 m (25 ft.)</td>
<td>6250 (13,650)</td>
<td>6250 (12,800)</td>
<td>5950 (11,100)</td>
<td>5650 (10,000)</td>
<td>3600 (8,350)</td>
<td>3600 (8,350)</td>
</tr>
<tr>
<td>6.0 m (20 ft.)</td>
<td>10050 (21,000)</td>
<td>10050 (18,150)</td>
<td>7950 (17,100)</td>
<td>7300 (15,750)</td>
<td>5200 (11,700)</td>
<td>5200 (11,700)</td>
</tr>
<tr>
<td>4.5 m (15 ft.)</td>
<td>13800 (29,650)</td>
<td>11750 (21,650)</td>
<td>10000 (16,100)</td>
<td>7450 (17,650)</td>
<td>5200 (11,150)</td>
<td>5200 (11,150)</td>
</tr>
<tr>
<td>3.0 m (10 ft.)</td>
<td>16400 (35,400)</td>
<td>11450 (23,750)</td>
<td>12250 (15,150)</td>
<td>8600 (18,900)</td>
<td>6450 (10,600)</td>
<td>6450 (10,600)</td>
</tr>
<tr>
<td>1.5 m (5 ft.)</td>
<td>19000 (39,250)</td>
<td>12456 (26,750)</td>
<td>12675 (18,460)</td>
<td>10250 (23,850)</td>
<td>6500 (13,350)</td>
<td>6500 (13,350)</td>
</tr>
<tr>
<td>Ground Line</td>
<td>21600 (43,750)</td>
<td>15000 (27,250)</td>
<td>14250 (19,800)</td>
<td>12900 (26,550)</td>
<td>7650 (16,850)</td>
<td>7650 (16,850)</td>
</tr>
</tbody>
</table>

**BUCKETS**

A full line of buckets is offered to meet a wide variety of applications. Digging forces are with power boost. Buckets are standard equipped with John Deere TK-Series bucket teeth. 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.

<table>
<thead>
<tr>
<th>Type Bucket</th>
<th>Bucket Width</th>
<th>Bucket Capacity</th>
<th>Bucket Weight</th>
<th>Bucket Dig Force</th>
<th>Arm Dig Force</th>
<th>Arm Dig Force</th>
<th>ISO Bucket Tip Radius</th>
<th>Number of Teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>m³</td>
<td>cu. yd.</td>
<td>kg</td>
<td>kn</td>
<td>lb.</td>
<td>mm</td>
<td></td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>94</td>
<td>0.9</td>
<td>1.23</td>
<td>1010</td>
<td>1897</td>
<td>42,653</td>
<td>144.1</td>
<td>125.1</td>
</tr>
<tr>
<td></td>
<td>1067</td>
<td>1.2</td>
<td>1.52</td>
<td>1147</td>
<td>2230</td>
<td>42,653</td>
<td>144.1</td>
<td>125.1</td>
</tr>
<tr>
<td></td>
<td>1219</td>
<td>1.4</td>
<td>1.81</td>
<td>1213</td>
<td>2675</td>
<td>42,653</td>
<td>144.1</td>
<td>125.1</td>
</tr>
<tr>
<td></td>
<td>1372</td>
<td>1.6</td>
<td>2.09</td>
<td>1328</td>
<td>2928</td>
<td>42,653</td>
<td>144.1</td>
<td>125.1</td>
</tr>
</tbody>
</table>

**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

#### 345G 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
- Full-flow oil filter
- Turbocharger with charge air cooler
- Cool-on-demand hydraulic-driven, suction-type fan with remote-mounted drive and enclosed fan guard
- 500-hour engine-oil-change interval
- 70% 135 deg.) off-level capability
- Engine-oil-sampling valve
- Severe-duty fuel filter

#### 345G Upperstructure
- Right-hand, left-hand, and counterweight mirrors
- Vandal locks with ignition key: Cab door / Service doors / Toolbox
- Debris screening
- Service handrails
- Remote-mounted engine oil and fuel filters

#### Front Attachments
- Centralized lubrication system
- Dirt seals on all bucket pins
- Oil-impregnated bushings
- Reinforced resin thrust plates
- Tungsten carbide thermal coating on arm-to-bucket joint
- Arm, 3.11 m (10 ft. 2 in.)
- Arm, 3.76 m (12 ft. 4 in.)
- Attachment quick-couplers
- Buckets: Heavy duty / Heavy-duty high capacity / Side cutters and teeth
- Material clamps

#### Operator's Station
- Adjustable independent-control positions [levers-to-seat, seat-to-peds]
- AM/FM radio
- Auto climate control/air conditioner/heater/pressurizer
- Built-in Operator's Manual storage compartment and manual
- Cell-phone power outlet, 12 volt, 60 watt, 5 amp
- Coat hook
- Deluxe suspension cloth seat with 100-mm (4 in.) adjustable armrests
- Floor mat
- Front windshield wiper with intermittent speeds
- Gauges (illuminated): Diesel Exhaust Fluid (DEF) / Engine coolant / Fuel
- Horn, electric
- Hour meter, electric
- Hydraulic shutoff lever, all controls
- Hydraulic warm-up control
- Interior light
- Large cup holder
- Seat belt, 76 mm (3 in.), retractable
- Motion alarm with cancel switch (conforms to SAE J994)
- Power-boost switch on right console lever
- SAE 2-lever control pattern
- Seat belt, 76 mm (3 in.), retractable
- Tinted glass
- Transparent tinted overhead hatch
- Hot/cold beverage compartment
- Air-suspension heated seat
- Motion alarm with cancel switch (conforms to SAE J994)
- Right-hand, left-hand, and counterweight mirrors
- Electronic engine control
- Enclosed fan guard (conforms to SAE J1308)
- Engine coolant to ~37 deg. C (~34 deg. F)
- Programmable auto shutdown
- Full-flow oil filter
- Turbocharger with charge air cooler
- Cool-on-demand hydraulic-driven, suction-type fan with remote-mounted drive and enclosed fan guard
- 500-hour engine-oil-change interval
- 70% 135 deg.) off-level capability
- Engine-oil-sampling valve
- Severe-duty fuel filter

#### 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, 800 mm (32 in.)

#### 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
- Auxiliary hydraulic lines with proportional control on right-hand pilot lever
- Hydraulic-oil-sampling valve
- Hydraulic filter restriction indicator kit
- Load-lowering control
- Single-pedal propel control
- Control pattern change valve

#### Electrical
- 50-amp alternator
- Blade-type multi-fused circuits
- Positive-terminal battery covers
- Battery-disconnect switch
- JDLink™ wireless communication system (available in specific countries; see your dealer for details)
- Rearview camera
- Left and right side-view cameras with additional monitor

#### Lights
- Work lights: 3 halogen (1 mounted on frame, 2 mounted on boom)
- 2 lights on front of cab / 1 rear cab light

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Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at test conditions specified per ISO 9249.

No derating is required up to 3050-m (10,000 ft.) altitude. Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on a unit with 1.25-m (42 in.), 1007-mm (42 in.), 973-kg (2,110 lb.) bucket; 3.76-m (12 ft. 4 in.) arm; 8680-kg (19,136 lb.) counterweight; 800-mm (32 in.) triple semi-grouser shoes, full fuel tank, and 79-kg (175 lb.) operator.

See your John Deere dealer for further information.