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.

450K	450K LGP
60 kW (80 net hp)	60 kW (80 net hp)
7959 kg (17,510 lb.)	8522 kg (18,752 lb.)
550K	550K LGP
69 kW (92 net hp)	69 kW (92 net hp)
8981 kg (19,758 lb.)	9544 kg (21,000 lb.)
650K XLT	650K LGP
78 kW (104 net hp)	78 kW (104 net hp)
9691 kg (21,320 lb.)	10 156 kg (22,343 lb.)
	60 kW (80 net hp) 7959 kg (17,510 lb.) 550K 69 kW (92 net hp) 8981 kg (19,758 lb.) 650K XLT 78 kW (104 net hp)





Pushes envelopes, too.

Power turns. Counter-rotating tracks. Power management. Infinitely variable travel speeds. John Deere has been introducing productivityboosting advantages on our crawler dozers for decades. And our 650K, 550K, and 450K are loaded with 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 powerto-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.

 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. Eco mode maximizes fuel economy by up to 20 percent compared to conventional torque-converter transmissions without sacrificing performance, automatically adjusting engine rpm and transmission settings based on load.

 When you order your dozer with electrohydraulic (EH) controls, it's grade-control ready. Our "openarchitecture" design makes adding a grade-control system as easy as plugging in the components, calibrating, and going to work.



With you on the jobsite.

K-Series Dozers quietly go about the business of helping make your operators comfortably productive. Inside their roomy, well-appointed cabs, you can almost hear fatigue drop. You'll discover what 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.

- 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.







Built to take it on — and beyond.

Tough conditions call for strong solutions. Our K-Series Dozers are built to tackle some of the most difficult applications you can put in front of them. When you know how they're built, you'll see what they can do for your operation.

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 compared to conventional torque-converter transmissions. 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.

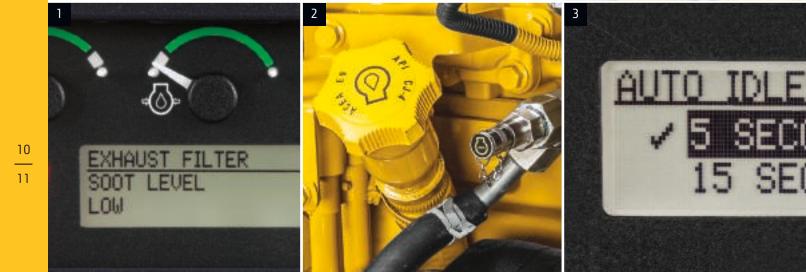
- Heavy-duty sealed and lubricated undercarriage is built without compromise to keep these machines in the field. Available Maximum Life Undercarriage delivers up to twice the bushing life, for extra durability in extremely abrasive conditions. To further reduce maintenance and operating costs, contact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

- 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 seconds up to 15 minutes.

Serviceability improvements on the 550K and 650K over previous models include composite fuel tank, redesigned diagnostic lines with pressure sensors, and John Deere transmission control unit software.





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.

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.

450K

Engine	450K / 450K LGP
Blade Types	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 ftlb.) at 1,400 rpm
Aspiration	Turbocharged with charge-air cooler
Air Cleaner	Dual-stage dry tube with tangential unloader
Cooling	
Гуре	Blower-type, direct-drive cooling fan
Engine Coolant Rating	–37 deg. C. (–34 deg. F)
Engine Radiator	8.47 fins per in.
Powertrain	0. Trinsperm.
Fransmission	Automatic, dual-path, hydrostatic (HST) drive; load-sensing feature automatically adjusts speed and power to match
ansinssion	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	34 887 kPa (5,060 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 load
Total Ratio	48.4 to 1
Drawbar Pull	
Maximum	122 kN (27,500 lb.)
At 1.9 km/h (1.2 mph)	80 kN (17,900 lb.)
At 3.2 km/h (2.0 mph)	48 kN (10,900 lb.) 30. 450K FT4 Drawbar Pull vs. Ground Speed
Brakes	
Service	
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	HST (dynamic) braking stops the machine when the direction/steering
Schie	HST (dynamic) braking stops the
Service	HST (dynamic) braking stops the machine when the direction/steering control lever is moved to neutral or
	HST (dynamic) braking stops the machine when the direction/steering control lever is moved to neutral or
	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	HST (dynamic) braking stops the machine when the direction/steering control lever is moved to neutral or the decelerator is depressed to the detent Exclusive spring-applied, hydraulically
	HST (dynamic) braking stops the machine when the direction/steering control lever is moved to neutral or the decelerator is depressed to the detent Exclusive spring-applied, hydraulically released park-brake feature engages
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Parking Hydraulics	HST (dynamic) braking stops the machine when the direction/steering control lever is moved to neutral or the decelerator is depressed to the detent 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 Open-center hydraulic system with fixed-displacement gear pump
Parking Hydraulics Pype Pump Displacement	HST (dynamic) braking stops the machine when the direction/steering control lever is moved to neutral or the decelerator is depressed to the detent 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 concenter hydraulic system with fixed-displacement gear pump 36.4 cc
Parking	HST (dynamic) braking stops the machine when the direction/steering control lever is moved to neutral or the decelerator is depressed to the detent 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 cannot be driven hydraulic system with fixed-displacement gear pump

d High Idle 80 L/m (21 gpm)

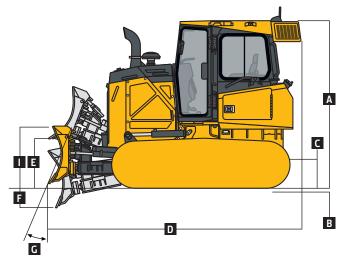
3-function direct-acting T-bar joystick with push-button angle function

Control



PAT	
24 volts	
950 CCA	
150 mm.	
100 amp	
1	
	450K LGP
John Deere DuraTrax [™] features large deep-heat-treated cor idlers are permanently sealed and lubricated; full-length tra	mponents; pins and bushings are sealed for life; rollers and ack-frame covers reduce material buildup and ease cleaning
	1651 mm (65 in.)
	610 mm (24 in.)
Sealed and lubricated	Sealed and lubricated
40 standard and Extended Life / 37 Maximum Life	40 standard and Extended Life / 37 Maximum Life
6	6
2184 mm (86 in.)	2184 mm (86 in.)
	26 632 cm ² (4,128 sq. in.)
	31.3 kPa (4.5 psi)
450K / 450K LGP	
5)	
-)	
2021 (53 45 gal.)	
· · · · · · · · · · · · · · · · · · ·	
	450K LGP
7959 kg (17,510 lb.)	8522 kg (18,752 lb.)
306 kg (675 lb.)	306 kg (675 lb.)
	12 kg (26 lb.)
81 kg (179 lb.)	81 kg (179 lb.)
34 kg (76 lb.)	34 kg (76 lb.)
43 kg (94 lb.)	43 kg (94 lb.)
95 kg (209 lb.)	95 kg (209 lb.)
109 kg (240 lb.)	109 kg (240 lb.)
150 kg (330 lb.)	150 kg (330 lb.)
	23 kg (50 lb.)
	33 kg (72 lb.)
	652 kg (1,437 lb.)
	85 kg (187 lb.)
117 kg (257 lb.)	131 kg (288 lb.)
	132 kg (290 lb.)
88 kg (193 lb.)	152 kg (250 lb.)
ln base	
	950 CCA 190 min. 100 amp Grille mounted (2), rear mounted (2), and rear reflectors (2) 450K John Deere DuraTrax [™] features large deep-heat-treated cori idlers are permanently sealed and lubricated; full-length tra 1448 mm (57 in.) 406 mm (16 in.) Sealed and lubricated 40 standard and Extended Life / 37 Maximum Life 6 2184 mm (86 in.) 17 755 cm ² (2,752 sq. in.) 43.9 kPa (6.4 psi) 160 mm (6.3 in.) standard / 171 mm (6.7 in.) Maximum Life 450K / 450K LGP 5) 202 L (53.45 gal.) 11.8 L (3.1 gal.) 21.1 L (5.6 gal.) 19 L (20 qt.) 100 L (26.42 gal.) 17 L (4.6 gal.) 450K 7959 kg (17,510 lb.) 306 kg (675 lb.) 12 kg (26 lb.) 81 kg (79 lb.) 34 kg (76 lb.) 43 kg (94 lb.) 95 kg (209 lb.) 109 kg (240 lb.) 150 kg (330 lb.) 23 kg (51 lb.) 15 kg (187 lb.) 35 kg (187 lb.) 35 kg (187 lb.) 36 kg (187 lb.) 36 kg (187 lb.) 37 kg (72 lb.) 37 kg (187 lb.) 38 kg (187 lb.) 38 kg (187 lb.)

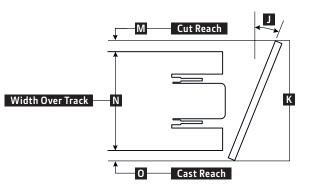
Machine Dimensions	450K / 450K LGP
Blade Type	Power-Angle-Tilt (PAT)
A Overall Height to Roof	2799 mm (9 ft. 2 in.)
B Tread Depth With Single-Bar Grouser	49 mm (1.9 in.)
C Ground Clearance in Dirt	329 mm (13 in.)
D Overall Length	4016 mm (158 in.) (13 ft. 2 in.)
E Blade Lift Height	772 mm (30.4 in.)
F Blade Digging Depth	528 mm (20.8 in.)
G Blade Cutting-Edge Angle, Adjustable	52 to 60 deg.



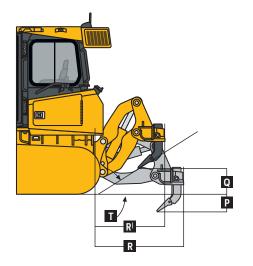
450K / 450K LGP WITH POWER-ANGLE-TILT (PAT) BLADE

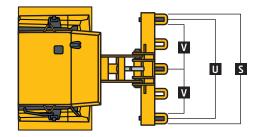
Machine Dimensions (continued)	450K	450K LGP
Straight		
H Blade Width	2464 mm (97 in.) (8 ft. 1 in.)	2921 mm (115 in.) (9 ft. 7 in.)
I Blade Height	955 mm (3 ft. 2 in.)	955 mm (3 ft. 2 in.)
SAE Capacity	1.6 m³ (2.1 cu. yd.)	2.0 m³ (2.6 cu. yd.)
Weight	494 kg (1,090 lb.)	628 kg (1,385 lb.)
C-Frame Assembly Weight (without blade)	330 kg (727 lb.)	330 kg (727 lb.)
J Blade Angle	25.4 deg.	25.4 deg.
K Overall Width With Blade Angled	2225 mm (7 ft. 4 in.)	2639 mm (8 ft. 8 in.)
L Blade Tilt (uses tilt jack)	338 mm (13.3 in.)	399 mm (15.7 in.)
M Cut Reach	56 mm (2.2 in.)	58.4 mm (2.2 in.)
N Width Over Track	1854 mm (6 ft. 1 in.)	2261 mm (7 ft. 5 in.)
O Cast Reach	318 mm (12.5 in.)	320 mm (12.6 in.)
Straight (option)		
H Blade Width	2921 mm (115 in.) (9 ft. 7 in.)	3150 mm (124 in.) (10 ft. 4 in.)
I Blade Height	955 mm (3 ft. 2 in.)	894 mm (35 in.)
SAE Capacity	2.0 m³ (2.6 cu. yd.)	1.9 m³ (2.5 cu. yd.)
Weight	628 kg (1,385 lb.)	631 kg (1,391 lb.)
C-Frame Assembly Weight (without blade)	330 kg (727 lb.)	330 kg (727 lb.)
J Blade Angle	25.4 deg.	25.4 deg.
K Overall Width With Blade Angled	2639 mm (8 ft. 8 in.)	2845 mm (9 ft. 4 in.)
L Blade Tilt (uses tilt jack)	399 mm (15.7 in.)	429 mm (16.9 in.)
M Cut Reach	262 mm (10.3 in.)	163 mm (6.4 in.)
N Width Over Track	1854 mm (6 ft. 1 in.)	2261 mm (7 ft. 5 in.)
O Cast Reach	523 mm (20.6 in.)	424 mm (17.0 in.)





Rea	ar Ripper	450K / 450K LGP
Bla	de Type	РАТ
Mu	lti-shank parallelogram ripper with 5 pockets a	nd 3 shanks
We	ight	981 kg (2,163 lb.)
Ρ	Maximum Penetration	508 mm (20 in.)
Q	Maximum Clearance Under Tip	508 mm (20 in.)
R	Overall Length, Lowered Position	1450 mm (57 in.) (4 ft. 9 in.)
RI	Overall Length, Raised Position	1015 mm (40 in.) (3 ft. 4 in.)
S	Overall Beam Width	1830 mm (6 ft. 0 in.)
Т	Slope Angle (full raise)	40 deg.
U	Ripping Width	1670 mm (5 ft. 6 in.)
V	Distance Between Shanks	806 mm (32 in.)





550K

Engine	550K / 550K 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	69 kW (92 hp) at 2,200 rpm
Net Peak Torque	420 Nm (310 ftlb.) at 1,400 rpm
Aspiration	Turbocharged with charge-air cooler
Air Cleaner	Dual-stage dry tube with tangential unloader
Cooling	Dual-stage dry tube with tangentiar dinoader
Туре	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; decelerator 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	35, ¹⁰
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)	
Brakes	58 KIV (13,100 ID.) 550K FT4 Drawbar Pull vs. Ground Speed
Service	HST (dynamic) braking stops the
Service	machine when the direction/steering
	control lever is moved to neutral or
	the decelerator is depressed to the
Daultina	the decelerator is depressed to the detent
Parking	
	released park-brake feature engages
	wet, multiple-disc brakes automatically
	whenever the engine stops, the oper-
	ator 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 GROUND SPEED
Hydraulics	
Гуре	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)
Maximum riow at onloaded riightule	00 L m (2 + 3pm)

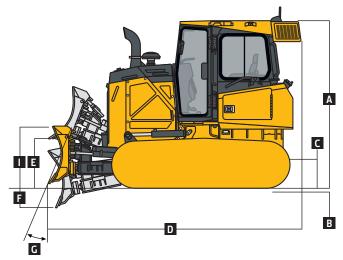
3-function direct-acting T-bar joystick with push-button angle function

Control



Bide Type AVT Bide Type 24 voits Capacity	Electrical	550K / 550K LGP	
Valuage 24 volts Battery 950 CCA Battery 950 CCA Reserve 190 min. Alternator Rating			
GapairySo CCAPesore190 min.Alternator Rating100 ampCanopy100 ampLightsCrille mounted [2], and rear reflectors [2]UndercarriageSOKSOK KLPTackJohn Deere DuarTant" features large deep-heat-treated components join and bushings are scaled for lifer colless and indicates are germanenty isselia and bushings are scaled for lifer colless and indicates are germanenty isselia and bushings are scaled for lifer colless and indicates are germanenty isselia and bushings are scaled for lifer colless and indicates are germanenty isselia and bushings are scaled for lifer colless and indicates are germanenty isselia and bushings are scaled for lifer colless and indicates are germanenty isselia and bushings are scaled for lifer colless and indicates are germanenty isselia and bushings are scaled for lifer colless and indicates are germanenty isselia and bushings are scaled for lifer colless and indicates are germanenty isselia and bushings are scaled for lifer colless and indicates are germanenty isselia and bushings are scaled for lifer colless and indicates are germanenty isselia and bushings are scaled ar			
Battry 950 CCA Reserve 190 min. Alternativ Rating 00 amp Cab 100 amp Canopy 100 amp Carlong 100 amp Carlong 100 amp Carlong 50K 50K LCP Undercarriage 50K 50K LCP Tack Sauge 159 montel (2), ear mounted (2), and rear reflectors (2) Indercarriage 50N More Table Sauge			
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Heater 39 kg (85 lb.) 39 kg (85 lb.) Front and Door Screens 81 kg (179 lb.) 81 kg (179 lb.) Rear Screen 34 kg (76 lb.) 34 kg (76 lb.) Side Screens 43 kg (94 lb.) 43 kg (94 lb.) Limb Risers (ROPS canopy and cab) 95 kg (209 lb.) 95 kg (209 lb.) Counterweight 109 kg (240 lb.) 109 kg (240 lb.) Rear 109 kg (30 lb.) 150 kg (330 lb.) Rear 150 kg (330 lb.) 150 kg (330 lb.) Drawbar, Extended Rigid 33 kg (72 lb.) 33 kg (72 lb.) Winch 652 kg (1,437 lb.) 652 kg (1,437 lb.) Full-Length Rock Guards 128 kg (282 lb.) 128 kg (282 lb.) Maximum Life Undercarriage 258 kg (569 lb.) 28 kg (569 lb.) Track Shoes 457 mm (18 in.) In base —	ROPS Canopy		
Front and Door Screens 81 kg (179 lb.) 81 kg (179 lb.) Rear Screen 34 kg (76 lb.) 34 kg (76 lb.) Side Screens 43 kg (94 lb.) 43 kg (94 lb.) Limb Risers (ROPS canopy and cab) 95 kg (209 lb.) 95 kg (209 lb.) Counterweight		39 kg (85 lb.)	39 kg (85 lb.)
Rear Screen 34 kg (76 lb.) 34 kg (76 lb.) Side Screens 43 kg (94 lb.) 43 kg (94 lb.) Limb Risers (ROPS canopy and cab) 95 kg (209 lb.) 95 kg (209 lb.) Counterweight 109 kg (240 lb.) 109 kg (240 lb.) Rear 150 kg (330 lb.) 150 kg (330 lb.) Retrieval Hitch 23 kg (50 lb.) 23 kg (50 lb.) Drawbar, Extended Rigid 33 kg (72 lb.) 33 kg (72 lb.) Winch 652 kg (1,437 lb.) 652 kg (1,437 lb.) Fairlead, 4 Roller 85 kg (187 lb.) 128 kg (282 lb.) Full-Length Rock Guards 128 kg (282 lb.) 128 kg (282 lb.) Track Shoes	Front and Door Screens		
Side Screens 43 kg (94 lb.) 43 kg (94 lb.) Limb Risers (ROPS canopy and cab) 95 kg (209 lb.) 95 kg (209 lb.) Counterweight 109 kg (240 lb.) 109 kg (240 lb.) Rear 150 kg (330 lb.) 150 kg (330 lb.) Retrieval Hitch 23 kg (50 lb.) 23 kg (50 lb.) Drawbar, Extended Rigid 33 kg (72 lb.) 33 kg (72 lb.) Winch 652 kg (1,437 lb.) 652 kg (1,437 lb.) Fairlead, 4 Roller 85 kg (187 lb.) 85 kg (187 lb.) Full-Length Rock Guards 128 kg (282 lb.) 128 kg (282 lb.) Track Shoes - -	Rear Screen	5, ,	5
Limb Risers (ROPS canopy and cab) 95 kg (209 lb.) 95 kg (209 lb.) Counterweight 109 kg (240 lb.) 109 kg (240 lb.) Rear 150 kg (330 lb.) 150 kg (330 lb.) Retrieval Hitch 23 kg (50 lb.) 23 kg (50 lb.) Drawbar, Extended Rigid 33 kg (72 lb.) 33 kg (72 lb.) Winch 652 kg (1,437 lb.) 652 kg (1,437 lb.) Fairlead, 4 Roller 85 kg (187 lb.) 85 kg (187 lb.) Full-Length Rock Guards 128 kg (282 lb.) 128 kg (282 lb.) Track Shoes	Side Screens		
Counterweight 109 kg (240 lb.) 109 kg (240 lb.) Front 109 kg (240 lb.) 109 kg (240 lb.) Rear 150 kg (330 lb.) 150 kg (330 lb.) Retrieval Hitch 23 kg (50 lb.) 23 kg (50 lb.) Drawbar, Extended Rigid 33 kg (72 lb.) 33 kg (72 lb.) Winch 652 kg (1,437 lb.) 652 kg (1,437 lb.) Fairlead, 4 Roller 85 kg (187 lb.) 85 kg (187 lb.) Full-Length Rock Guards 128 kg (282 lb.) 128 kg (282 lb.) Maximum Life Undercarriage 258 kg (569 lb.) 258 kg (569 lb.) Track Shoes			
Front 109 kg (240 lb.) 109 kg (240 lb.) Rear 150 kg (330 lb.) 150 kg (330 lb.) Retrieval Hitch 23 kg (50 lb.) 23 kg (50 lb.) Drawbar, Extended Rigid 33 kg (72 lb.) 33 kg (72 lb.) Winch 652 kg (1,437 lb.) 652 kg (1,437 lb.) Fairlead, 4 Roller 85 kg (187 lb.) 85 kg (187 lb.) Full-Length Rock Guards 128 kg (282 lb.) 128 kg (282 lb.) Maximum Life Undercarriage 258 kg (569 lb.) 258 kg (569 lb.) Track Shoes			
Rear 150 kg (330 lb.) 150 kg (330 lb.) Retrieval Hitch 23 kg (50 lb.) 23 kg (50 lb.) Drawbar, Extended Rigid 33 kg (72 lb.) 33 kg (72 lb.) Winch 652 kg (1,437 lb.) 652 kg (1,437 lb.) Fairlead, 4 Roller 85 kg (187 lb.) 85 kg (187 lb.) Full-Length Rock Guards 128 kg (282 lb.) 128 kg (282 lb.) Maximum Life Undercarriage 258 kg (569 lb.) 258 kg (569 lb.) Track Shoes		109 kg (240 lb)	109 kg (240 lb)
Retrieval Hitch 23 kg (50 lb.) 23 kg (50 lb.) Drawbar, Extended Rigid 33 kg (72 lb.) 33 kg (72 lb.) Winch 652 kg (1,437 lb.) 652 kg (1,437 lb.) Fairlead, 4 Roller 85 kg (187 lb.) 85 kg (187 lb.) Full-Length Rock Guards 128 kg (282 lb.) 128 kg (282 lb.) Maximum Life Undercarriage 258 kg (569 lb.) 258 kg (569 lb.) Track Shoes			
Drawbar, Extended Rigid 33 kg (72 lb.) 33 kg (72 lb.) Winch 652 kg (1,437 lb.) 652 kg (1,437 lb.) Fairlead, 4 Roller 85 kg (187 lb.) 85 kg (187 lb.) Full-Length Rock Guards 128 kg (282 lb.) 128 kg (282 lb.) Maximum Life Undercarriage 258 kg (569 lb.) 258 kg (569 lb.) Track Shoes - -			
Winch 652 kg (1,437 lb.) 652 kg (1,437 lb.) Fairlead, 4 Roller 85 kg (187 lb.) 85 kg (187 lb.) Full-Length Rock Guards 128 kg (282 lb.) 128 kg (282 lb.) Maximum Life Undercarriage 258 kg (569 lb.) 258 kg (569 lb.) Track Shoes			
Fairlead, 4 Roller 85 kg (187 lb.) 85 kg (187 lb.) Full-Length Rock Guards 128 kg (282 lb.) 128 kg (282 lb.) Maximum Life Undercarriage 258 kg (569 lb.) 258 kg (569 lb.) Track Shoes 457 mm (18 in.) In base —		5	
Full-Length Rock Guards 128 kg (282 lb.) 128 kg (282 lb.) Maximum Life Undercarriage 258 kg (569 lb.) 258 kg (569 lb.) Track Shoes 457 mm (18 in.) In base —			
Maximum Life Undercarriage 258 kg (569 lb.) 258 kg (569 lb.) Track Shoes 457 mm (18 in.) In base —		5, ,	5
Track Shoes 457 mm (18 in.) In base —			
457 mm (18 in.) In base —		258 kg (569 lb.)	258 kg (569 lb.)
610 mm (24 in.) — In base		In base	—
	610 mm (24 in.)	—	In base

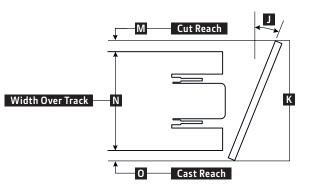
Machine Dimensions	550K / 550K LGP
Blade Type	Power-Angle-Tilt (PAT)
A Overall Height to Roof	2799 mm (9 ft. 2 in.)
B Tread Depth With Single-Bar Grouser	49 mm (1.9 in.)
C Ground Clearance in Dirt	329 mm (13 in.)
D Overall Length	4016 mm (158 in.) (13 ft. 2 in.)
E Blade Lift Height	772 mm (30.4 in.)
F Blade Digging Depth	523 mm (20.6 in.)
G Blade Cutting-Edge Angle, Adjustable	52 to 60 deg.



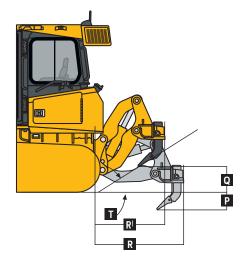
550K / 550K LGP WITH POWER-ANGLE-TILT (PAT) BLADE

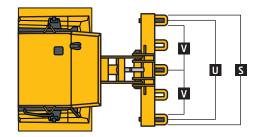
Straight Straight H Blade Width 2667 mm (105 in.) (8 ft. 9 in.) 2921 mm (115 in.) (9 ft. 7 in.) J Blade Height 955 mm (3 ft. 2 in.) 955 mm (3 ft. 2 in.) SAE Capacity 1.8 m² (2.4 cu. yd.) 0.0 m² (2.6 cu. yd.) Veight 603 kg (1,330 lb.) 628 kg (1,385 lb.) C-Frame Assembly Weight (without blade) 399 kg (879 lb.) 399 kg (879 lb.) J Blade Angle 22.2 deg. 22.2 deg. K Overall Width With Blade Angled 2469 mm (8 ft. 1 in.) 399 mm (15.7 in.) J Blade Til (uses til i jack) 363 mm (14.3 in.) 399 mm (15.7 in.) M Cut Reach 117 mm (4.6 in.) 56 mm (2.2 in.) M Width Over Track 2007 mm (6 ft. 7 in.) 362 mm (7 ft. 9 in.) O Cast Reach 345 mm (18.3 in.) 287 mm (110 in.) SAE Capacity 201 mm (115 in.) (9 ft. 7 in.) 3150 mm (124 in.) (10 ft. 4 in.) SAE Capacity 2021 mm (115 in.) (9 ft. 7 in.) 3150 mm (32 in.) SAE Capacity 201 mm (2 ci. cu. yd.) 394 mm (35 in.) SAE Cap	M	achine Dimensions (continued)	550K	550K LGP
I Blade Height 955 mm (3 ft. 2 in.) SAE Capacity 1.8 m³ (2.4 cu. yd.) 2.0 m³ (2.6 cu. yd.) Weight 603 kg (1,330 lb.) 628 kg (1,335 lb.) C-Frame Assembly Weight (without blade) 399 kg (879 lb.) 399 kg (879 lb.) J Blade Angle 22.2 deg. 22.2 deg. K Overall Width With Blade Angled 2469 mm (8 ft. 1 in.) 2705 mm (8 ft. 11 in.) L Blade Tilt (uses tilt jack) 363 mm (14.3 in.) 399 mm (15.7 in.) M Cut Reach 117 mm (4.6 in.) 56 mm (2.2 in.) N Width Over Track 2007 mm (6 ft. 7 in.) 287 mm (11.0 in.) Star 2037 mm (15 in.) (9 ft. 7 in.) 3150 mm (124 in.) (10 ft. 4 in.) I Blade Width 2921 mm (115 in.) (9 ft. 7 in.) 3150 mm (124 in.) (10 ft. 4 in.) I Blade Height 955 mm (3 ft. 2 in.) 894 mm (35 in.) SAE Capacity 2.0 m³ (2.6 cu. yd.) 1.9 m³ (2.5 cu. yd.) Veight 628 kg (1, 385 lb.) 631 kg (1.391 lb.) C-Frame Assembly Weight (without blade) 399 kg (879 lb.) 399 kg (879 lb.) <tr< th=""><th>St</th><th>raight</th><th></th><th></th></tr<>	St	raight		
SAE Capacity 1.8 m³ (2.4 cu. yd.) 2.0 m³ (2.6 cu. yd.) Weight 603 kg (1,330 lb.) 628 kg (1,385 lb.) C-Frame Assembly Weight (without blade) 399 kg (879 lb.) 399 kg (879 lb.) J Blade Angle 22.2 deg. 22.2 deg. K Overall Width With Blade Angled 2469 mm (8 ft. 1 in.) 2705 mm (8 ft. 11 in.) L Blade Tilt (uses tilt jack) 363 mm (14.3 in.) 399 mm (15.7 in.) M Cut Reach 117 mm (4.6 in.) 56 mm (2.2 in.) N Width Over Track 2007 mm (6 ft. 7 in.) 2362 mm (7 ft. 9 in.) O Cast Reach 345 mm (18.3 in.) 2362 mm (7 ft. 9 in.) Straight (option) 55 mm (3 ft. 2 in.) 894 mm (35 in.) H Blade Width 2921 mm (115 in.) (9 ft. 7 in.) 3150 mm (124 in.) (10 ft. 4 in.) I Blade Height 955 mm (3 ft. 2 in.) 894 mm (35 in.) SAE Capacity 2.0 m³ (2.6 cu. yd.) 1.9 m³ (2.5 cu. yd.) Weight 628 kg (1,385 lb.) 631 kg (1,391 lb.) C-Frame Assembly Weight (without blade) 399 kg (879 lb.) 399 kg (879 lb.) J Blade Angle 22.2 deg. 22.2 deg.	н	Blade Width	2667 mm (105 in.) (8 ft. 9 in.)	2921 mm (115 in.) (9 ft. 7 in.)
Weight 603 kg (1,330 lb.) 628 kg (1,385 lb.) C-Frame Assembly Weight (without blade) 399 kg (879 lb.) 399 kg (879 lb.) J Blade Angle 22.2 deg. 22.2 deg. K Overall Width With Blade Angled 2469 mm (8 ft. 1 in.) 2705 mm (8 ft. 11 in.) L Blade Tilt (uses tilt jack) 363 mm (14.3 in.) 399 mm (15.7 in.) M Cut Reach 117 mm (4.6 in.) 56 mm (2.2 in.) N Width Over Track 2007 mm (6 ft. 7 in.) 2362 mm (7 ft. 9 in.) O Cast Reach 345 mm (18.3 in.) 287 mm (11.0 in.) Straight (option)	1	Blade Height	955 mm (3 ft. 2 in.)	955 mm (3 ft. 2 in.)
C-Frame Assembly Weight (without blade) 399 kg (879 lb.) 399 kg (879 lb.) J Blade Angle 22.2 deg. 22.2 deg. K Overall Width With Blade Angled 2469 mm (8 ft. 1 in.) 2705 mm (8 ft. 1 1 in.) L Blade Tilt (uses tilt jack) 363 mm (14.3 in.) 399 mm (15.7 in.) M Cut Reach 117 mm (4.6 in.) 56 mm (2.2 in.) N Width Over Track 2007 mm (6 ft. 7 in.) 2362 mm (11.0 in.) O Cast Reach 345 mm (18.3 in.) 287 mm (11.0 in.) Straight (option)		SAE Capacity	1.8 m³ (2.4 cu. yd.)	2.0 m³ (2.6 cu. yd.)
J Blade Angle 22.2 deg. 22.2 deg. K Overall Width With Blade Angled 2469 mm (8 ft. 1 in.) 2705 mm (8 ft. 1 1 in.) L Blade Tilt (uses tilt jack) 363 mm (14.3 in.) 399 mm (15.7 in.) M Cut Reach 117 mm (4.6 in.) 56 mm (2.2 in.) N Width Over Track 2007 mm (6 ft. 7 in.) 2362 mm (7 ft. 9 in.) O Cast Reach 345 mm (18.3 in.) 287 mm (11.0 in.) Straight (option)		Weight	603 kg (1,330 lb.)	628 kg (1,385 lb.)
K Overall Width With Blade Angled 2469 mm (8 ft. 1 in.) 2705 mm (8 ft. 1 1 in.) L Blade Tilt (uses tilt jack) 363 mm (14.3 in.) 399 mm (15.7 in.) M Cut Reach 117 mm (4.6 in.) 56 mm (2.2 in.) N Width Over Track 2007 mm (6 ft. 7 in.) 2362 mm (7 ft. 9 in.) O Cast Reach 345 mm (18.3 in.) 287 mm (11.0 in.) Straight (option)		C-Frame Assembly Weight (without blade)	399 kg (879 lb.)	399 kg (879 lb.)
L Blade Tilt (uses tilt jack) 363 mm (14.3 in.) 399 mm (15.7 in.) M Cut Reach 117 mm (4.6 in.) 56 mm (2.2 in.) N Width Over Track 2007 mm (6 ft. 7 in.) 2362 mm (7 ft. 9 in.) O Cast Reach 345 mm (18.3 in.) 287 mm (11.0 in.) Straight (option)	J	Blade Angle	22.2 deg.	22.2 deg.
M Cut Reach 117 mm (4.6 in.) 56 mm (2.2 in.) N Width Over Track 2007 mm (6 ft. 7 in.) 2362 mm (7 ft. 9 in.) O Cast Reach 345 mm (18.3 in.) 287 mm (11.0 in.) Straight (option) Imm (124 in.) (10 ft. 4 in.) 10 ft. 7 in.) H Blade Width 2921 mm (115 in.) (9 ft. 7 in.) 3150 mm (124 in.) (10 ft. 4 in.) I Blade Height 955 mm (3 ft. 2 in.) 894 mm (35 in.) SAE Capacity 2.0 m³ (2.6 cu. yd.) 1.9 m³ (2.5 cu. yd.) Weight 628 kg (1,385 lb.) 631 kg (1,391 lb.) C-Frame Assembly Weight (without blade) 399 kg (879 lb.) 399 kg (879 lb.) J Blade Angle 22.2 deg. 22.2 deg. K Overall Width With Blade Angled 2705 mm (8 ft. 11 in.) 2916 mm (9 ft. 7 in.) L Blade Tilt (uses tilt jack) 399 mm (15.7 in.) 429 mm (16.9 in.) M Cut Reach 234 mm (9.2 in.) 163 mm (6.4 in.) N Width Over Track 2007 mm (6 ft. 7 in.) 2464 mm (8 ft. 1 in.)	K	Overall Width With Blade Angled	2469 mm (8 ft. 1 in.)	2705 mm (8 ft. 11 in.)
N Width Over Track 2007 mm (6 ft. 7 in.) 2362 mm (7 ft. 9 in.) O Cast Reach 345 mm (18.3 in.) 287 mm (11.0 in.) Straight (option) 3150 mm (124 in.) (10 ft. 4 in.) H Blade Width 2921 mm (115 in.) (9 ft. 7 in.) 3150 mm (124 in.) (10 ft. 4 in.) I Blade Height 955 mm (3 ft. 2 in.) 894 mm (35 in.) SAE Capacity 2.0 m³ (2.6 cu. yd.) 1.9 m³ (2.5 cu. yd.) Weight 628 kg (1,385 lb.) 631 kg (1,391 lb.) C-Frame Assembly Weight (without blade) 399 kg (879 lb.) 399 kg (879 lb.) J Blade Angle 2.2.2 deg. 22.2 deg. K Overall Width With Blade Angled 2705 mm (8 ft. 11 in.) 2916 mm (9 ft. 7 in.) L Blade Tilt (uses tilt jack) 399 mm (15.7 in.) 429 mm (16.9 in.) M Cut Reach 234 mm (9.2 in.) 163 mm (6.4 in.) N Width Over Track 2007 mm (6 ft. 7 in.) 2464 mm (8 ft. 1 in.)	L	Blade Tilt (uses tilt jack)	363 mm (14.3 in.)	399 mm (15.7 in.)
O Cast Reach 345 mm (18.3 in.) 287 mm (11.0 in.) Straight (option) 287 mm (11.0 in.) 11.0 in.) H Blade Width 2921 mm (115 in.) (9 ft. 7 in.) 3150 mm (124 in.) (10 ft. 4 in.) I Blade Height 955 mm (3 ft. 2 in.) 894 mm (35 in.) SAE Capacity 2.0 m³ (2.6 cu. yd.) 1.9 m³ (2.5 cu. yd.) Weight 628 kg (1,385 lb.) 631 kg (1,391 lb.) C-Frame Assembly Weight (without blade) 399 kg (879 lb.) 399 kg (879 lb.) J Blade Angle 2.2.2 deg. 22.2 deg. K Overall Width With Blade Angled 2705 mm (8 ft. 11 in.) 2916 mm (9 ft. 7 in.) L Blade Tilt (uses tilt jack) 399 mm (15.7 in.) 429 mm (16.9 in.) M Cut Reach 234 mm (9.2 in.) 163 mm (6.4 in.) N Width Over Track 2007 mm (6 ft. 7 in.) 2464 mm (8 ft. 1 in.)	M	Cut Reach	117 mm (4.6 in.)	56 mm (2.2 in.)
Strict (option) I Blade Width 2921 mm (115 in.) (9 ft. 7 in.) 3150 mm (124 in.) (10 ft. 4 in.) I Blade Height 955 mm (3 ft. 2 in.) 894 mm (35 in.) I Blade Height 955 mm (3 ft. 2 in.) 894 mm (35 in.) I SAE Capacity 2.0 m ³ (2.6 cu. yd.) 1.9 m ³ (2.5 cu. yd.) I Weight 628 kg (1,385 lb.) 631 kg (1,391 lb.) I Blade Angle 2.2 deg. 22.2 deg. J Blade Angle 2.2 deg. 22.2 deg. K Overall Width With Blade Angled 2705 mm (8 ft. 11 in.) 2916 mm (9 ft. 7 in.) L Blade Til (uses tilt jack) 399 mm (15.7 in.) 429 mm (16.9 in.) M Cut Reach 234 mm (9.2 in.) 163 mm (6.4 in.) N Width Over Track 2007 mm (6 ft. 7 in.) 2464 mm (8 ft. 1 in.)	Ν	Width Over Track		2362 mm (7 ft. 9 in.)
H Blade Width 2921 mm (115 in.) (9 ft. 7 in.) 3150 mm (124 in.) (10 ft. 4 in.) I Blade Height 955 mm (3 ft. 2 in.) 894 mm (35 in.) SAE Capacity 2.0 m³ (2.6 cu. yd.) 1.9 m³ (2.5 cu. yd.) Weight 628 kg (1,385 lb.) 631 kg (1,391 lb.) C-Frame Assembly Weight (without blade) 399 kg (879 lb.) 399 kg (879 lb.) J Blade Angle 22.2 deg. 22.2 deg. K Overall Width With Blade Angled 2705 mm (8 ft. 11 in.) 2916 mm (9 ft. 7 in.) L Blade Tilt (uses tilt jack) 399 mm (15.7 in.) 429 mm (16.9 in.) M Cut Reach 234 mm (9.2 in.) 163 mm (6.4 in.) N Width Over Track 2007 mm (6 ft. 7 in.) 2464 mm (8 ft. 1 in.)	0	Cast Reach	345 mm (18.3 in.)	287 mm (11.0 in.)
I Blade Height 955 mm (3 ft. 2 in.) 894 mm (35 in.) SAE Capacity 2.0 m³ (2.6 cu. yd.) 1.9 m³ (2.5 cu. yd.) Weight 628 kg (1,385 lb.) 631 kg (1,391 lb.) C-Frame Assembly Weight (without blade) 399 kg (879 lb.) 399 kg (879 lb.) J Blade Angle 22.2 deg. 22.2 deg. K Overall Width With Blade Angled 2705 mm (8 ft. 11 in.) 2916 mm (9 ft. 7 in.) L Blade Tilt (uses tilt jack) 399 mm (15.7 in.) 429 mm (16.9 in.) M Cut Reach 234 mm (9.2 in.) 163 mm (6.4 in.) N Width Over Track 2007 mm (6 ft. 7 in.) 2464 mm (8 ft. 1 in.)				
SAE Capacity 2.0 m³ (2.6 cu. yd.) 1.9 m³ (2.5 cu. yd.) Weight 628 kg (1,385 lb.) 631 kg (1,391 lb.) C-Frame Assembly Weight (without blade) 399 kg (879 lb.) 399 kg (879 lb.) J Blade Angle 22.2 deg. 22.2 deg. K Overall Width With Blade Angled 2705 mm (8 ft. 11 in.) 2916 mm (9 ft. 7 in.) L Blade Tilt (uses tilt jack) 399 mm (15.7 in.) 429 mm (16.9 in.) M Cut Reach 234 mm (9.2 in.) 163 mm (6.4 in.) N Width Over Track 2007 mm (6 ft. 7 in.) 2464 mm (8 ft. 1 in.)	Н	Blade Width	2921 mm (115 in.) (9 ft. 7 in.)	3150 mm (124 in.) (10 ft. 4 in.)
Weight 628 kg (1,385 lb.) 631 kg (1,391 lb.) C-Frame Assembly Weight (without blade) 399 kg (879 lb.) 399 kg (879 lb.) J Blade Angle 22.2 deg. 22.2 deg. K Overall Width With Blade Angled 2705 mm (8 ft. 11 in.) 2916 mm (9 ft. 7 in.) L Blade Tilt (uses tilt jack) 399 mm (15.7 in.) 429 mm (16.9 in.) M Cut Reach 234 mm (9.2 in.) 163 mm (6.4 in.) N Width Over Track 2007 mm (6 ft. 7 in.) 2464 mm (8 ft. 1 in.)	<u> </u>		955 mm (3 ft. 2 in.)	894 mm (35 in.)
C-Frame Assembly Weight (without blade) 399 kg (879 lb.) 399 kg (879 lb.) J Blade Angle 22.2 deg. 22.2 deg. K Overall Width With Blade Angled 2705 mm (8 ft. 11 in.) 2916 mm (9 ft. 7 in.) L Blade Tilt (uses tilt jack) 399 mm (15.7 in.) 429 mm (16.9 in.) M Cut Reach 234 mm (9.2 in.) 163 mm (6.4 in.) N Width Over Track 2007 mm (6 ft. 7 in.) 2464 mm (8 ft. 1 in.)		SAE Capacity	2.0 m³ (2.6 cu. yd.)	1.9 m³ (2.5 cu. yd.)
J Blade Angle 22.2 deg. 22.2 deg. K Overall Width With Blade Angled 2705 mm (8 ft. 11 in.) 2916 mm (9 ft. 7 in.) L Blade Tilt (uses tilt jack) 399 mm (15.7 in.) 429 mm (16.9 in.) M Cut Reach 234 mm (9.2 in.) 163 mm (6.4 in.) N Width Over Track 2007 mm (6 ft. 7 in.) 2464 mm (8 ft. 1 in.)		Weight	628 kg (1,385 lb.)	631 kg (1,391 lb.)
K Overall Width With Blade Angled 2705 mm (8 ft. 11 in.) 2916 mm (9 ft. 7 in.) L Blade Tilt (uses tilt jack) 399 mm (15.7 in.) 429 mm (16.9 in.) M Cut Reach 234 mm (9.2 in.) 163 mm (6.4 in.) N Width Over Track 2007 mm (6 ft. 7 in.) 2464 mm (8 ft. 1 in.)		C-Frame Assembly Weight (without blade)	399 kg (879 lb.)	399 kg (879 lb.)
L Blade Tilt (uses tilt jack) 399 mm (15.7 in.) 429 mm (16.9 in.) M Cut Reach 234 mm (9.2 in.) 163 mm (6.4 in.) N Width Over Track 2007 mm (6 ft. 7 in.) 2464 mm (8 ft. 1 in.)	J	Blade Angle	22.2 deg.	22.2 deg.
M Cut Reach 234 mm (9.2 in.) 163 mm (6.4 in.) N Width Over Track 2007 mm (6 ft. 7 in.) 2464 mm (8 ft. 1 in.)	K	Overall Width With Blade Angled	2705 mm (8 ft. 11 in.)	2916 mm (9 ft. 7 in.)
N Width Over Track 2007 mm (6 ft. 7 in.) 2464 mm (8 ft. 1 in.)	L	Blade Tilt (uses tilt jack)	399 mm (15.7 in.)	429 mm (16.9 in.)
	M	Cut Reach	234 mm (9.2 in.)	163 mm (6.4 in.)
O Cast Reach 465 mm (18.3 in.) 391 mm (15.4 in.)	Ν	Width Over Track	2007 mm (6 ft. 7 in.)	2464 mm (8 ft. 1 in.)
	0	Cast Reach	465 mm (18.3 in.)	391 mm (15.4 in.)





Rea	r Ripper	550K / 550K LGP
Bla	de Type	РАТ
Mu	lti-shank parallelogram ripper with 5 pockets a	nd 3 shanks
We	ight	981 kg (2,163 lb.)
Р	Maximum Penetration	508 mm (20 in.)
Q	Maximum Clearance Under Tip	508 mm (20 in.)
R	Overall Length, Lowered Position	1450 mm (57 in.) (4 ft. 9 in.)
R	Overall Length, Raised Position	1015 mm (40 in.) (3 ft. 4 in.)
S	Overall Beam Width	1830 mm (6 ft. 0 in.)
Т	Slope Angle (full raise)	40 deg.
U	Ripping Width	1670 mm (5 ft. 6 in.)
V	Distance Between Shanks	806 mm (32 in.)





650K

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 ftlb.) at 1,400 rpm
Aspiration	Turbocharged with charge-air cooler
Air Cleaner	Dual-stage dry tube with tangential unloader
Cooling	Duar-stage dry tabe with tangentian dinoader
Туре	Variable-speed suction fan with optional reversing feature
Engine Coolant Rating	–37 deg. C. (–34 deg. F)
Engine Radiator	
5	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 contro 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)	
Brakes	69 KN (15,600 ID.) 650K FT4 Drawbar Pull vs. Ground Speed
Service	HST (dynamic) braking stops the
Service	machine when the direction/steering
	control lever is moved to neutral or the decelerator is depressed to the
Parking	the decelerator is depressed to the detent Exclusive spring-applied, hydraulically and the spring and the spring applied by the spri
Parking	the decelerator is depressed to the detent Exclusive spring-applied, hydraulically released park-brake feature engages
Parking	the decelerator is depressed to the detent Exclusive spring-applied, hydraulically released park-brake feature engages wet, multiple-disc brakes automatically
Parking	the decelerator is depressed to the detent Exclusive spring-applied, hydraulically released park-brake feature engages wet, multiple-disc brakes automatically whenever the engine stops, the oper-
Parking	the decelerator is depressed to the detent Exclusive spring-applied, hydraulically released park-brake feature engages wet, multiple-disc brakes automatically whenever the engine stops, the operator depresses the decelerator pedal
Parking	the decelerator is depressed to the detent 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
Parking	the decelerator is depressed to the detent 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
Parking	the decelerator is depressed to the detent 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
Parking	the decelerator is depressed to the detent 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
Parking	the decelerator is depressed to the detent Exclusive spring-applied, hydraulically released park-brake feature engages wet, multiple-disc brakes automatically whenever the engine stops, the oper- ator 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
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Hydraulics	the decelerator is depressed to the detent 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
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Hydraulics Type Pump Displacement	the decelerator is depressed to the detent 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 EXCLUSIVE SPRED
Parking Hydraulics Type Pump Displacement System Relief Pressure	the decelerator is depressed to the detent 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 Open-center hydraulic system with fixed-displacement gear pump
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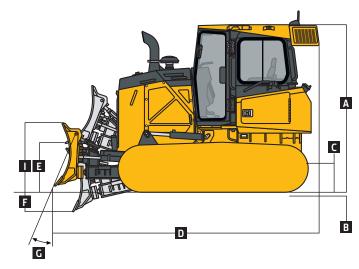
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Electrical	650K XLT / 650K LGP	
Blade Type	PAT	
Voltage	24 volts	
Capacity		
Battery	950 CCA	
Reserve	190 min.	
Alternator Rating		
Cab	100 amp	
Canopy	100 amp	
Lights	Grille mounted (2), rear mounted (2), and rear reflectors (2)	
Undercarriage	650K XLT	650K LGP
Tracks	John Deere DuraTrax [™] features large deep-heat-treated cor	
	idlers are permanently sealed and lubricated; full-length tra	ack-frame covers reduce material buildup and ease cleaning
Track Gauge	1550 mm (61 in.)	1750 mm (69 in.)
Grouser Width	457 mm (18 in.)	710 mm (28 in.)
Chain	Sealed and lubricated	Sealed and lubricated
Shoes, Each Side	40	40
Track Rollers, Each Side	7	7
Track Length on Ground	2349 mm (92 in.)	2349 mm (92 in.)
Ground Contact Area	21 479 cm ² (3,329 sq. in.)	33 412 cm ² (5,179 sq. in.)
Ground Pressure	44.1 kPa (6.4 psi)	29.6 kPa (4.3 psi)
Track Pitch	171 mm (6.7 in.)	171 mm (6.7 in.)
Operator Station	650K XLT / 650K LGP	
ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 200		
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		
5	19 L (20 qt.)	
Hydraulic/HST Oil (common reservoir) With Filters		
Final Drive (per tractor)	17 L (4.6 gal.)	CEOK LCD
Operating Weights	650K XLT	650K LGP
Base Weight (with standard equipment, rollover protective structure [ROPS], full fuel tank, and 79-kg [175 lb.] operator	9691 kg (21,320 lb.)	10 156 kg (22,343 lb.)
Optional Components		
Cab With Pressurizer and Heater/Air Conditioner	306 kg (675 lb.)	306 kg (675 lb.)
ROPS Canopy		
Heater	39 kg (85 lb.)	39 kg (85 lb.)
Front and Door Screens	81 kg (179 lb.)	81 kg (179 lb.)
Rear Screen	34 kg (76 lb.)	34 kg (76 lb.)
Side Screens	43 kg (94 lb.)	43 kg (94 lb.)
Limb Risers (ROPS canopy and cab)	104 kg (229 lb.)	104 kg (229 lb.)
Counterweight		
Front	109 kg (240 lb.)	109 kg (240 lb.)
Rear	150 kg (330 lb.)	150 kg (330 lb.)
Retrieval Hitch	23 kg (50 lb.)	23 kg (50 lb.)
Drawbar, Extended Rigid	33 kg (72 lb.)	33 kg (72 lb.)
Winch	652 kg (1,437 lb.)	652 kg (1,437 lb.)
Fairlead, 4 Roller	85 kg (187 lb.)	85 kg (187 lb.)
Center Chain Guides	41 kg (90 lb.)	41 kg (90 lb.)
Full-Length Rock Guards	98 kg (216 lb.)	98 kg (216 lb.)
Maximum Life Undercarriage	182 kg (400 lb.)	182 kg (400 lb.)
Track Shoes		
457 mm (18 in.)	In base	
457 mm (18 in.) 510 mm (20 in.)		 _344 kg (_760 lb.)
· · · · ·	83 kg (183 lb.)	5
610 mm (24 in.) 710 mm (28 in.)	-	–172 kg (–380 lb.)
	_	In base

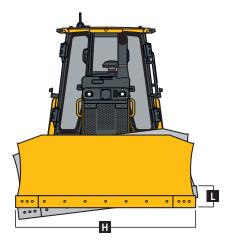
Machine Dimensions	650K XLT / 650K LGP
Blade Type	Power-Angle-Tilt (PAT)
A Overall Height to Roof	2762 mm (9 ft. 1.25 in.)
B Tread Depth With Single-Bar Grouser	49 mm (1.9 in.)
C Ground Clearance in Dirt	341 mm (13.5 in.)
D Overall Length	4255 mm (168 in.) (14 ft. 0 in.)
E Blade Lift Height	818 mm (32.2 in.)
F Blade Digging Depth	500 mm (19.7 in.)
G Blade Cutting-Edge Angle, Adjustable	52 to 60 deg.

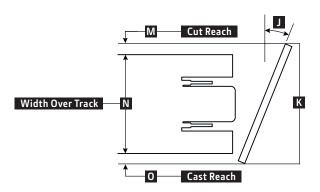


650K XLT / 650K LGP WITH POWER-ANGLE-TILT (PAT) BLADE

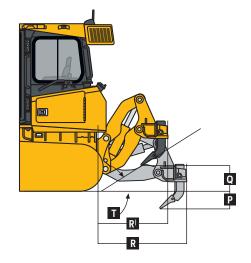
Machine Dimensions (continued)	650K XLT	650K LGP	
Straight			
H Blade Width	2667 mm (105 in.) (8 ft. 9 in.)	2921 mm (115 in.) (9 ft. 7 in.)	
I Blade Height	1067 mm (3 ft. 6 in.)	955 mm (3 ft. 2 in.)	
SAE Capacity	2.2 m³ (2.9 cu. yd.)	2.0 m³ (2.6 cu. yd.)	
Weight	603 kg (1,330 lb.)	628 kg (1,385 lb.)	
C-Frame Assembly Weight (without blade)	399 kg (879 lb.)	399 kg (879 lb.)	
J Blade Angle	22.2 deg.	22.2 deg.	
K Overall Width With Blade Angled	2469 mm (8 ft. 1 in.)	2705 mm (8 ft. 11 in.)	
L Blade Tilt (uses tilt jack)	363 mm (14.3 in.)	399 mm (15.7 in.)	
M Cut Reach	117 mm (4.6 in.)	5 mm (0.2 in.)	
N Width Over Track	2007 mm (6 ft. 7 in.)	2464 mm (8 ft. 1 in.)	
O Cast Reach	345 mm (13.6 in.)	236 mm (9.3 in.)	
Straight (option)			
H Blade Width	2921 mm (115 in.) (9 ft. 7 in.)	3150 mm (124 in.) (10 ft. 4 in.)	
I Blade Height	955 mm (3 ft. 2 in.)	894 mm (35 in.)	
SAE Capacity	2.0 m³ (2.6 cu. yd.)	1.9 m³ (2.5 cu. yd.)	
Weight	628 kg (1,385 lb.)	631 kg (1,391 lb.)	
C-Frame Assembly Weight (without blade)	399 kg (879 lb.)	399 kg (879 lb.)	
J Blade Angle	22.2 deg.	22.2 deg.	
K Overall Width With Blade Angled	2705 mm (8 ft. 11 in.)	2916 mm (9 ft. 7 in.)	
L Blade Tilt (uses tilt jack)	399 mm (15.7 in.)	429 mm (16.9 in.)	
M Cut Reach	234 mm (9.2 in.)	112 mm (4.4 in.)	
N Width Over Track	2007 mm (6 ft. 7 in.)	2464 mm (8 ft. 1 in.)	
O Cast Reach	465 mm (18.3 in.)	340 mm (13.4 in.)	

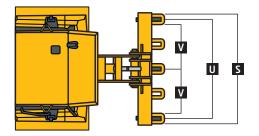
Machine Dimensions (continued)	650K XLT	650K LGP
Blade Type	PAT	PAT
Straight (option)		
H Blade Width	3150 mm (124 in.) (10 ft. 4 in.)	3251 mm (128 in.) (10 ft. 8 in.)
I Blade Height	894 mm (35 in.)	955 mm (3 ft. 2 in.)
SAE Capacity	1.9 m³ (2.5 cu. yd.)	2.2 m³ (2.9 cu. yd.)
Weight	631 kg (1,391 lb.)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





R	ear Ripper	650K XLT / 650K LGP
	Iulti-shank parallelogram ripper with 5 pc	
W	/eight	981 kg (2,163 lb.)
Ρ	Maximum Penetration	508 mm (20 in.)
Q	Maximum Clearance Under Tip	508 mm (20 in.)
	Overall Length, Lowered Position	1450 mm (57 in.) (4 ft. 9 in.)
	Overall Length, Raised Position	1015 mm (40 in.) (3 ft. 4 in.)
	Overall Beam Width	1830 mm (6 ft. 0 in.)
Т	Slope Angle (full raise)	40 deg.
U	Ripping Width	1670 mm (5 ft. 6 in.)
۷	Distance Between Shanks	806 mm (32 in.)





Additional equipment

450K	550K	650K	Engine
	D		Meets EPA Final Tier 4/EU Stage IV
-	-	-	emissions
			Electronic control with automatic
			engine protection
•	•	•	Dual safety element dry-type air
			cleaner, evacuator valve
•	•	•	Exhaust filter, under hood, with
-	-		vertical stack
•	•	•	Engine glow-plug starting system
•	•	•	Programmable auto engine shutdown
•		•	Automatic turbo cool-down timer
•	•	•	Wet-sleeve cylinder liners
			Remote-mounted fuel filters with
-	-	-	automatic electronic priming
			Engine coolant heater, 110 volts
			Engine coolant heater, fuel fired
			Chrome exhaust
			Rotary ejector engine air pre-cleaner
			Fluid-sample valves
			Quick-service ports
			Severe-duty 400-mL (13.5 oz.)
			fuel filter and water separator
			with heating element
			Cooling
•	٠		Blower-type, direct-drive cooling fan
		•	Variable-speed suction fan with
			optional reversing feature
			Automatic, programmable reversing- fan-drive fan
			Enclosed safety fan guard (conforms
•	•	•	to SAE J1308 and ISO3457)
•			Perforated engine side shields
			Heavy-duty perforated grille
•	•	•	Heavy-duty, trash-resistant radiator
			and high-ambient cooling package
			Extreme-duty perforated grille with
			light guard
			Powertrain
•	•	•	Remote diagnostic test ports Automatic cold-weather trans-
•	•	•	mission warmup system
•			Automatic transmission derating
-	-		for exceeded system temperatures
			Environmental service drains
•	•	•	2,000-hour vertical spin-on trans-
			mission filter
			Hydraulic System
•	•	•	3-function hydraulics
•	•	•	2,000-hour vertical spin-on
			hydraulic filter

Key: ● Standard ▲ Optional or special

*See your John Deere dealer for further information.

457-mm (18 in.) moderate service 510-mm (20 in.) moderate service with

610-mm (24 in.) moderate service 710-mm (28 in.) moderate service with

(conform to SAE J386)

Air conditioner, 24,000 Btu

Wipers (intermittent plus 2 speeds) and washers - front window, left and

Deluxe heated and leather-bolstered

AM/FM/Weather Band (WB) radio,

clock, and MP3 player front plug-in USB port and Bluetooth® mic

Multifunction/multi-language LCD monitor: Analog display (fuel level, coolant temperature, and engine oil pressure) / Digital display (engine rpm, charge pressure, hours, DPF soot level, and transmission direction/speed range)

Radio-area storage slot Sealed alternator, 100 amps Lockable master electrical disconnect

Cup holders (2)

compartment

Tinted glass

Dome light Heater (roof mount)

right doors Rear wiper and washer

air-ride seat Under-seat heater

switch

Air-ride vinyl seat Air-ride fabric seat

Operator's Station / Electrical Retractable seat belts, 76 mm (3 in.)

Accessories: Convex wide-angle interior rearview mirror / Thigh cushions (2) /

Power port (cab includes two power ports) Lockable dash-mounted storage

XLT LGP

Canopy

650K Shoes

clipped corners

clipped corners

Cab

450K	550	K 650K	Hydraulic System (continued)
			4-function hydraulics with rear
			plumbing
			Drive-through hydraulic pump
			for use with winch
			Grade-control-ready electro-
			hydraulics (EH) Mainframe, Access Panels
•	•	•	Front tow loop, bolt-on
			Reinforced engine and mid-frame
•		•	bottom guards
٠	٠	٠	Integral transmission guard
	•	•	Vandal protection: Engine access
			door / Side tank access doors /
			Fuel tank / Instrument panel /
			Transmission reservoir / Hydraulic
			reservoir Attachments
			Counterweight, front, 109 kg
-	-	-	(240 lb.)
			Counterweight, rear, 150 kg
			(330 lb.)
			Retrieval hitch with pin
			Extended rigid drawbar with pin
			for pull-type implements
			Drawbar, extended for winch (with or without fairlead)
			Ripper, parallelogram with 5 shank
	-	-	pockets and 3 teeth
			, Winch, John Deere, power in/free
			spool out OR power out
			4-roller fairlead for winch
			Root-rake blade attachment
			Rear-mounted toolbox
			Trimble-ready interface package
		A	Topcon-ready interface package
			Leica-ready interface package
-	_	-	Undercarriage
•	•	•	Full-length, smooth-surface track frame covers
			Chain guides, front and rear
•			Maximum Life Undercarriage System
			Extended life undercarriage (SC-2 [™]
		-	bushings)
			Heavy-duty sealed and lubricated
			undercarriage
			Full-length rock guards
STD	LGP	450K Sho	es
٠			(16 in.) moderate service
	•		(24 in.) moderate service
	LGP	550K Sho	
•		457-mm (18 in.) moderate service	
	•	610-mm	(24 in.) moderate service

Built-in diagnostics: Diagnostic-code details / Sensor values / Calibrations / Individual circuit tester Keyless start with multiple security modes Battery, dual, 24 volts

Lights, grille mounted (2), rear mounted (2) Work lights, roof mounted (2)

dealer for details)

- External-mounted attachment mirror
- JDLink[™] wireless communication system (available in specific countries; see your
- 610-mm (24 in.) moderate service



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.