450K/550K/650K CRAWLER DOZERS
60–78 kW (80–104 hp)
We hear you loud and clear.

When customers sound off, we listen. So when participants of our Customer Advocate Group (CAG) asked us to turn down the noise and turn up productivity on our K-Series Dozers, we responded with a 450K that’s 16-percent more powerful than the previous model. Eco mode that regulates engine rpm and hydrostatic transmission to burn up to 20-percent less fuel in a wide range of applications. And Total Machine Control on the durable sealed-switch module for easy customization and reliable control of a variety of machine functions. There’s more to like in the K-Series.

<table>
<thead>
<tr>
<th>Specifications</th>
<th>450K</th>
<th>450K LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Power</td>
<td>60 kW (80 net hp)</td>
<td>60 kW (80 net hp)</td>
</tr>
<tr>
<td>Base Weight</td>
<td>7959 kg (17,510 lb.)</td>
<td>8522 kg (18,752 lb.)</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Specifications</th>
<th>550K</th>
<th>550K LGP</th>
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<tbody>
<tr>
<td>Rated Power</td>
<td>69 kW (92 net hp)</td>
<td>69 kW (92 net hp)</td>
</tr>
<tr>
<td>Base Weight</td>
<td>8981 kg (19,758 lb.)</td>
<td>9544 kg (21,000 lb.)</td>
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</table>

<table>
<thead>
<tr>
<th>Specifications</th>
<th>650K XLT</th>
<th>650K LGP</th>
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<tbody>
<tr>
<td>Rated Power</td>
<td>78 kW (104 net hp)</td>
<td>78 kW (104 net hp)</td>
</tr>
<tr>
<td>Base Weight</td>
<td>9691 kg (21,320 lb.)</td>
<td>10 156 kg (22,343 lb.)</td>
</tr>
</tbody>
</table>
Pushes envelopes, too.

Power turns. Counter-rotating tracks. Power management. Infinitely variable travel speeds. John Deere has been introducing productivity-boosting advantages on our crawler dozers for more than 35 years. And our 650K, 550K, and 450K are loaded with even more performance enhancements, including Eco mode and Total Machine Control (TMC).

Our EPA Final Tier 4 (FT4)/EU Stage IV diesels meet emission regulations without sacrificing power or torque. The 450K delivers 16-percent more horsepower along with a more impressive power-to-weight ratio, available torque, and drawbar pull than its J-Series counterpart.

Simply set maximum desired ground speed and the power-management system automatically maintains peak engine rpm and power efficiency without stalling or shifting.

Counter-rotation boosts productivity by enabling an operator to overcome heavy corner loads and quickly reposition the blade on the go. Provides space-saving spot turns, too.

Infinitely variable range to 11 km/h (6.8 mph) allows total flexibility to match ground speed to the load. Travel can also be varied to fit specific applications, terrain conditions, or operating preferences — and even limited to maximize undercarriage life.

1. TMC enables an operator to customize control of decelerator mode and response, forward/reverse ground speed, steering modulation, and forward/reverse speed ratios, and even record machine usage.

2. Eco mode maximizes fuel economy by up to 20 percent without sacrificing performance, automatically adjusting engine rpm and transmission settings based on load.

3. When you order your dozer with electrohydraulic (EH) controls, it’s grade-control ready. Our “open-architecture” design makes adding a grade-control system as easy as plugging in the components, calibrating, and going to work, whether your preference be Trimble, Leica, or a factory-installed Topcon 3D-MC² system.
With you on the jobsite.

K-Series Dozers quietly go about the business of making your operators more comfortably productive. Inside their roomy, well-appointed cabs, you can almost hear fatigue drop. You’ll discover everything your operators need to get more done in a 450K, 550K, or 650K.

Sealed-switch module (SSM) allows low-effort control of keyless start and enables exclusive features such as turbocharger cool-down, auto shutdown, and Eco mode. Touchpad security system requires a numeric pass code (when activated) to help prevent unauthorized machine operation.

Generous hydraulic flow and precise metering deliver powerful and quick blade response, while providing the natural “feel” that makes the most of an operator’s grading ability.

At just 75 dBA, the cab is noticeably quiet. Spacious and comfortable, too.

1. Opt for the 360-deg. lighting package to extend your workday beyond daylight.

2. Cab-forward design allows a commanding view behind, below, and beyond the blade. Side and rear visibility is virtually unobstructed.

3. Optional electrohydraulic (EH) controls significantly improve blade response, including increased hydraulic motor capacity on the 450K that enables 50-percent greater blade-raise performance. Blade Vibrate feature for Power-Angle-Tilt (PAT) blades automatically shakes off dirt at the touch of a button.
Nothing runs like a Deere, because nothing is built like it.

Designed and built with state-of-the-art tools and techniques by a quality-conscious workforce at our facility in Dubuque, Iowa, K-Series Dozers are loaded with uptime-boosting features. When you know how they’re built, you’ll run a Deere.

Eco mode automatically adjusts engine rpm and hydrostatic (HST) transmission settings based on load while maintaining ground speed, to help optimize fuel economy as much as 20 percent.

Transmission temperature is constantly monitored to protect the HST system. If temps get too hot or too cold, a warning light illuminates, and transmission and engine speed are automatically derated to prevent damage.

1. Heavy-duty sealed and lubricated undercarriage is built without compromise to keep these machines in the field. Available Maximum Life Undercarriage delivers up to twice the bushing life, for extra durability in extremely abrasive conditions. To further reduce maintenance and operating costs, contact your John Deere dealer about our undercarriage wear-assurance programs.

2. Direct-drive fan on the 450K and 550K provides efficient cooling, contains noise, and conserves precious fuel. Variable-speed fan on the 650K includes an optional reversing feature that runs only as needed.

3. Exclusive turbo cool-down increases durability by allowing the engine to idle momentarily prior to shutting down. Auto shutdown turns the engine off after an operator-determined period of machine inactivity, saving fuel and warranty hours.
Declare open season on operating costs.

We’re pretty open-minded when it comes to keeping uptime up and daily operating costs down. With our K-Series Dozers, you’ll spend less effort and expense getting ready for work — and more time getting work done.

1. Exhaust filter operation and status are indicated with icons and on-screen displays. Diagnostic monitor also provides easy-to-understand messages that help speed troubleshooting.

2. Available quick fluid-evacuation system helps speed servicing. 500-hour engine oil and 2,000-hour transmission and hydraulic fluid intervals decrease maintenance downtime and expense.

3. Auto-idle decreases engine speed when the dozer is not moving, to help maintain quiet working conditions and conserve precious fuel. Operators can program auto-idle to activate in increments from as soon as five sec. up to 15 min.

Serviceability improvements on the 550K and 650K include composite fuel tank, redesigned diagnostic lines with pressure sensors, and John Deere transmission control unit software.
John Deere WorkSight™ is an exclusive suite of telematics solutions that increases uptime while lowering operating costs. At its heart, JDLink™ 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 and record performance data without a trip to the jobsite.

John Deere 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.

Ash-service intervals for the diesel particulate filter (DPF) are condition based, meaning the machine will notify the operator before service is required. Typically, ash service is not necessary until the first engine overhaul. Machine application, regular maintenance practices, and type of lubricating oil impact ash-service intervals.
### Engine
- **Model:** 450K / 450K LGP
- **Blade Type:** Power-Angle-Tilt (PAT)
- **Manufacturer and Model:** John Deere PowerTech™ PWS 4045
- **Non-Road Emission Standard:** EPA Final Tier 4/EU Stage IV
- **Displacement:** 4.5L (276 cu. in.)
- **SAE Net Rated Power:** 60 kW (80 hp) at 2,200 rpm
- **Net Peak Torque:** 354 Nm (261 ft.-lb.) at 1,400 rpm
- **Aspiration:** Turbocharged with charge-air cooler
- **Air Cleaner:** Dual-stage dry tube with tangential unloader

### Cooling
- **Type:** Blower-type, direct-drive cooling fan
- **Engine Coolant Rating:** –37 deg. C. (–34 deg. F)
- **Engine Radiator:** 8.47 fins per in.

### Powertrain
- **Transmission:** Automatic, dual-path, hydrostatic (HST) drive; load-sensing feature automatically adjusts speed and power to match changing load conditions; each individually controlled track is powered by a variable-displacement piston pump and variable-displacement motor combination; ground-speed selection buttons on single-lever steering and direction control; independently selectable reverse speed ratios of 100%, 115%, or 130% of forward ground speed; deaccelerator pedal controls ground speed to stop

### Drawbar Pull
- **Maximum:**
  - 1.9 km/h (1.2 mph) 80 kN (17,900 lb.)
  - 3.2 km/h (2.0 mph) 48 kN (10,900 lb.)

### Brakes
- **Service:** HST (dynamic) braking stops the machine when the direction/steering control lever is moved to neutral or the deaccelerator is depressed to the detent
- **Parking:** Exclusive spring-applied, hydraulically released park-brake feature engages wet, multiple-disc brakes automatically whenever the engine stops, the operator depresses the deaccelerator pedal to the brake position, the unit is in neutral for 3 seconds (with detected motion), or the park-lock lever is in the park position; machine cannot be driven with brake applied, minimizing wearout or need for adjustment

### Hydraulics
- **Type:** Open-center hydraulic system with fixed-displacement gear pump
- **Pump Displacement:** 36.4 cc
- **System Relief Pressure:** 34 887 kPa (5,060 psi)
- **Maximum Flow at Unloaded High Idle:** 80 L/m (21 gpm)
- **Control:** 3-function direct-acting T-bar joystick with push-button angle function
### Electrical

<table>
<thead>
<tr>
<th><strong>Blade Type</strong></th>
<th><strong>450K / 450K LGP</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Voltage</strong></td>
<td>24 volts</td>
</tr>
<tr>
<td><strong>Capacity</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Battery</strong></td>
<td>950 CCA</td>
</tr>
<tr>
<td><strong>Reserve</strong></td>
<td>190 min.</td>
</tr>
<tr>
<td><strong>Alternator Rating</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Cab</strong></td>
<td>100 amp</td>
</tr>
<tr>
<td><strong>Canopy</strong></td>
<td>100 amp</td>
</tr>
<tr>
<td><strong>Lights</strong></td>
<td>Grille mounted (2), rear mounted (2), and rear reflectors (2)</td>
</tr>
</tbody>
</table>

### Undercarriage

<table>
<thead>
<tr>
<th><strong>Blade Type</strong></th>
<th><strong>450K / 450K LGP</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Track</strong></td>
<td>John Deere DuraTrax™ features large deep-heat-treated components; pins and bushings are sealed for life; rollers and idlers are permanently sealed and lubricated; full-length track-frame covers reduce material buildup and ease cleaning</td>
</tr>
<tr>
<td><strong>Track Length on Ground</strong></td>
<td>2184 mm (86 in.)</td>
</tr>
<tr>
<td><strong>Ground Contact Area</strong></td>
<td>17 755 cm² (2,752 sq. in.)</td>
</tr>
<tr>
<td><strong>Ground Pressure</strong></td>
<td>43.9 kPa (6.4 psi)</td>
</tr>
<tr>
<td><strong>Track Pitch</strong></td>
<td>160 mm (6.3 in.) standard / 171 mm (6.7 in.) Maximum Life</td>
</tr>
</tbody>
</table>

### Operator Station

**ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005)**

### Serviceability

### Refill Capacities

| **Fuel Tank with Lockable Cap** | 202 L (53.45 gal.) |
| **Diesel Exhaust Fluid (DEF) Tank** | 11.8 L (3.1 gal.) |
| **Cooling System with Recovery Tank** | 21.1 L (5.6 gal.) |
| **Engine Oil with Filter** | 19 L (20 qt.) |
| **Hydraulic/HST Oil (common reservoir) with Filters** | 100 L (26.4 gal.) |
| **Final Drive (per tractor)** | 17 L (4.6 gal.) |

### Operating Weights

<table>
<thead>
<tr>
<th><strong>Blade Type</strong></th>
<th><strong>450K / 450K LGP</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Base Weight (with standard equipment, rollover protective structure [ROPS], full fuel tank, and 79-kg [175 lb.] operator)</strong></td>
<td>7959 kg (17,510 lb.)</td>
</tr>
<tr>
<td><strong>Cab with Pressurizer and Heater/Air Conditioner</strong></td>
<td>306 kg (675 lb.)</td>
</tr>
<tr>
<td><strong>Heater</strong></td>
<td>12 kg (26 lb.)</td>
</tr>
<tr>
<td><strong>Front and Door Screens</strong></td>
<td>81 kg (179 lb.)</td>
</tr>
<tr>
<td><strong>Rear Screen</strong></td>
<td>34 kg (76 lb.)</td>
</tr>
<tr>
<td><strong>Side Screens</strong></td>
<td>43 kg (94 lb.)</td>
</tr>
<tr>
<td><strong>Limb Risers (ROPS canopy and cab)</strong></td>
<td>95 kg (209 lb.)</td>
</tr>
<tr>
<td><strong>Counterweight</strong></td>
<td>95 kg (209 lb.)</td>
</tr>
<tr>
<td><strong>Front</strong></td>
<td>109 kg (240 lb.)</td>
</tr>
<tr>
<td><strong>Rear</strong></td>
<td>150 kg (330 lb.)</td>
</tr>
<tr>
<td><strong>Retrieval Hitch</strong></td>
<td>23 kg (50 lb.)</td>
</tr>
<tr>
<td><strong>Drawbar, Extended Rigid</strong></td>
<td>33 kg (72 lb.)</td>
</tr>
<tr>
<td><strong>Winch</strong></td>
<td>652 kg (1,437 lb.)</td>
</tr>
<tr>
<td><strong>Fairlead, 4 Roller</strong></td>
<td>85 kg (187 lb.)</td>
</tr>
<tr>
<td><strong>Full-Length Rock Guards</strong></td>
<td>117 kg (257 lb.)</td>
</tr>
<tr>
<td><strong>Maximum Life Undercarriage</strong></td>
<td>88 kg (193 lb.)</td>
</tr>
<tr>
<td><strong>Track Shoes</strong></td>
<td>406 mm (16 in.)</td>
</tr>
<tr>
<td><strong>610 mm (24 in.)</strong></td>
<td>—</td>
</tr>
</tbody>
</table>

### Optional Components

<table>
<thead>
<tr>
<th><strong>Blade Type</strong></th>
<th><strong>450K / 450K LGP</strong></th>
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<tbody>
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<tr>
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</tr>
<tr>
<td><strong>Track Shoes</strong></td>
<td>406 mm (16 in.)</td>
</tr>
<tr>
<td><strong>610 mm (24 in.)</strong></td>
<td>—</td>
</tr>
</tbody>
</table>
### Machine Dimensions

**450K / 450K LGP**

<table>
<thead>
<tr>
<th>A</th>
<th>Overall Height to Roof</th>
<th>2799 mm (9 ft. 2 in.)</th>
</tr>
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<tbody>
<tr>
<td>B</td>
<td>Tread Depth with Single-Bar Grouser</td>
<td>49 mm (1.9 in.)</td>
</tr>
<tr>
<td>C</td>
<td>Ground Clearance in Dirt</td>
<td>329 mm (13 in.)</td>
</tr>
<tr>
<td>D</td>
<td>Overall Length</td>
<td>4016 mm (13 ft. 2 in.)</td>
</tr>
<tr>
<td>E</td>
<td>Blade Lift Height</td>
<td>772 mm (30.4 in.)</td>
</tr>
<tr>
<td>F</td>
<td>Blade Digging Depth</td>
<td>528 mm (20.8 in.)</td>
</tr>
<tr>
<td>G</td>
<td>Blade Cutting-Edge Angle, Adjustable</td>
<td>52 to 60 deg.</td>
</tr>
</tbody>
</table>

#### Machine Dimensions (continued)

**450K / 450K LGP WITH POWER-ANGLE-TILT (PAT) BLADE**

<table>
<thead>
<tr>
<th>Blade Type</th>
<th>PAT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Straight</strong></td>
<td></td>
</tr>
<tr>
<td>H Blade Width</td>
<td>2464 mm (97 in.) (8 ft. 1 in.)</td>
</tr>
<tr>
<td>I Blade Height</td>
<td>955 mm (3 ft. 2 in.)</td>
</tr>
<tr>
<td>SAE Capacity</td>
<td>1.6 m³ (2.1 cu. yd.)</td>
</tr>
<tr>
<td>Weight</td>
<td>494 kg (1,090 lb.)</td>
</tr>
<tr>
<td>C-Frame Assembly Weight (without blade)</td>
<td>330 kg (727 lb.)</td>
</tr>
<tr>
<td>J Blade Angle</td>
<td>25.4 deg.</td>
</tr>
<tr>
<td>K Overall Width with Blade Angled</td>
<td>2225 mm (7 ft. 4 in.)</td>
</tr>
<tr>
<td>L Blade Tilt (uses tilt jack)</td>
<td>338 mm (13.3 in.)</td>
</tr>
<tr>
<td>M Cut Reach</td>
<td>56 mm (2.2 in.)</td>
</tr>
<tr>
<td>N Width Over Track</td>
<td>1854 mm (6 ft. 1 in.)</td>
</tr>
<tr>
<td>O Cast Reach</td>
<td>318 mm (12.5 in.)</td>
</tr>
<tr>
<td><strong>Straight (option)</strong></td>
<td></td>
</tr>
<tr>
<td>H Blade Width</td>
<td>2921 mm (115 in.) (9 ft. 7 in.)</td>
</tr>
<tr>
<td>I Blade Height</td>
<td>955 mm (3 ft. 2 in.)</td>
</tr>
<tr>
<td>SAE Capacity</td>
<td>2.0 m³ (2.6 cu. yd.)</td>
</tr>
<tr>
<td>Weight</td>
<td>628 kg (1,385 lb.)</td>
</tr>
<tr>
<td>C-Frame Assembly Weight (without blade)</td>
<td>330 kg (727 lb.)</td>
</tr>
<tr>
<td>J Blade Angle</td>
<td>25.4 deg.</td>
</tr>
<tr>
<td>K Overall Width with Blade Angled</td>
<td>2639 mm (8 ft. 8 in.)</td>
</tr>
<tr>
<td>L Blade Tilt (uses tilt jack)</td>
<td>399 mm (15.7 in.)</td>
</tr>
<tr>
<td>M Cut Reach</td>
<td>58.4 mm (2.2 in.)</td>
</tr>
<tr>
<td>N Width Over Track</td>
<td>2261 mm (7 ft. 5 in.)</td>
</tr>
<tr>
<td>O Cast Reach</td>
<td>320 mm (12.6 in.)</td>
</tr>
</tbody>
</table>
### Machine Dimensions (continued) 450K / 450K LGP

![Diagram of machine dimensions](image)

#### Rear Ripper 450K / 450K LGP

<table>
<thead>
<tr>
<th>Blade Type</th>
<th>PAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>981 kg (2,163 lb.)</td>
</tr>
<tr>
<td>Maximum Penetration</td>
<td>508 mm (20 in.)</td>
</tr>
<tr>
<td>Maximum Clearance Under Tip</td>
<td>508 mm (20 in.)</td>
</tr>
<tr>
<td>Overall Length, Lowered Position</td>
<td>1450 mm (57 in.) (4 ft. 9 in.)</td>
</tr>
<tr>
<td>Overall Length, Raised Position</td>
<td>1015 mm (40 in.) (3 ft. 4 in.)</td>
</tr>
<tr>
<td>Overall Beam Width</td>
<td>1830 mm (6 ft. 0 in.)</td>
</tr>
<tr>
<td>Slope Angle (full raise)</td>
<td>40 deg.</td>
</tr>
<tr>
<td>Ripping Width</td>
<td>1670 mm (5 ft. 6 in.)</td>
</tr>
<tr>
<td>Distance Between Shanks</td>
<td>806 mm (32 in.)</td>
</tr>
</tbody>
</table>
**Engine**

** Blade Type**
Power-Angle-Tilt (PAT)

**Manufacturer and Model**
John Deere PowerTech™ PWS 4045

**Non-Road Emission Standard**
EPA Final Tier 4/EU Stage IV

**Displacement**
4.5L (276 cu. in.)

**SAE Net Rated Power**
69 kW (92 hp) at 2,200 rpm

**Net Peak Torque**
420 Nm (310 ft.-lb.) at 1,400 rpm

**Aspiration**
Turbocharged with charge-air cooler

**Air Cleaner**
Dual-stage dry tube with tangential unloader

**Cooling**

**Type**
Blower-type, direct-drive cooling fan

**Engine Coolant Rating**
–37 deg. C. (~34 deg. F)

**Engine Radiator**
8.47 fins per in.

**Powertrain**

**Transmission**
Automatic, dual-path, hydrostatic (HST) drive; load-sensing feature automatically adjusts speed and power to match changing load conditions; each individually controlled track is powered by a variable-displacement piston pump and variable-displacement motor combination; ground-speed selection buttons on single-lever steering and direction control; independently selectable reverse speed ratios of 100%, 115%, or 130% of forward ground speed; deaccelerator pedal controls ground speed to stop

**System Relief Pressure**
38,741 kPa (5,619 psi)

**Travel Speeds**

**Forward and Reverse**
8.0 km/h (5.0 mph)

**Maximum (optional)**
9.7 km/h (6.0 mph)

**Steering**
Single-lever steering, direction control, and counter-rotation; full power turns and infinitely variable track speeds provide unlimited maneuverability and optimum control; HST steering eliminates steering clutches and brakes

**Final Drives**
Triple-reduction final drives mounted independently of track frames and dozer push frames for isolation from shock loads

**Total Ratio**
48.4 to 1

**Drawbar Pull**

**Maximum**
134 kN (30,000 lb.)

At 1.9 km/h (1.2 mph) 94 kN (21,100 lb.)

At 3.2 km/h (2.0 mph) 58 kN (13,100 lb.)

**Brakes**

**Service**
HST (dynamic) braking stops the machine when the direction/steering control lever is moved to neutral or the deaccelerator is depressed to the detent

**Parking**
Exclusive spring-applied, hydraulically released park-brake feature engages wet, multiple-disc brakes automatically whenever the engine stops, the operator depresses the deaccelerator pedal to the brake position, the unit is in neutral for 3 seconds (with detected motion), or the park-lock lever is in the park position; machine cannot be driven with brake applied, minimizing wearout or need for adjustment

**Hydraulics**

**Type**
Open-center hydraulic system with fixed-displacement gear pump

**Pump Displacement**
36.4 cc

**System Relief Pressure**
20,684 kPa (3,000 psi)

**Maximum Flow at Unloaded High Idle**
80 L/m (21 gpm)

**Control**
3-function direct-acting T-bar joystick with push-button angle function
### Electrical

<table>
<thead>
<tr>
<th>Feature</th>
<th>550K / 550K LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Blade Type</strong></td>
<td>PAT</td>
</tr>
<tr>
<td><strong>Voltage</strong></td>
<td>24 volts</td>
</tr>
<tr>
<td><strong>Capacity</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Battery</strong></td>
<td>950 CCA</td>
</tr>
<tr>
<td><strong>Reserve</strong></td>
<td>190 min.</td>
</tr>
<tr>
<td><strong>Alternator Rating</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Cab</strong></td>
<td>100 amp</td>
</tr>
<tr>
<td><strong>Canopy</strong></td>
<td>100 amp</td>
</tr>
<tr>
<td><strong>Lights</strong></td>
<td>Grille mounted (2), rear mounted (2), and rear reflectors (2)</td>
</tr>
</tbody>
</table>

### Undercarriage

<table>
<thead>
<tr>
<th>Feature</th>
<th>550K / 550K LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Blade Type</strong></td>
<td>PAT</td>
</tr>
<tr>
<td><strong>Tracks</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Track Gauge</strong></td>
<td>1549 mm (61 in.)</td>
</tr>
<tr>
<td><strong>Grouser Width</strong></td>
<td>457 mm (18 in.)</td>
</tr>
<tr>
<td><strong>Chain</strong></td>
<td>Sealed and lubricated</td>
</tr>
<tr>
<td><strong>Shoes, Each Side</strong></td>
<td>40 standard and Extended Life / 37 Maximum Life</td>
</tr>
<tr>
<td><strong>Track Rollers, Each Side</strong></td>
<td>6</td>
</tr>
<tr>
<td><strong>Track Length on Ground</strong></td>
<td>2184 mm (86 in.)</td>
</tr>
<tr>
<td><strong>Ground Contact Area</strong></td>
<td>19 974 cm² (3,096 sq. in.)</td>
</tr>
<tr>
<td><strong>Ground Pressure</strong></td>
<td>44.1 kPa (6.4 psi)</td>
</tr>
<tr>
<td><strong>Track Pitch</strong></td>
<td>160 mm (6.3 in.) standard and Extended Life / 171 mm (6.7 in.) Maximum Life</td>
</tr>
</tbody>
</table>

### Operator Station

<table>
<thead>
<tr>
<th>Feature</th>
<th>550K / 550K LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Blade Type</strong></td>
<td>PAT</td>
</tr>
<tr>
<td><strong>Base Weight (with standard equipment, rollover protective structure [ROPS], full fuel tank, and 79-kg [175 lb.] operator)</strong></td>
<td>8981 kg (19,758 lb.)</td>
</tr>
<tr>
<td><strong>Optional Components</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Cab with Pressurizer and Heater/Air Conditioner</strong></td>
<td>306 kg (675 lb.)</td>
</tr>
<tr>
<td><strong>Heater</strong></td>
<td>39 kg (85 lb.)</td>
</tr>
<tr>
<td><strong>Front and Door Screens</strong></td>
<td>81 kg (179 lb.)</td>
</tr>
<tr>
<td><strong>Rear Screen</strong></td>
<td>34 kg (76 lb.)</td>
</tr>
<tr>
<td><strong>Side Screens</strong></td>
<td>43 kg (94 lb.)</td>
</tr>
<tr>
<td><strong>Limb Risers (ROPS canopy and cab)</strong></td>
<td>95 kg (209 lb.)</td>
</tr>
<tr>
<td><strong>Counterweight</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Front</strong></td>
<td>109 kg (240 lb.)</td>
</tr>
<tr>
<td><strong>Rear</strong></td>
<td>150 kg (330 lb.)</td>
</tr>
<tr>
<td><strong>Retrieval Hitch</strong></td>
<td>23 kg (50 lb.)</td>
</tr>
<tr>
<td><strong>Drawbar, Extended Rigid</strong></td>
<td>33 kg (72 lb.)</td>
</tr>
<tr>
<td><strong>Winch</strong></td>
<td>652 kg (1,437 lb.)</td>
</tr>
<tr>
<td><strong>Fairlead, 4 Roller</strong></td>
<td>85 kg (187 lb.)</td>
</tr>
<tr>
<td><strong>Full-Length Rock Guards</strong></td>
<td>128 kg (282 lb.)</td>
</tr>
<tr>
<td><strong>Maximum Life Undercarriage</strong></td>
<td>258 kg (569 lb.)</td>
</tr>
<tr>
<td><strong>Track Shoes</strong></td>
<td></td>
</tr>
<tr>
<td><strong>457 mm (18 in.)</strong></td>
<td>In base</td>
</tr>
<tr>
<td><strong>610 mm (24 in.)</strong></td>
<td>In base</td>
</tr>
</tbody>
</table>
### Machine Dimensions

**550K / 550K LGP**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>550K</th>
<th>550K LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Height to Roof</td>
<td>2799 mm (9 ft. 2 in.)</td>
<td></td>
</tr>
<tr>
<td>Tread Depth with Single-Bar Grouser</td>
<td>49 mm (1.9 in.)</td>
<td></td>
</tr>
<tr>
<td>Ground Clearance in Dirt</td>
<td>329 mm (13 in.)</td>
<td></td>
</tr>
<tr>
<td>Overall Length</td>
<td>4016 mm (13 ft. 2 in.)</td>
<td></td>
</tr>
<tr>
<td>Blade Lift Height</td>
<td>772 mm (30.4 in.)</td>
<td></td>
</tr>
<tr>
<td>Blade Digging Depth</td>
<td>523 mm (20.6 in.)</td>
<td></td>
</tr>
<tr>
<td>Blade Cutting-Edge Angle, Adjustable</td>
<td>52 to 60 deg.</td>
<td></td>
</tr>
</tbody>
</table>

---

**Machine Dimensions (continued)**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>550K</th>
<th>550K LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blade Width (PAT)</td>
<td>2667 mm (105 in.)</td>
<td>2921 mm (115 in.)</td>
</tr>
<tr>
<td>Blade Height (PAT)</td>
<td>955 mm (3 ft. 2 in.)</td>
<td>955 mm (3 ft. 2 in.)</td>
</tr>
<tr>
<td>SAE Capacity (PAT)</td>
<td>2.0 m³ (2.6 cu. yd.)</td>
<td></td>
</tr>
<tr>
<td>Weight (PAT)</td>
<td>603 kg (1,330 lb.)</td>
<td>628 kg (1,385 lb.)</td>
</tr>
<tr>
<td>C-Frame Assembly Weight (without blade)</td>
<td>399 kg (879 lb.)</td>
<td>399 kg (879 lb.)</td>
</tr>
<tr>
<td>Blade Angle (PAT)</td>
<td>22.2 deg.</td>
<td>22.2 deg.</td>
</tr>
<tr>
<td>Overall Width with Blade Angled (PAT)</td>
<td>2469 mm (8 ft. 1 in.)</td>
<td>2705 mm (8 ft. 11 in.)</td>
</tr>
<tr>
<td>Blade Tilt (uses tilt jack) (PAT)</td>
<td>399 mm (15.7 in.)</td>
<td></td>
</tr>
<tr>
<td>Cut Reach (PAT)</td>
<td>117 mm (4.6 in.)</td>
<td>56 mm (2.2 in.)</td>
</tr>
<tr>
<td>Width Over Track (PAT)</td>
<td>2007 mm (6 ft. 7 in.)</td>
<td>2362 mm (7 ft. 9 in.)</td>
</tr>
<tr>
<td>Cast Reach (PAT)</td>
<td>345 mm (13.3 in.)</td>
<td>287 mm (11.0 in.)</td>
</tr>
</tbody>
</table>

**Straight (option)**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>550K</th>
<th>550K LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blade Width (straight)</td>
<td>2921 mm (115 in.)</td>
<td>3150 mm (10 ft. 4 in.)</td>
</tr>
<tr>
<td>Blade Height (straight)</td>
<td>955 mm (3 ft. 2 in.)</td>
<td>894 mm (35 in.)</td>
</tr>
<tr>
<td>SAE Capacity (straight)</td>
<td>2.0 m³ (2.6 cu. yd.)</td>
<td>1.9 m³ (2.5 cu. yd.)</td>
</tr>
<tr>
<td>Weight (straight)</td>
<td>628 kg (1,385 lb.)</td>
<td>631 kg (1,391 lb.)</td>
</tr>
<tr>
<td>C-Frame Assembly Weight (without blade) (straight)</td>
<td>399 kg (879 lb.)</td>
<td>399 kg (879 lb.)</td>
</tr>
<tr>
<td>Blade Angle (straight)</td>
<td>22.2 deg.</td>
<td>22.2 deg.</td>
</tr>
<tr>
<td>Overall Width with Blade Angled (straight)</td>
<td>2705 mm (8 ft. 11 in.)</td>
<td>2916 mm (9 ft. 7 in.)</td>
</tr>
<tr>
<td>Blade Tilt (uses tilt jack) (straight)</td>
<td>399 mm (15.7 in.)</td>
<td>429 mm (16.9 in.)</td>
</tr>
<tr>
<td>Cut Reach (straight)</td>
<td>234 mm (9.2 in.)</td>
<td>163 mm (6.4 in.)</td>
</tr>
<tr>
<td>Width Over Track (straight)</td>
<td>2007 mm (6 ft. 7 in.)</td>
<td>2464 mm (8 ft. 1 in.)</td>
</tr>
<tr>
<td>Cast Reach (straight)</td>
<td>465 mm (18.3 in.)</td>
<td>391 mm (15.4 in.)</td>
</tr>
</tbody>
</table>
Machine Dimensions (continued) 550K / 550K LGP

Rear Ripper 550K / 550K LGP

<table>
<thead>
<tr>
<th>Blade Type</th>
<th>PAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>981 kg (2,163 lb.)</td>
</tr>
<tr>
<td>Maximum Penetration</td>
<td>508 mm (20 in.)</td>
</tr>
<tr>
<td>Maximum Clearance Under Tip</td>
<td>508 mm (20 in.)</td>
</tr>
<tr>
<td>Overall Length, Lowered Position</td>
<td>1450 mm (57 in.) (4 ft. 9 in.)</td>
</tr>
<tr>
<td>Overall Length, Raised Position</td>
<td>1015 mm (40 in.) (3 ft. 4 in.)</td>
</tr>
<tr>
<td>Overall Beam Width</td>
<td>1830 mm (6 ft. 0 in.)</td>
</tr>
<tr>
<td>Slope Angle (full raise)</td>
<td>40 deg.</td>
</tr>
<tr>
<td>Ripping Width</td>
<td>1670 mm (5 ft. 6 in.)</td>
</tr>
<tr>
<td>Distance Between Shanks</td>
<td>806 mm (32 in.)</td>
</tr>
</tbody>
</table>
**Engine**  
| 650K XLT / 650K LGP |
|---|---|
| **Blade Type** | Power-Angle-Tilt (PAT) |
| **Manufacturer and Model** | John Deere PowerTech™ PWS 4045 |
| **Non-Road Emission Standard** | EPA Final Tier 4/EU Stage IV |
| **Displacement** | 4.5L (276 cu. in.) |
| **SAE Net Rated Power** | 78 kW (104 hp) at 2,200 rpm |
| **Net Peak Torque** | 475 Nm (350 ft.-lb.) at 1,400 rpm |
| **Aspiration** | Turbocharged with charge-air cooler |
| **Air Cleaner** | Dual-stage dry tube with tangential unloader |

**Cooling**

| Type | Variable-speed suction fan with optional reversing feature |
| Engine Coolant Rating | –37 deg. C. (–34 deg. F) |
| Engine Radiator | 10 fins per in. |

**Powertrain**

| **Transmission** | Automatic, dual-path, hydrostatic (HST) drive; load-sensing feature automatically adjusts speed and power to match changing load conditions; each individually controlled track is powered by a variable-displacement piston pump and variable-displacement motor combination; ground-speed selection buttons on single-lever steering and direction control; independently selectable reverse speed ratios of 100%, 115%, or 130% of forward ground speed; decelerator pedal controls ground speed to stop |
| System Relief Pressure | 42 692 kPa (6,192 psi) |
| Travel Speeds |  
| Forward and Reverse | 8.0 km/h (5.0 mph) |
| Maximum (optional) | 9.7 km/h (6.0 mph) |
| **Steering** | Single-lever steering, direction control, and counter-rotation; full power turns and infinitely variable track speeds provide unlimited maneuverability and optimum control; HST steering eliminates steering clutches and brakes |
| Final Drives | Triple-reduction final drives mounted independently of track frames and dozer push frames for isolation from shock loads |
| Total Ratio | 52.13 to 1 |

**Drawbar Pull**

| Maximum | 148 kN (33,600 lb.) |
| At 1.9 km/h (1.2 mph) | 108 kN (24,200 lb.) |
| At 3.2 km/h (2.0 mph) | 69 kN (15,600 lb.) |

**Brakes**

| Service | HST (dynamic) braking stops the machine when the direction/steering control lever is moved to neutral or the decelerator is depressed to the detent |
| Parking | Exclusive spring-applied, hydraulically released park-brake feature engages wet, multiple-disc brakes automatically whenever the engine stops, the operator depresses the decelerator pedal to the brake position, the unit is in neutral for 3 seconds (with detected motion), or the park-lock lever is in the park position; machine cannot be driven with brake applied, minimizing wearout or need for adjustment |

**Hydraulics**

| Type | Open-center hydraulic system with fixed-displacement gear pump |
| Pump Displacement | 36.4 cc |
| System Relief Pressure | 20 684 kPa (3,000 psi) |
| Maximum Flow at Unloaded High Idle | 80 L/m (21 gpm) |
| Control | 3-function direct-acting T-bar joystick with push-button angle function |
**Electrical**

<table>
<thead>
<tr>
<th>Type</th>
<th>650K XLT / 650K LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blade Type</td>
<td>PAT</td>
</tr>
<tr>
<td>Voltage</td>
<td>24 volts</td>
</tr>
<tr>
<td>Capacity</td>
<td></td>
</tr>
<tr>
<td>Battery</td>
<td>950 CCA</td>
</tr>
<tr>
<td>Reserve</td>
<td>190 min.</td>
</tr>
<tr>
<td>Alternator Rating</td>
<td>100 amp</td>
</tr>
<tr>
<td>Canopy</td>
<td>100 amp</td>
</tr>
<tr>
<td>Lights</td>
<td>Grille mounted (2), rear mounted (2), and rear reflectors (2)</td>
</tr>
</tbody>
</table>

**Undercarriage**

<table>
<thead>
<tr>
<th>Type</th>
<th>650K XLT / 650K LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blade Type</td>
<td>PAT</td>
</tr>
<tr>
<td>Tracks</td>
<td>John Deere DuraTrax™ features large deep-heat-treated components; pins and bushings are sealed for life; rollers and idlers are permanently sealed and lubricated; full-length track-frame covers reduce material buildup and ease cleaning</td>
</tr>
<tr>
<td>Track Gauge</td>
<td>1550 mm (61 in.)</td>
</tr>
<tr>
<td>Grouser Width</td>
<td>457 mm (18 in.)</td>
</tr>
<tr>
<td>Chain</td>
<td>Sealed and lubricated</td>
</tr>
<tr>
<td>Shoes, Each Side</td>
<td>40</td>
</tr>
<tr>
<td>Track Rollers, Each Side</td>
<td>7</td>
</tr>
<tr>
<td>Track Length on Ground</td>
<td>2349 mm (92 in.)</td>
</tr>
<tr>
<td>Ground Contact Area</td>
<td>21 479 cm² (3,329 sq. in.)</td>
</tr>
<tr>
<td>Ground Pressure</td>
<td>44.1 kPa (6.4 psi)</td>
</tr>
<tr>
<td>Track Pitch</td>
<td>171 mm (6.7 in.)</td>
</tr>
</tbody>
</table>

**Operator Station**

<table>
<thead>
<tr>
<th>Type</th>
<th>650K XLT / 650K LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005)</td>
<td></td>
</tr>
</tbody>
</table>

**Serviceability**

<table>
<thead>
<tr>
<th>Refill Capacities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Tank with Lockable Cap</td>
</tr>
<tr>
<td>Diesel Exhaust Fluid [DEF] Tank</td>
</tr>
<tr>
<td>Cooling System with Recovery Tank</td>
</tr>
<tr>
<td>Engine Oil with Filter</td>
</tr>
<tr>
<td>Hydraulic/HST Oil [common reservoir] with Filters</td>
</tr>
<tr>
<td>Final Drive [per tractor]</td>
</tr>
</tbody>
</table>

**Operating Weights**

<table>
<thead>
<tr>
<th>Type</th>
<th>650K XLT / 650K LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Weight [with standard equipment, rollover protective structure [ROPS], full fuel tank, and 79-kg [175 lb.] operator]</td>
<td>9691 kg (21,320 lb.)</td>
</tr>
<tr>
<td>10 156 kg (22,343 lb.)</td>
<td></td>
</tr>
</tbody>
</table>

**Optional Components**

<table>
<thead>
<tr>
<th>Type</th>
<th>650K XLT / 650K LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cab with Pressurizer and Heater/ Air Conditioner ROPS Canopy</td>
<td>306 kg (675 lb.)</td>
</tr>
<tr>
<td>306 kg (675 lb.)</td>
<td></td>
</tr>
<tr>
<td>Heater</td>
<td>39 kg (85 lb.)</td>
</tr>
<tr>
<td>39 kg (85 lb.)</td>
<td></td>
</tr>
<tr>
<td>Front and Door Screens</td>
<td>81 kg (179 lb.)</td>
</tr>
<tr>
<td>81 kg (179 lb.)</td>
<td></td>
</tr>
<tr>
<td>Rear Screen</td>
<td>34 kg (76 lb.)</td>
</tr>
<tr>
<td>34 kg (76 lb.)</td>
<td></td>
</tr>
<tr>
<td>Side Screens</td>
<td>43 kg (94 lb.)</td>
</tr>
<tr>
<td>43 kg (94 lb.)</td>
<td></td>
</tr>
<tr>
<td>Limb Risers [ROPS canopy and cab]</td>
<td>104 kg (229 lb.)</td>
</tr>
<tr>
<td>104 kg (229 lb.)</td>
<td></td>
</tr>
<tr>
<td>Counterweight</td>
<td>109 kg (240 lb.)</td>
</tr>
<tr>
<td>109 kg (240 lb.)</td>
<td></td>
</tr>
<tr>
<td>Front</td>
<td>150 kg (330 lb.)</td>
</tr>
<tr>
<td>150 kg (330 lb.)</td>
<td></td>
</tr>
<tr>
<td>Rear</td>
<td>23 kg (50 lb.)</td>
</tr>
<tr>
<td>23 kg (50 lb.)</td>
<td></td>
</tr>
<tr>
<td>Retrieval Hitch</td>
<td>33 kg (72 lb.)</td>
</tr>
<tr>
<td>33 kg (72 lb.)</td>
<td></td>
</tr>
<tr>
<td>Drawbar, Extended Rigid</td>
<td>85 kg (187 lb.)</td>
</tr>
<tr>
<td>85 kg (187 lb.)</td>
<td></td>
</tr>
<tr>
<td>Winch</td>
<td>652 kg (1,437 lb.)</td>
</tr>
<tr>
<td>652 kg (1,437 lb.)</td>
<td></td>
</tr>
<tr>
<td>Fairlead, 4 Roller</td>
<td>41 kg (90 lb.)</td>
</tr>
<tr>
<td>41 kg (90 lb.)</td>
<td></td>
</tr>
<tr>
<td>Center Chain Guides</td>
<td>98 kg (216 lb.)</td>
</tr>
<tr>
<td>98 kg (216 lb.)</td>
<td></td>
</tr>
<tr>
<td>Maximum Life Undercarriage</td>
<td>182 kg (400 lb.)</td>
</tr>
<tr>
<td>182 kg (400 lb.)</td>
<td></td>
</tr>
<tr>
<td>Track Shoes</td>
<td>457 mm (18 in.)</td>
</tr>
<tr>
<td>457 mm (18 in.)</td>
<td></td>
</tr>
<tr>
<td>510 mm (20 in.)</td>
<td>83 kg (183 lb.)</td>
</tr>
<tr>
<td>83 kg (183 lb.)</td>
<td></td>
</tr>
<tr>
<td>610 mm (24 in.)</td>
<td>—</td>
</tr>
<tr>
<td>—</td>
<td></td>
</tr>
<tr>
<td>710 mm (28 in.)</td>
<td>—</td>
</tr>
<tr>
<td>—</td>
<td></td>
</tr>
<tr>
<td>In base</td>
<td>—</td>
</tr>
<tr>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>
### Machine Dimensions

<table>
<thead>
<tr>
<th>650K XLT / 650K LGP</th>
<th>Machine Dimensions (continued)</th>
<th>650K XLT</th>
<th>650K LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Height to Roof</td>
<td>2762 mm (9 ft. 1.25 in.)</td>
<td>2762 mm (9 ft. 1.25 in.)</td>
<td>2762 mm (9 ft. 1.25 in.)</td>
</tr>
<tr>
<td>Tread Depth with Single-Bar Grouser</td>
<td>49 mm (1.9 in.)</td>
<td>49 mm (1.9 in.)</td>
<td>49 mm (1.9 in.)</td>
</tr>
<tr>
<td>Ground Clearance in Dirt</td>
<td>341 mm (13.5 in.)</td>
<td>341 mm (13.5 in.)</td>
<td>341 mm (13.5 in.)</td>
</tr>
<tr>
<td>Overall Length</td>
<td>4255 mm (14 ft. 0 in.)</td>
<td>4255 mm (14 ft. 0 in.)</td>
<td>4255 mm (14 ft. 0 in.)</td>
</tr>
<tr>
<td>Blade Lift Height</td>
<td>818 mm (32.2 in.)</td>
<td>818 mm (32.2 in.)</td>
<td>818 mm (32.2 in.)</td>
</tr>
<tr>
<td>Blade Digging Depth</td>
<td>500 mm (19.7 in.)</td>
<td>500 mm (19.7 in.)</td>
<td>500 mm (19.7 in.)</td>
</tr>
<tr>
<td>Blade Cutting-Edge Angle, Adjustable</td>
<td>52 to 60 deg.</td>
<td>52 to 60 deg.</td>
<td>52 to 60 deg.</td>
</tr>
</tbody>
</table>

#### 650K XLT / 650K LGP WITH POWER-ANGLE- TILT (PAT) BLADE

- **Blade Type**
  - PAT

- **Straight**
  - Blade Width: 2667 mm (105 in.) (8 ft. 9 in.)
  - Blade Height: 1067 mm (3 ft. 6 in.)
  - SAE Capacity: 2.2 m³ (2.9 cu. yd.)
  - Weight: 603 kg (1,330 lb.)
  - C-Frame Assembly Weight (without blade): 399 kg (879 lb.)
  - Blade Angle: 22.2 deg.
  - Overall Width with Blade Angled: 2469 mm (8 ft. 1 in.)
  - Blade Tilt (uses tilt jack): 363 mm (14.3 in.)
  - Cut Reach: 117 mm (4.6 in.)
  - Width Over Track: 2007 mm (6 ft. 7 in.)
  - Cast Reach: 345 mm (13.6 in.)

- **Straight (option)**
  - Blade Width: 2921 mm (115 in.) (9 ft. 7 in.)
  - Blade Height: 955 mm (3 ft. 2 in.)
  - SAE Capacity: 2.0 m³ (2.6 cu. yd.)
  - Weight: 628 kg (1,385 lb.)
  - C-Frame Assembly Weight (without blade): 399 kg (879 lb.)
  - Blade Angle: 22.2 deg.
  - Overall Width with Blade Angled: 2705 mm (8 ft. 11 in.)
  - Blade Tilt (uses tilt jack): 399 mm (15.7 in.)
  - Cut Reach: 5 mm (0.2 in.)
  - Width Over Track: 2464 mm (8 ft. 1 in.)
  - Cast Reach: 236 mm (9.3 in.)
### Machine Dimensions (continued) 650K XLT 650K LGP

<table>
<thead>
<tr>
<th>Parameter</th>
<th>650K XLT</th>
<th>650K LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Blade Type</strong></td>
<td>PAT</td>
<td>PAT</td>
</tr>
<tr>
<td><strong>Straight (option)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H Blade Width</td>
<td>3150 mm (124 in.) (10 ft. 4 in.)</td>
<td>3251 mm (128 in.) (10 ft. 8 in.)</td>
</tr>
<tr>
<td>I Blade Height</td>
<td>894 mm (35 in.)</td>
<td>955 mm (3 ft. 2 in.)</td>
</tr>
<tr>
<td>SAE Capacity</td>
<td>1.9 m³ (2.5 cu. yd.)</td>
<td>2.2 m³ (2.9 cu. yd.)</td>
</tr>
<tr>
<td>Weight</td>
<td>631 kg (1,391 lb.)</td>
<td>694 kg (1,530 lb.)</td>
</tr>
<tr>
<td>C-Frame Assembly Weight (without blade)</td>
<td>399 kg (879 lb.)</td>
<td>399 kg (879 lb.)</td>
</tr>
<tr>
<td>J Blade Angle</td>
<td>22.2 deg.</td>
<td>22.2 deg.</td>
</tr>
<tr>
<td>K Overall Width with Blade Angled</td>
<td>2916 mm (9 ft. 7 in.)</td>
<td>3010 mm (9 ft. 11 in.)</td>
</tr>
<tr>
<td>L Blade Tilt (uses tilt jack)</td>
<td>429 mm (16.9 in.)</td>
<td>445 mm (17.5 in.)</td>
</tr>
<tr>
<td>M Cut Reach</td>
<td>340 mm (13.4 in.)</td>
<td>157 mm (6.2 in.)</td>
</tr>
<tr>
<td>N Width Over Track</td>
<td>2007 mm (6 ft. 7 in.)</td>
<td>2464 mm (8 ft. 1 in.)</td>
</tr>
<tr>
<td>O Cast Reach</td>
<td>569 mm (22.4 in.)</td>
<td>569 mm (22.4 in.)</td>
</tr>
</tbody>
</table>

### Rear Ripper 650K XLT / 650K LGP

<table>
<thead>
<tr>
<th>Parameter</th>
<th>650K XLT</th>
<th>650K LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Blade Type</strong></td>
<td>PAT</td>
<td>PAT</td>
</tr>
<tr>
<td>Multi-shank parallelogram ripper with 5 pockets and 3 shanks</td>
<td>981 kg (2,163 lb.)</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>981 kg (2,163 lb.)</td>
<td></td>
</tr>
<tr>
<td>P Maximum Penetration</td>
<td>508 mm (20 in.)</td>
<td></td>
</tr>
<tr>
<td>Q Maximum Clearance Under Tip</td>
<td>508 mm (20 in.)</td>
<td></td>
</tr>
<tr>
<td>R Overall Length, Lowered Position</td>
<td>1450 mm (4 ft. 9 in.)</td>
<td></td>
</tr>
<tr>
<td>R Overall Length, Raised Position</td>
<td>1015 mm (40 in.)</td>
<td></td>
</tr>
<tr>
<td>S Overall Beam Width</td>
<td>1830 mm (6 ft. 0 in.)</td>
<td></td>
</tr>
<tr>
<td>T Slope Angle (full raise)</td>
<td>40 deg.</td>
<td></td>
</tr>
<tr>
<td>U Ripping Width</td>
<td>1670 mm (5 ft. 6 in.)</td>
<td></td>
</tr>
<tr>
<td>V Distance Between Shanks</td>
<td>806 mm (32 in.)</td>
<td></td>
</tr>
</tbody>
</table>
Additional equipment

Key: ● Standard ▲ Optional or special

<table>
<thead>
<tr>
<th>450K</th>
<th>550K</th>
<th>650K</th>
<th>Engine</th>
</tr>
</thead>
<tbody>
<tr>
<td>● ● ●</td>
<td>● ● ●</td>
<td>● ● ●</td>
<td>Meets EPA Final Tier 4/EU Stage IV emissions</td>
</tr>
<tr>
<td>● ● ●</td>
<td>● ● ●</td>
<td>● ● ●</td>
<td>Electronic control with automatic engine protection</td>
</tr>
<tr>
<td>● ● ●</td>
<td>● ● ●</td>
<td>● ● ●</td>
<td>Dual safety element dry-type air cleaner, evaporator valve</td>
</tr>
<tr>
<td>● ● ●</td>
<td>● ● ●</td>
<td>● ● ●</td>
<td>Exhaust filter, under hood, with vertical stack</td>
</tr>
<tr>
<td>● ● ●</td>
<td>● ● ●</td>
<td>● ● ●</td>
<td>Engine glow-plug starting system</td>
</tr>
<tr>
<td>● ● ●</td>
<td>● ● ●</td>
<td>● ● ●</td>
<td>Programmable auto engine shutdown</td>
</tr>
<tr>
<td>● ● ●</td>
<td>● ● ●</td>
<td>● ● ●</td>
<td>Automatic turbo cool-down timer</td>
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<tr>
<td>● ● ●</td>
<td>● ● ●</td>
<td>● ● ●</td>
<td>Wet-sleeve cylinder liners</td>
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<tr>
<td>● ● ●</td>
<td>● ● ●</td>
<td>● ● ●</td>
<td>Remote-mounted fuel filters with automatic electronic priming</td>
</tr>
<tr>
<td>▲ ▲ ▲</td>
<td>▲ ▲ ▲</td>
<td>▲ ▲ ▲</td>
<td>Engine coolant heater, 110 volts</td>
</tr>
<tr>
<td>▲ ▲ ▲</td>
<td>▲ ▲ ▲</td>
<td>▲ ▲ ▲</td>
<td>Engine coolant heater, fuel fired</td>
</tr>
<tr>
<td>▲ ▲ ▲</td>
<td>▲ ▲ ▲</td>
<td>▲ ▲ ▲</td>
<td>Chrome exhaust</td>
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<tr>
<td>▲ ▲ ▲</td>
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<td>▲ ▲ ▲</td>
<td>Rotary ejector engine air pre-cleaner</td>
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<tr>
<td>▲ ▲ ▲</td>
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<td>▲ ▲ ▲</td>
<td>Fluid-sample valves</td>
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<tr>
<td>▲ ▲ ▲</td>
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<td>▲ ▲ ▲</td>
<td>Quick-service ports</td>
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<tr>
<td>▲ ▲ ▲</td>
<td>▲ ▲ ▲</td>
<td>▲ ▲ ▲</td>
<td>Severe-duty 400-mL (13.5 oz.) fuel filter and water separator with heating element</td>
</tr>
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<thead>
<tr>
<th>450K</th>
<th>550K</th>
<th>650K</th>
<th>Hydraulic System (continued)</th>
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</thead>
<tbody>
<tr>
<td>▲ ▲ ▲</td>
<td>▲ ▲ ▲</td>
<td>▲ ▲ ▲</td>
<td>4-function hydraulics with rear plumbing</td>
</tr>
<tr>
<td>▲ ▲ ▲</td>
<td>▲ ▲ ▲</td>
<td>▲ ▲ ▲</td>
<td>Drive-through hydraulic pump for use with winch</td>
</tr>
<tr>
<td>▲ ▲ ▲</td>
<td>▲ ▲ ▲</td>
<td>▲ ▲ ▲</td>
<td>Grade-control-ready electro-hydraulics (EH)</td>
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<tr>
<th>Mainframe, Access Panels</th>
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<th>Attachments</th>
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<thead>
<tr>
<th>Undercarriage</th>
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<thead>
<tr>
<th>XLT LGP 650K Shoes</th>
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<thead>
<tr>
<th>Canopy</th>
<th>Cab</th>
</tr>
</thead>
<tbody>
<tr>
<td>● ● ●</td>
<td>Operator’s Station / Electrical</td>
</tr>
<tr>
<td>● ● ●</td>
<td>Retractebel seat belts, 76 mm (3 in.) (conform to SAE J386)</td>
</tr>
<tr>
<td>● ● ●</td>
<td>Accessories: Convex wide-angle interior rearview mirror / Thigh cushions (2) / Cup holders (2)</td>
</tr>
<tr>
<td>● ● ●</td>
<td>Power port (cab includes two power ports)</td>
</tr>
<tr>
<td>● ● ●</td>
<td>Lockable dash-mounted storage compartment</td>
</tr>
<tr>
<td>● ● ●</td>
<td>Air conditioner, 24,000 Btu</td>
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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 ISO9249.

Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on units with standard equipment, rollover protective structures (ROPS), full fuel tanks, and 79-kg (175 lb.) operators.