700K/750K/850K DOZERS

93–152 kW (125–205 hp)

JOHN DEERE





It's got your fingerprints all over it.

OK, maybe not **your** fingerprints. But equipment owners and operators like you had a hand in perfecting the re-imagined K-Series. Armed with real-world experience, participants in our Customer Advocate Group (CAG) offered their expertise. We listened and responded with numerous enhancements including additional power and weight for increased productivity. EPA Interim Tier 4/EU Stage IIIB diesel engines for work in nonattainment areas. Spacious redesigned cabs that are noticeably quieter and more comfortable. And best-in-class serviceability features, such as an innovative easy-to-clean "V-cool" package. Add to those the unsurpassed operating ease and maneuverability operators have come to expect from our crawlers, and the K-Series is an obvious choice. To get your hands on them, see your John Deere dealer.

Model	Dozer Blade	Rated Power	Base Weight
700K XLT	Power/Angle/Tilt (PAT)	93 kW (125 hp)	13 710 kg (30,225 lb.)
700K LGP	PAT	93 kW (125 hp)	14 170 kg (31,240 lb.)
750K XLT	PAT	116 kW (155 hp)	15 593 kg (34,377 lb.)
750K LGP	PAT	123 kW (165 hp)	17 053 kg (37,595 lb.)
750K	Outside Dozer (OSD)	123 kW (165 hp)	15 611 kg (34,416 lb.)
850K	OSD	152 kW (205 hp)	19 295 kg (42,538 lb.)
850K WT	OSD	152 kW (205 hp)	19 959 kg (44,002 lb.)
850K LGP	OSD	152 kW (205 hp)	21 684 kg (47,805 lb.)
850K XLT	PAT	139.5 kW (187 hp)	19 785 kg (43,618 lb.)
850K WLT	PAT	152 kW (205 hp)	20 390 kg (44,952 lb.)
850K LGP	PAT	152 kW (205 hp)	20 945 kg (46,176 lb.)





Go beyond the limits of other crawlers.

Packed full of production-boosting advantages, our dozers do more without a lot of extra effort. State-of-the-art electronic controls put an operator in complete command of an arsenal of production-boosting hydrostatic advantages, including power turns, counterrotation, and infinitely variable travel speeds. What's more, Total Machine Control (TMC) allows customized decelerator mode and response, forward/reverse ground-speed, steering modulation, and forward/reverse speed ratios. Nothing runs like a Deere.

When you order your dozer grade-control ready, adding your preferred system is as easy as plugging in the components, calibrating, and going to work. Or choose Topcon and get a factory-installed 3D-MC^2 system.

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

Independent track control speeds up or slows down each side — for smooth, full-power turns. An automatic 10-percent power boost helps carry big blade loads through turns.

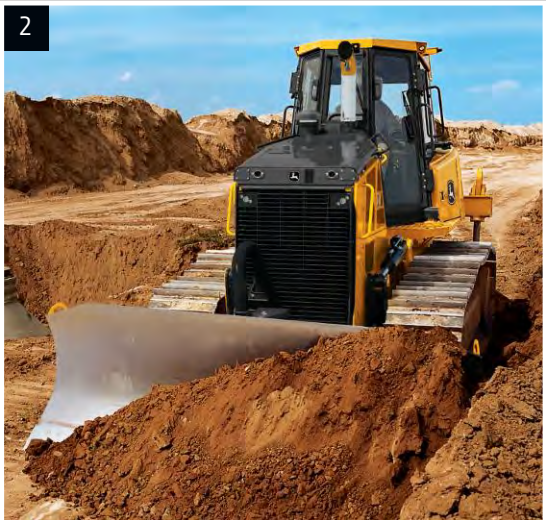
Low-effort controls command the blade and full-featured hydrostatic drivetrain, ensuring predictable response at all times, in all conditions.

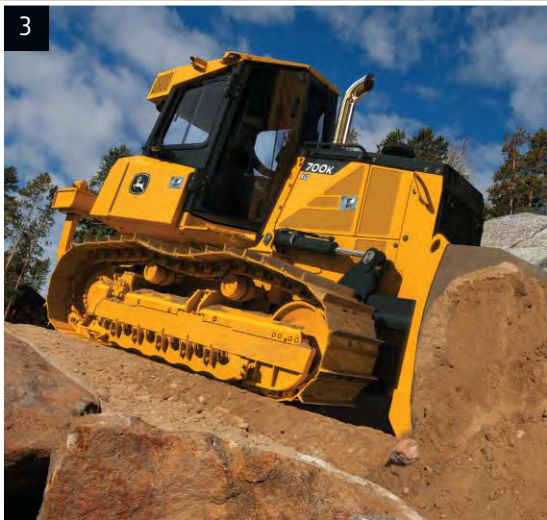
1. These crawlers steer the same and maintain their preset speed whether working on level ground or a 2-to-1 slope. So there's never a need to cross-steer or ride a brake.

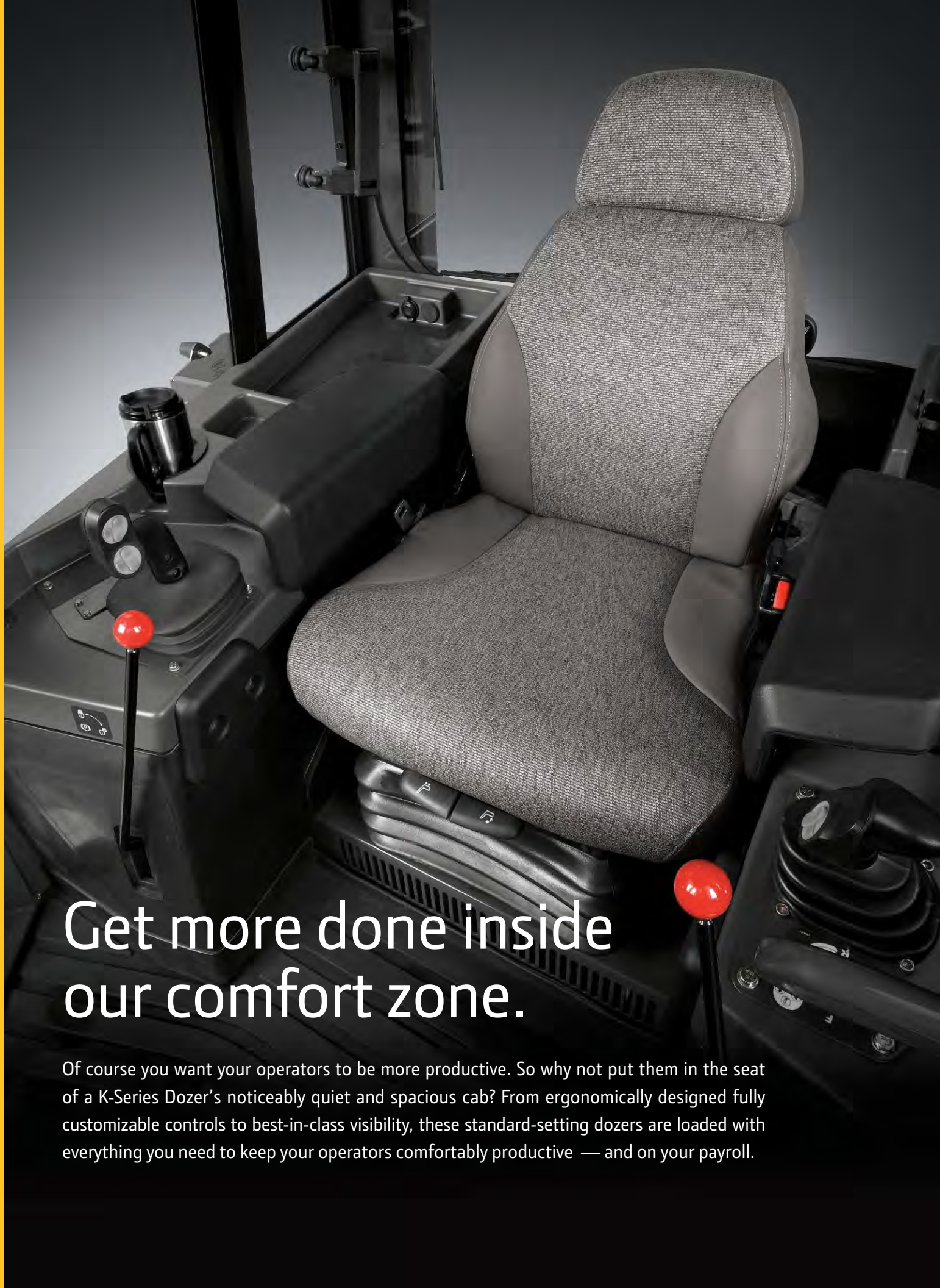
2. Counter rotation is another productivity-boosting feature. It enables an operator to overcome heavy corner loads and quickly reposition the blade on the go. Provides space-saving spot turns, too.

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









Get more done inside our comfort zone.

Of course you want your operators to be more productive. So why not put them in the seat of a K-Series Dozer's noticeably quiet and spacious cab? From ergonomically designed fully customizable controls to best-in-class visibility, these standard-setting dozers are loaded with everything you need to keep your operators comfortably productive — and on your payroll.



1. Sealed-switch module gives fingertip control of keyless start, and enables exclusive features such as turbocharger cool-down and auto shutdown. Touchpad security system requires a numeric pass code (when enabled) to help prevent unauthorized machine operation.

2. Beyond cup holders and cooler storage, there are plenty of places to store stuff. If you're running a grade-control system, the lockable in-dash compartment is ideal for end-of-day storage (or permanent placement) of the monitor.

3. Overhead radio and storage console includes a 12-volt electrical outlet for powering a cell phone or an iPod®.



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Oil-filled cab mounts and extensive insulation effectively isolate operators from vibration and noise. At just 76 dBA, the cab is noticeably quiet.

Standard high-back air-suspension seat and optional deluxe heated and leather-bolstered lower cushion adjust multiple ways for daylong comfort and support. Arm- and footrests also adjust.

Numerous directional vents keep the glass clear and interior comfortable. Pressurized cab helps keep dust out. Air conditioning is standard. For ROPS-only models, an optional under-seat heater helps warm the operator.

Fully modulated hydrostatic drive-train ensures smooth moves, virtually eliminating jerky or abrupt movements.

Ergonomically correct joystick provides intuitive, low-effort control of steering, direction, and ground speed. It's detented so it doesn't require an operator's constant touch or attention, and employs a thumb-actuated travel-speed control switch.

Use the decelerator to slow both ground speed and engine rpm. Or ground speed only to help maintain traction without affecting engine power and hydraulic response. Fully depressing the pedal applies the brakes.

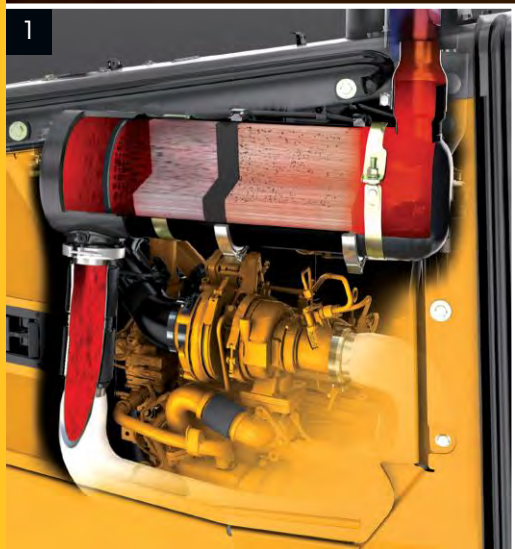
Exclusive Total Machine Control (TMC) monitor lets an operator select decelerator mode and response, forward/reverse ground-speed ranges, steering modulation, FNR shift rate, and forward/reverse speed ratios.

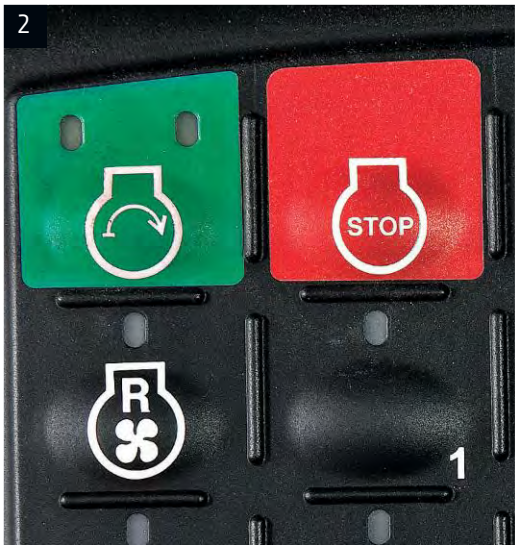
Nothing runs like a Deere, because nothing is built like it.

Designed and built with state-of-the-art tools and techniques by a quality-conscious workforce at our world-class facility in Dubuque, Iowa, the K-Series comes loaded with uptime-boosting features. Enhancements such as our unique V-cool system and EPA IT4/EU Stage IIIB diesel engines — plus traditional John Deere features such as one-piece unitized mainframes, DuraTrax™ undercarriages, wet-sleeve engine liners, and isolated planetary final drives give these dozers the durability you need. When you know how they're built, you'll run these Deere.

1. Our EPA IT4/EU Stage IIIB technology is simple, fuel efficient, fully integrated, and fully supported. It employs field-proven cooled exhaust gas recirculation (EGR) for reducing NO_x, and a diesel particulate filter and diesel oxidation catalyst to reduce particulate matter. Periodic active and passive regeneration automatically cleans the filter without impacting machine productivity.
2. Sealed-switch module keeps out moisture and debris, and virtually never wears out.
3. V-cool design isolates coolers from dust and engine heat for increased efficiency and durability. Positioned behind the heavy-duty grille and fan, coolers are also less vulnerable.

Only our K-Series is available with John Deere WorkSight™. This easy-to-use comprehensive suite of technology increases uptime and productivity while lowering operating costs. JDLink™ machine monitoring provides real-time machine utilization and health data, plus location information. Fleet Care proactively suggests maintenance to correct problems early before they create costly downtime. Service ADVISOR™ Remote enables your dealer to read diagnostic codes, record performance data, and even update software without a trip to the jobsite. And Topcon and other grade-control options make it easy to add your preferred system.









Flush-fit bottom guards and tight-fitting side shields help keep trash out. Hood and side-shield perforations function as a "first filter," further preventing entry of most debris. Anything that gets past the five-mm holes also passes through the cooler cores.

Available extended-life undercarriage delivers up to twice the bushing life, for extra durability in extremely abrasive conditions. If you want to further reduce maintenance and operating costs, choose the SC-2™ extended-life option.

Individually replaceable wet-sleeve engine-cylinder liners provide uniform engine cooling and long-term durability.

Reversing fan (standard on 750K and 850K) automatically back-blows the cooler cores at preset intervals. When conditions demand more frequent cleaning, simply press a button to actuate the reversing cycle.

Variable-speed on-demand fan automatically speeds up or slows down, operating only as needed to keep things cool. Helps conserve power and fuel, while reducing noise.

One-piece welded mainframe resists torsional stress, absorbs shock loads, and delivers maximum strength while allowing easy service access to major components. Heavy-duty double-reduction planetary final drives are mounted independent of the track frames, where they're effectively protected from shock loads.

Engine pre-cleaner with aspiration lines (standard on 750K and 850K) provides higher filter efficiency for longer engine filter service life.

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

Generous hydraulic flow and precise metering ensure powerful and quick blade response, while providing the natural "feel" that enhances any operator's grading ability.

Four position settings on PAT dozers and infinite screw-type adjustment on outside-mount dozers allow you to easily fine-tune blade pitch to maximize productivity.



Precise grades, strong blades.

John Deere dozers enjoy solid reputations as superior grading machines. And for plenty of reasons. Unlike others that utilize the same mainframe with all dozers, our purpose-built design optimizes blade ratio and center of gravity for superior balance. So whether you opt for a power/angle/tilt (PAT) or an outside-mount straight or semi-U blade, you'll profit from uncompromised performance. Durability is also second-to-none. Advantages such as noticeably larger push beams, closed-cell blades, box-section C-frames, and steel-cable-supported Cordura®-covered hydraulic hoses provide long-term stamina and strength.



1. PAT blade's heavy-duty ball-and-socket C-frame joint resists material buildup for long-term grading precision. Blade hoses are steel-cable supported and Cordura covered for extra protection.

2. With heavy-duty high-profile push beams and a three-position pitch-adjustable semi-U blade, the outside-mount dozer delivers exceptional durability and high-production performance.

3. Heavy-duty cross-members provide solid lateral support and are shaped to allow a clear view of the bottom of the blade. What's more, their raised position allows generous clearance at the end of the push.

4. Greaseless shim-adjustable clamshell bearings in front and rear joints of the push beams ensure a tight connection for low-maintenance, "like-new" grading performance.

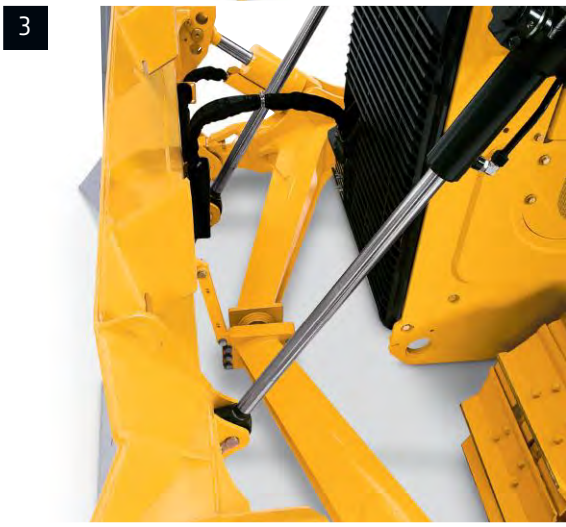
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Choose the undercarriage and dozer options that are right for your work.

Model	Dozer Blade	Grouser Width
700K XLT	PAT	560 mm (22 in.)
700K LGP	PAT	760 mm (30 in.)
750K XLT	PAT	560 mm (22 in.)
750K LGP	PAT	865 mm (34 in.)
750K	OSD	560 mm (22 in.)
850K	OSD	610 mm (24 in.)
850K WT	OSD	760 mm (30 in.)
850K LGP	OSD	910 mm (36 in.)
850K XLT	PAT	610 mm (24 in.)
850K WLT	PAT	760 mm (30 in.)
850K LGP	PAT	910 mm (36 in.)



Configured, not compromised.

Yours isn't just any business. Why settle for just any crawler? With a choice of five undercarriage configurations, inside-mount PAT or outside-mount straight or semi-U blades, and numerous other options, building a John Deere dozer your way is the way we do business. These highly versatile machines can also be equipped with special-duty and severe-application packages that help them thrive on a wide variety of jobsites. And tackle tasks that other crawlers can't. Ask your dealer for details.

Our “open-architecture” design lets you employ your preferred grade-control system. Wiring harnesses, sensor mounts, control valves, and monitor bracket are factory installed, so adding a system is quick and noninvasive. For the most seamless solution, choose Topcon and get a factory-installed 3D-MC^2 grade-control system that’s ready to go when you take delivery of your dozer.

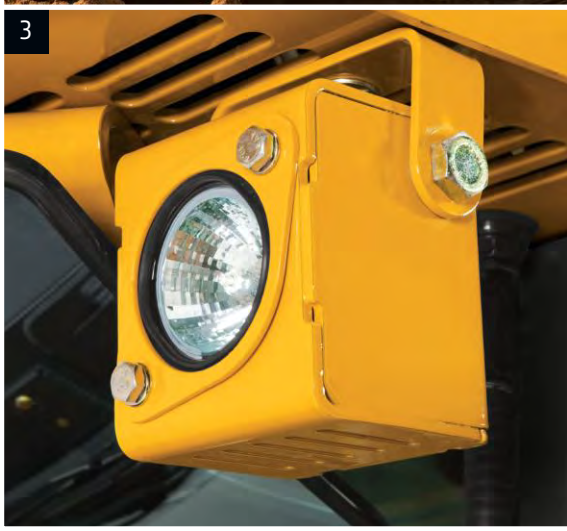
1. Protection packages and waste-handler configurations equip these dozers to survive, even thrive, in tough environments.

2. With their hydrostatic drivetrains and impressive drawbar pull, our dozers work well with rear-mount attachments such as rippers and cable plows.

3. High-intensity halogen driving lights are standard. But if you want to extend your workday beyond daylight, opt for the 360-degree light package.

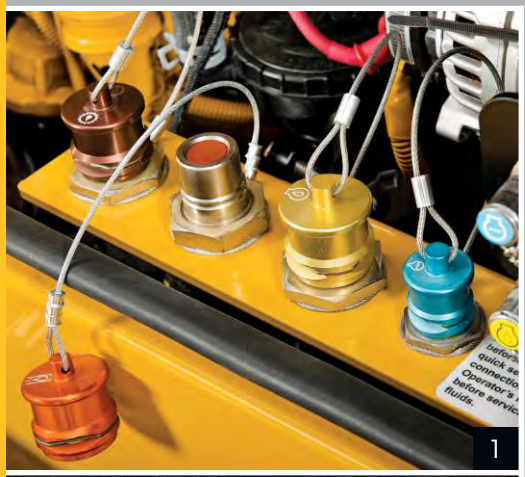






Designed with an open mind.

It takes only minutes to uncover the many ways our re-imagined K-Series helps minimize maintenance. Side shields swing open wide to reveal convenient same-side daily service points. An exclusive tilt-out fan box allows simplified access to cooler cores for quick cleanout. Other periodic service tasks such as fluid and filter changes are also refreshingly easy. Even gaining access to drivetrain components takes only minutes. As you can see, when it comes to keeping uptime up and daily operating costs down, we're pretty open-minded.

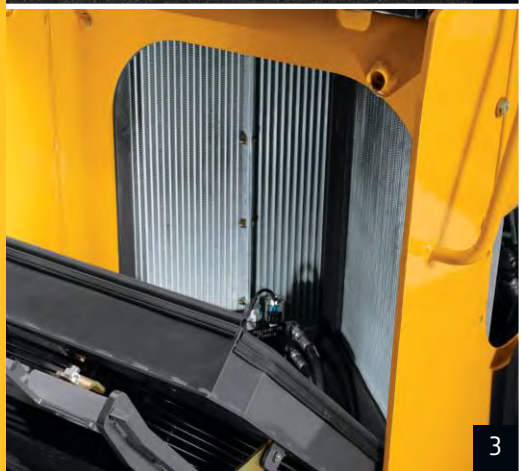

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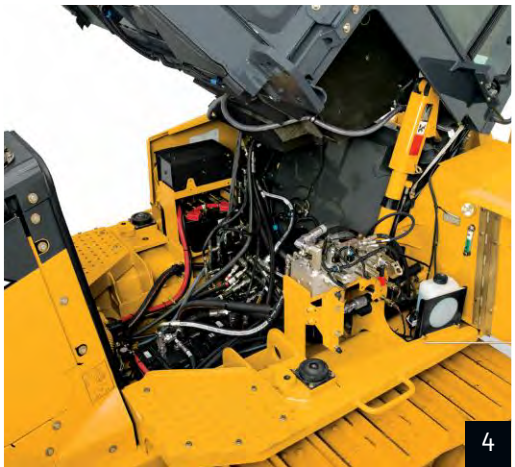


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1. Available quick fluid-evacuation system helps speed servicing. 500-hour engine oil and 2,000-hour transmission and hydraulic fluid intervals decrease downtime and expense.
2. Exhaust filter operation and status are indicated with icons and on-screen displays. The diagnostic monitor also provides easy-to-understand messages that help speed troubleshooting.
3. Innovative V-cool design provides convenient access to both sides of the coolers for easy cleanout. Hydraulically driven fan runs only as needed, reducing fuel consumption and debris flow through the cores.
4. Operator station tilts a full 70 degrees in only minutes, for wide-open drivetrain component access.
5. Fluid-sample and diagnostic test ports simplify preventive-maintenance work and troubleshooting for increased uptime.


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Hinged side shields swing open wide for convenient access to dipsticks; fill tubes; batteries; master electrical shutoff; and engine, transmission, and hydraulic filters.

Heavy-duty recessed belly guards allow easy access to the engine oil pan for fast service.

Advanced diagnostic monitor provides easy-to-understand messages to help speed troubleshooting.

Sealed hydraulic and hydrostatic reservoirs are separate, eliminating any possibility of cross-contamination.

Remote lube banks provide easy access to difficult-to-reach crossbar and C-frame pivots. Convenient color-coded lube chart ensures that nothing gets overlooked.

Vertical filters allow quick, no-spill changes. Engine, hydraulics, and transmission utilize a common oil, further simplifying service.

Diesel particulate filter is easily removed through the top of the engine compartment. Minimum service interval is 5,000 hours and can be done by your John Deere dealer.

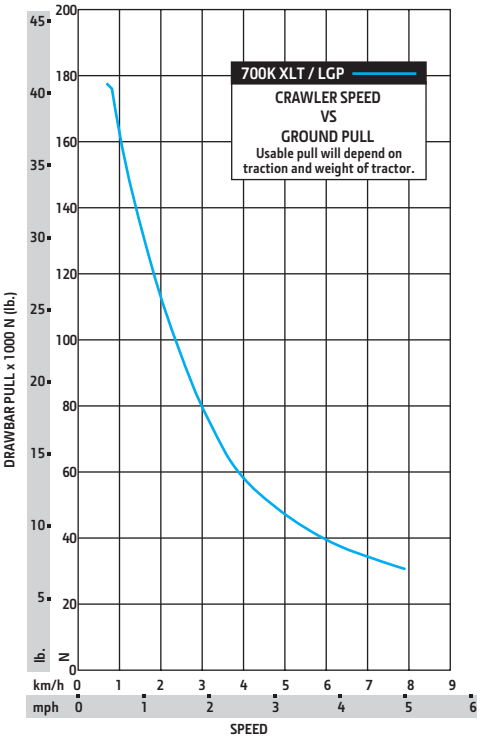
Did you hear the one about the service technician who showed up with the right part — without first having seen the machine? It's possible with Service ADVISOR Remote. So are system software updates via JDLink. See your dealer for details about this brave new world of remote diagnostics and repair.





700K

Engine	700K XLT / 700K LGP
Blade Type	***Power/Angle/Tilt (PAT)***
Manufacturer and Model	John Deere PowerTech™ PVX 6068
Non-Road Emissions Standard	EPA Interim Tier 4/EU Stage IIIB
Displacement	6.8 L (414 cu. in.)
SAE Net Rated Power	93 kW (125 hp) at 1,800 rpm
Net Peak Torque	563 Nm (416 lb.-ft.) at 1,300 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 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 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	47 573 kPa (6,900 psi)
Travel Speeds	
Forward and Reverse	8.9 km/h (5.5 mph)
Maximum (optional)	9.7 km/h (6.0 mph)
Steering	Single-lever steering, speed, direction control, and counter rotation; full power turns and infinitely variable track speeds provide unlimited maneuverability and optimum control; hydrostatic 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	33.59 to 1
Drawbar Pull	
Maximum	200 kN (45,000 lb.)
At 1.9 km/h (1.2 mph)	116 kN (26,000 lb.)
At 3.2 km/h (2.0 mph)	74 kN (16,600 lb.)
Brakes	
Service	Hydrostatic (dynamic) braking stops the machine whenever the direction-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 wear out or need for adjustment

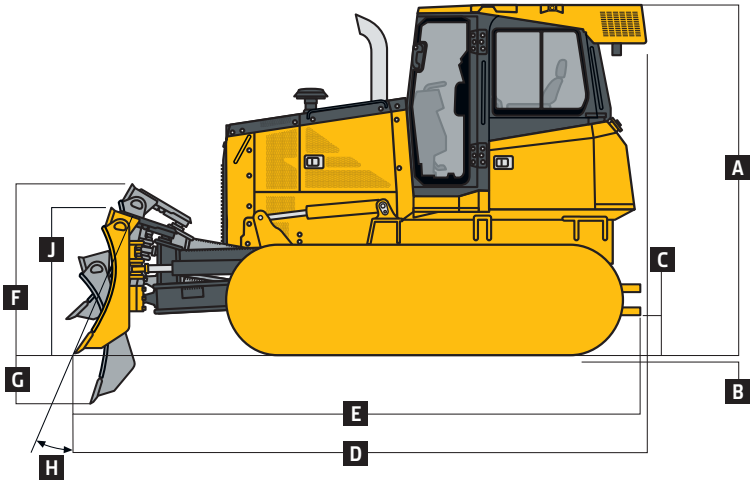


Hydraulics	
Type	Open-center hydraulic system with fixed-displacement gear pump
Pump Displacement	44 cc
System Relief Pressure	22 063 kPa (3,200 psi)
Maximum Flow at Unloaded High Idle	95 L/m (25 gpm)
Control	3-function direct-acting T-bar joystick

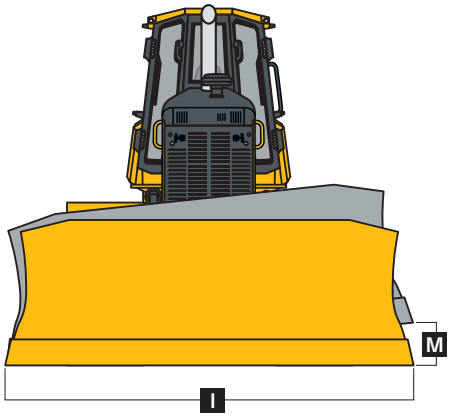


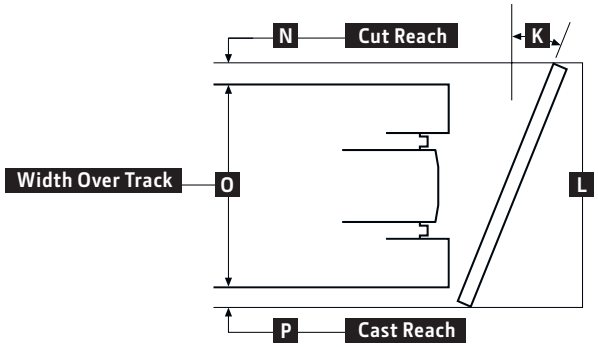
Electrical	700K XLT / 700K LGP	
Voltage	24 volts	
Battery Capacity	950 CCA	
Reserve Capacity	190 min.	
Alternator Rating		
Cab	130 amp	
Canopy	100 amp	
Lights	Grille mounted (2), rear mounted (2), and rear reflectors (2)	
Undercarriage	**700K XLT**	**700K LGP**
Blade Type	***PAT***	***PAT***
Tracks	John Deere Dura-Trax™ features large deep-heat-treated components; pins and bushings are sealed for life; rollers and idlers are permanently sealed and lubricated; sprockets are segmented; full-length track-frame covers reduce material buildup and ease cleaning	
Track Gauge	1778 mm (70 in.)	1981 mm (78 in.)
Grouser Width	560 mm (22 in.)	760 mm (30 in.)
Chain	Sealed and lubricated	Sealed and lubricated
Shoes, Each Side	39	39
Track Rollers, Each Side	7	7
Track Length On Ground	2590 mm (102 in.)	2590 mm (102 in.)
Ground Contact Area	29 946 cm^2 (4,487 sq. in.)	39 472 cm^2 (6,118 sq. in.)
Ground Pressure	46.4 kPa (6.74 psi)	35.2 kPa (5.11 psi)
Track Pitch	191 mm (7.5 in.)	191 mm (7.5 in.)
Oscillation at Front Roller	± 94 mm (± 3.7 in.)	± 94 mm (± 3.7 in.)
Operator Station	**700K XLT / 700K LGP**	
ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005)		
Serviceability		
Refill Capacities		
Fuel Tank with Lockable Cap	284 L (75 gal.)	
Cooling System with Recovery Tank	33.4 L (8.8 gal.)	
Engine Oil with Filter	24.6 L (6.5 gal.)	
Transmission Reservoir with Filter	68.9 L (18.2 gal.)	
Hydraulic Reservoir and Filter	53.8 L (14.2 gal.)	
Operating Weights	**700K XLT**	**700K LGP**
Blade Type	***PAT***	***PAT***
Base Weight (with standard equipment, rollover protective structure [ROPS], full fuel tank, and 79-kg [175 lb.] operator)	13 710 kg (30,225 lb.)	14 170 kg (31,240 lb.)
Optional Components		
Cab with Pressurizer and Heater/Air Conditioner	288 kg (635 lb.)	288 kg (635 lb.)
Heater (ROPS canopy)	39 kg (85 lb.)	39 kg (85 lb.)
Front and Door Screens		
ROPS Canopy	54 kg (120 lb.)	54 kg (120 lb.)
Cab with Air Conditioner	68 kg (151 lb.)	68 kg (151 lb.)
Rear Screen		
ROPS Canopy	20 kg (45 lb.)	20 kg (45 lb.)
Cab with Air Conditioner	41 kg (91 lb.)	41 kg (91 lb.)
Side Screens		
ROPS Canopy	54 kg (120 lb.)	54 kg (120 lb.)
Cab with Air Conditioner	68 kg (151 lb.)	68 kg (151 lb.)
Limb Risers (ROPS canopy and cab)	155 kg (341 lb.)	155 kg (341 lb.)
Front Counterweight	172 kg (380 lb.)	172 kg (380 lb.)
Retrieval Hitch	31 kg (68 lb.)	31 kg (68 lb.)
Drawbar, Extended Rigid	88 kg (195 lb.)	88 kg (195 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	130 kg (287 lb.)	130 kg (287 lb.)
Maximum Life Undercarriage	373 kg (822 lb.)	373 kg (822 lb.)
Shoes		
560-mm (22 in.) Track	In base	– 493 kg (– 1,086 lb.)
610-mm (24 in.) Track	—	– 371 kg (– 818 lb.)
760-mm (30 in.) Track	—	In base
760-mm (30 in.) Swamp	—	– 14 kg (– 31 lb.)

Machine Dimensions		700K XLT	700K LGP
Blade Type		*PAT*	*PAT*



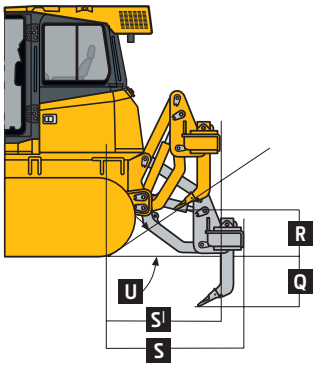
A	Overall Height to Roof	2936 mm (9 ft. 8 in.)	2936 mm (9 ft. 8 in.)
B	Tread Depth with Single-Bar Grouser	56 mm (2.2 in.)	56 mm (2.2 in.)
C	Ground Clearance in Dirt	393 mm (15.5 in.)	393 mm (15.5 in.)
D	Overall Length	4815 mm (15 ft. 9 in.)	4815 mm (15 ft. 9 in.)
E	Length with Extended Drawbar	5033 mm (16 ft. 6 in.)	5033 mm (16 ft. 6 in.)
F	Blade Lift Height	991 mm (39 in.) (3 ft. 3 in.)	991 mm (39 in.) (3 ft. 3 in.)
G	Blade Digging Depth	533 mm (21 in.)	533 mm (21 in.)
H	Blade Cutting-Edge Angle, Adjustable	52 to 60 deg.	52 to 60 deg.

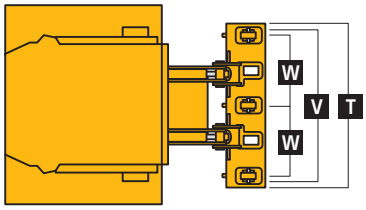




Straight			
I	Blade Width	3048 mm (120 in.) (10 ft. 0 in.)	3353 mm (132 in.) (11 ft. 0 in.)
J	Blade Height	991 mm (39 in.) (3 ft. 3 in.)	991 mm (39 in.) (3 ft. 3 in.)
	SAE Capacity	2.6 m^3 (3.4 cu. yd.)	2.9 m^3 (3.8 cu. yd.)
	Weight	747 kg (1,646 lb.)	810 kg (1,785 lb.)
	C-Frame Assembly Weight (without blade)	663 kg (1,461 lb.)	663 kg (1,461 lb.)
K	Blade Angle	25 deg.	25 deg.
L	Overall Width with Blade Angled	2769 mm (109 in.)	3073 mm (121 in.)
M	Blade Tilt (uses tilt jack)	432 mm (17 in.)	457 mm (18 in.)
N	Cut Reach	25 mm (1 in.)	– 25 mm (– 1 in.)
O	Width Over Track	2337 mm (92 in.)	2743 mm (108 in.)
P	Cast Reach	381 mm (15 in.)	330 mm (13 in.)

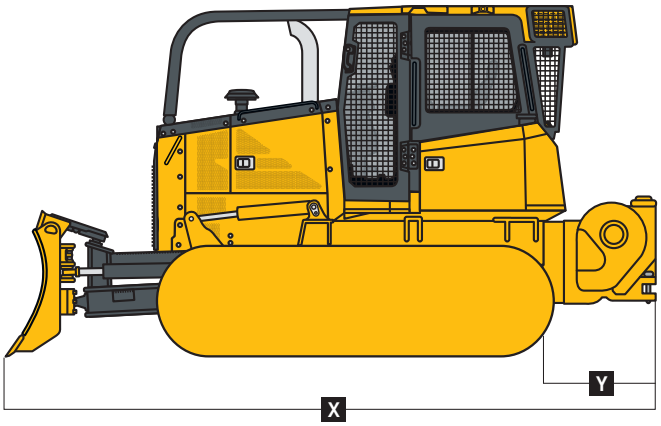
Rear Ripper	700K XLT / LGP





Multi-shank parallelogram ripper with 5 pockets and 3 shanks		
	Weight	1444 kg (3,183 lb.)
Q	Maximum Penetration	563 mm (22 in.)
R	Maximum Clearance Under Tip	584 mm (23 in.)
S	Overall Length, Lowered Position	1494 mm (59 in.)
S'	Overall Length, Raised Position	1210 mm (48 in.)
T	Overall Beam Width	1930 mm (6 ft. 4 in.)
U	Slope Angle (full raise)	26 deg.
V	Ripping Width	1673 mm (5 ft. 6 in.)
W	Distance Between Shanks	806 mm (32 in.)

4000S Winch

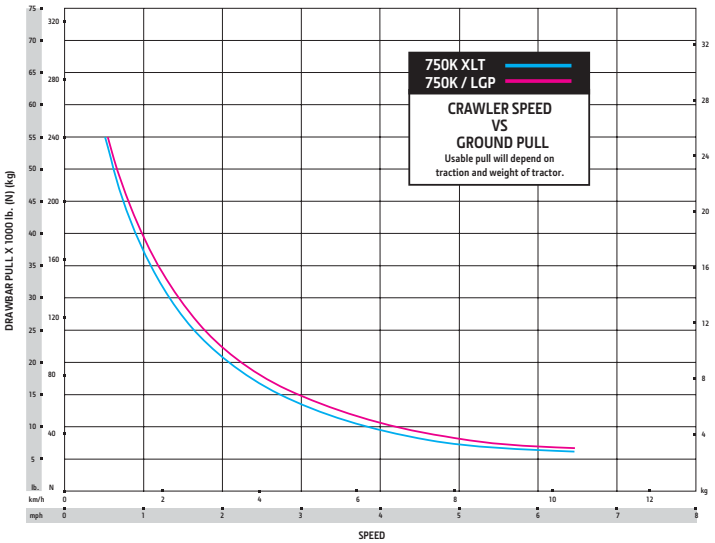


X	Overall Length with Winch	5395 mm (17 ft. 8 in.)
Y	Winch Length	798 mm (31 in.)



750K

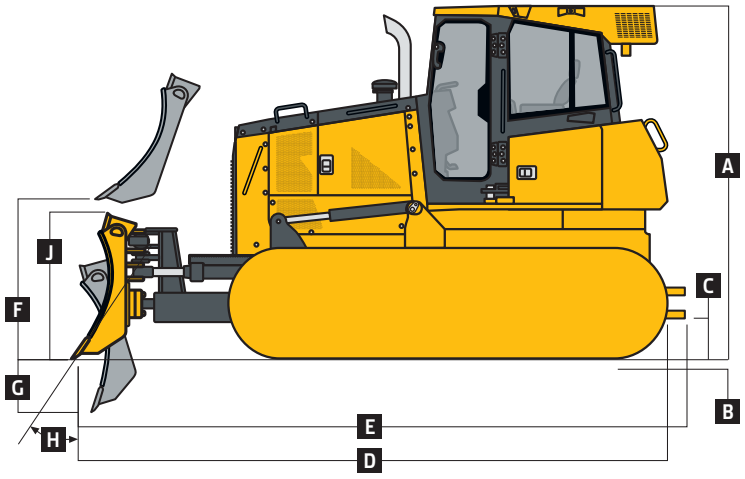
Engine	750K XLT	750K LGP	750K
Blade Type	***Power/Angle/Tilt (PAT)***	***Power/Angle/Tilt (PAT)***	***Outside Dozer Blade (OSD)***
Manufacturer and Model	John Deere PowerTech™ PVX 6068	John Deere PowerTech PVX 6068	John Deere PowerTech PVX 6068
Non-Road Emissions Standard	EPA Interim Tier 4/EU Stage IIIB	EPA Interim Tier 4/EU Stage IIIB	EPA Interim Tier 4/EU Stage IIIB
Displacement	6.8 L (414 cu. in.)	6.8 L (414 cu. in.)	6.8 L (414 cu. in.)
SAE Net Rated Power	116 kW (155 hp) at 1,800 rpm	123 kW (165 hp) at 1,800 rpm	123 kW (165 hp) at 1,800 rpm
Net Peak Torque	720 Nm (531 lb.-ft.) at 1,400 rpm	768 Nm (567 lb.-ft.) at 1,400 rpm	768 Nm (567 lb.-ft.) at 1,400 rpm
Aspiration	Turbocharged with charge air cooler	Turbocharged with charge air cooler	Turbocharged with charge air cooler
Air Cleaner	Vacuum-aspirated dual-element dry canister	Vacuum-aspirated dual-element dry canister	Vacuum-aspirated dual-element dry canister
Cooling	**750K XLT / 750K LGP / 750K**		
Type	Variable-speed suction fan with automatic reversing		
Engine Coolant Rating	–37 deg. C (–34 deg. F)		
Engine Radiator	10 fins per in.		
Powertrain	**750K XLT**	**750K LGP / 750K**	
Transmission	Automatic, dual-path, hydrostatic 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 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	45 850 kPa (6,650 psi)	45 850 kPa (6,650 psi)	
Travel Speeds			
Forward and Reverse	9.7 km/h (6.0 mph)	9.7 km/h (6.0 mph)	
Maximum (optional)	11.0 km/h (6.8 mph)	11.0 km/h (6.8 mph)	
Steering	Single-lever steering, speed, direction control, and counterrotation; full power turns and infinitely variable track speeds provide unlimited maneuverability and optimum control; hydrostatic steering eliminates steering clutches and brakes		
Final Drives	Double-reduction, planetary final drives mounted independently of track frames and dozer push frames for isolation from shock loads		
Total Ratio	46.41 to 1	46.41 to 1	
Drawbar Pull			
Maximum	245 kN (55,000 lb.)	245 kN (55,000 lb.)	
At 1.9 km/h (1.2 mph)	147 kN (33,000 lb.)	156 kN (35,000 lb.)	
At 3.2 km/h (2.0 mph)	93 kN (21,000 lb.)	98 kN (22,000 lb.)	





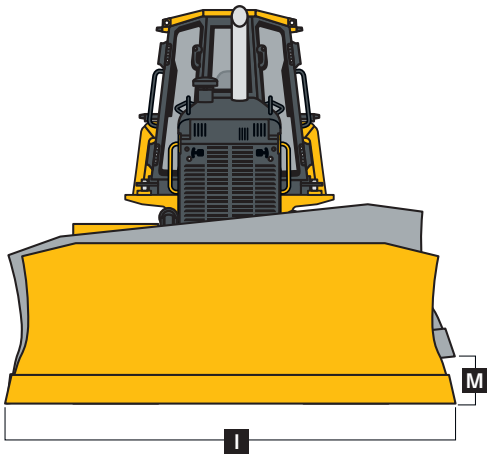
Powertrain ***(continued)***	**750K XLT / 750K LGP / 750K**		
Brakes			
Service	Hydrostatic (dynamic) braking stops the machine whenever the direction-control lever is moved to neutral or the decelerator is depressed to the detent		
Parking	Exclusive spring-applied, hydraulically released park brake 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 wear-out or need for adjustment		
Hydraulics	**750K XLT / 750K LGP**		**750K**
Blade Type	***PAT***		***OSD***
Type	Load sense hydraulic system with variable-displacement piston pump		Load sense hydraulic system with variable-displacement piston pump
Pump Displacement	63 cc		63 cc
System Relief Pressure	24 993 kPa (3,625 psi)		24 993 kPa (3,625 psi)
Differential Pressure	1896 kPa (275 psi)		1896 kPa (275 psi)
Maximum Flow at Unloaded High Idle	138 L/m (36 gpm)		138 L/m (36 gpm)
Control	3-function hydraulic-pilot T-bar joystick with push-button angle function		2-function hydraulic-pilot T-bar joystick
Electrical	**750K XLT / 750K LGP / 750K**		
Voltage	24 volts		
Battery Capacity	950 CCA		
Reserve Capacity	190 min.		
Alternator Rating			
Cab	130 amp		
Canopy	100 amp		
Lights	Grille mounted (2), rear mounted (2), engine compartment (1), and rear reflectors (2)		
Undercarriage	**750K XLT**	**750K LGP**	**750K**
Blade Type	***PAT***	***PAT***	***OSD***
Tracks	John Deere Dura-Trax™ features large deep-heat-treated, sealed, and lubricated track links and through-hardened, sealed, and lubricated rollers for maximum wear resistance; sprockets are segmented; extreme-duty shoes are available (on some models) for severe applications		
Track Gauge	1880 mm (74 in.)	2134 mm (84 in.)	1880 mm (74 in.)
Grouser Width	560 mm (22 in.)	865 mm (34 in.)	560 mm (22 in.)
Chain	Sealed and lubricated	Sealed and lubricated	Sealed and lubricated
Shoes, Each Side	45	45	40
Track Rollers, Each Side	8	8	7
Track Length On Ground	3073 mm (121 in.)	3073 mm (121 in.)	2591 mm (102 in.)
Ground Contact Area	34 344 cm^2 (5,323 sq. in.)	53 077 cm^2 (8,227 sq. in.)	28 957 cm^2 (4,488 sq. in.)
Ground Pressure	44.5 kPa (6.46 psi)	31.5 kPa (4.57 psi)	52.9 kPa (7.67 psi)
Track Pitch	191 mm (7.5 in.)	191 mm (7.5 in.)	191 mm (7.5 in.)
Oscillation at Front Roller	± 1135 mm (± 5.3 in.)	± 127 mm (± 5.0 in.)	± 110 mm (± 4.3 in.)
Operator Station	**750K XLT / 750K LGP / 750K**		
ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005)			
Serviceability			
Refill Capacities			
Fuel Tank with Lockable Cap	356 L (94 gal.)		
Cooling System with Recovery Tank	36.4 L (9.6 gal.)		
Engine Oil with Filter	24.6 L (6.5 gal.)		
Transmission Reservoir with Filter	106 L (28 gal.)		
Hydraulic Reservoir and Filter	106 L (28 gal.)		

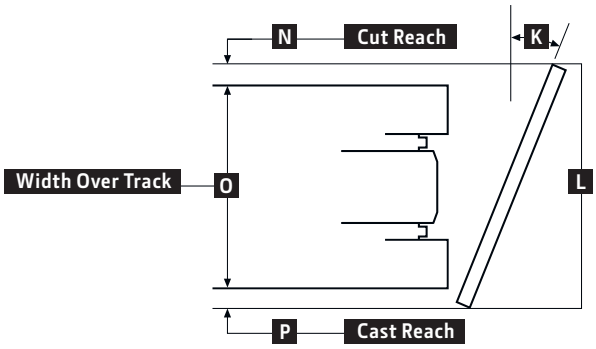
Operating Weights	750K XLT	750K LGP	750K
Blade Type	***PAT***	***PAT***	***OSD***
Base Weight (with standard equipment, rollover protective structure [ROPS], full fuel tank, and 79-kg [175 lb.] operator)	15 593 kg (34,377 lb.)	17 053 kg (37,595 lb.)	15 611 kg (34,416 lb.)
Optional Components			
Cab with Pressurizer and Heater/Air Conditioner	337 kg (743 lb.)	337 kg (743 lb.)	337 kg (743 lb.)
Heater (ROPS canopy)	39 kg (85 lb.)	39 kg (85 lb.)	39 kg (85 lb.)
Front and Door Screens			
ROPS Canopy	84 kg (186 lb.)	84 kg (186 lb.)	84 kg (186 lb.)
Cab with Air Conditioner	79 kg (175 lb.)	79 kg (175 lb.)	79 kg (175 lb.)
Rear Screen			
ROPS Canopy	23 kg (50 lb.)	23 kg (50 lb.)	23 kg (50 lb.)
Cab with Air Conditioner	34 kg (75 lb.)	34 kg (75 lb.)	34 kg (75 lb.)
Side Screens			
ROPS Canopy	44 kg (98 lb.)	44 kg (98 lb.)	44 kg (98 lb.)
Cab with Air Conditioner	54 kg (120 lb.)	54 kg (120 lb.)	54 kg (120 lb.)
Condenser Guard (cab with air conditioner)	55 kg (121 lb.)	55 kg (121 lb.)	55 kg (121 lb.)
Limb Risers (ROPS canopy and cab)	261 kg (575 lb.)	261 kg (575 lb.)	261 kg (575 lb.)
Heavy-Duty Grille	28 kg (62 lb.)	28 kg (62 lb.)	28 kg (62 lb.)
Lift-Cylinder Hose Guards	42 kg (93 lb.)	42 kg (93 lb.)	77 kg (170 lb.)
Tank Guards	323 kg (712 lb.)	323 kg (712 lb.)	323 kg (712 lb.)
Rear Counterweight	326 kg (720 lb.)	326 kg (720 lb.)	326 kg (720 lb.)
Retrieval Hitch	37 kg (81 lb.)	37 kg (81 lb.)	37 kg (81 lb.)
Drawbar, Extended Rigid	130 kg (286 lb.)	130 kg (286 lb.)	130 kg (286 lb.)
Blade Brush Guard	87 kg (192 lb.)	87 kg (192 lb.)	87 kg (192 lb.)
Center Chain Guides	61 kg (135 lb.)	61 kg (135 lb.)	61 kg (135 lb.)
Full-Length Rock Guards	154 kg (340 lb.)	154 kg (340 lb.)	174 kg (384 lb.)
Track Shoes			
560-mm (22 in.) Moderate Duty	In base	—	In base
560-mm (22 in.) Extreme Duty	134 kg (296 lb.)	—	119 kg (263 lb.)
610-mm (24 in.) Moderate Duty	140 kg (309 lb.)	—	125 kg (275 lb.)
610-mm (24 in.) Extreme Duty	289 kg (637 lb.)	—	257 kg (566 lb.)
710-mm (28 in.) Moderate Duty	—	– 418 kg (– 922 lb.)	—
865-mm (34 in.) Moderate Duty	—	In base	—
Machine Dimensions			
Blade Type	***PAT***	***PAT***	***OSD***



A	Overall Height to Roof	3077 mm (10 ft. 1 in.)	3077 mm (10 ft. 1 in.)	3077 mm (10 ft. 1 in.)
B	Tread Depth with Single-Bar Grouser			
	Moderate Duty	56 mm (2.2 in.)	56 mm (2.2 in.)	56 mm (2.2 in.)
	Extreme Duty	69 mm (2.7 in.)	69 mm (2.7 in.)	69 mm (2.7 in.)
C	Ground Clearance in Dirt	356 mm (14 in.)	356 mm (14 in.)	356 mm (14 in.)
D	Overall Length	4921 mm (16 ft. 5 in.)	5246 mm (17 ft. 3 in.)	4937 mm (16 ft. 2 in.)
E	Length with Extended Drawbar	5210 mm (17 ft. 1 in.)	5535 mm (18 ft. 2 in.)	5226 mm (17 ft. 2 in.)
F	Blade Lift Height	1025 mm (40.3 in.)	1025 mm (40.3 in.)	1050 mm (41.3 in.)
G	Blade Digging Depth	650 mm (25.6 in.)	650 mm (25.6 in.)	575 mm (22.6 in.)
H	Blade Cutting-Edge Angle, Adjustable	55.2 to 60.1 deg.	55.2 to 60.1 deg.	50.5 to 60.0 deg.

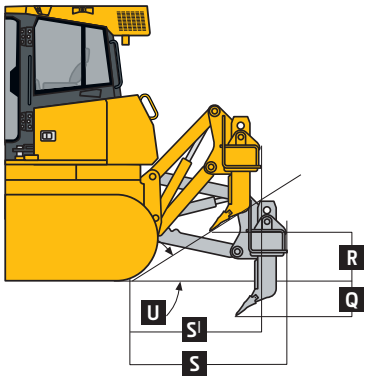
Machine Dimensions *(continued)*	750K XLT	750K LGP	750K
Blade Type	***PAT***	***PAT***	***OSD***

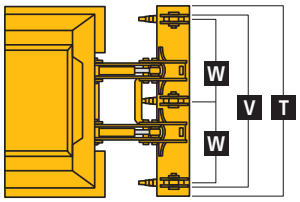




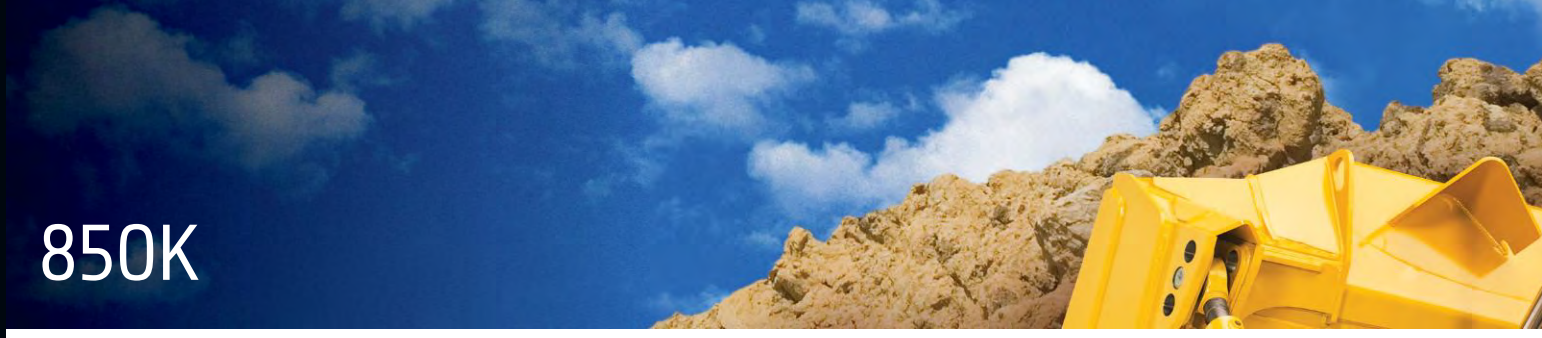
Semi-U				
I	Blade Width	—	—	3251 mm (128 in.) (10 ft. 8 in.)
J	Blade Height	—	—	1240 mm (48.8 in.) (4 ft. 8 in.)
	SAE Capacity	—	—	4.3 m^3 (5.6 cu. yd.)
	Weight	—	—	1163 kg (2,564 lb.)
	Push-Beam Assembly Weight (without blade)	—	—	1470 kg (3,242 lb.)
M	Blade Tilt	—	—	711 mm (28 in.)
O	Width Over Track	—	—	2438 mm (96 in.) (8 ft. 0 in.)
Straight				
I	Blade Width	3296 mm (130 in.) (10 ft. 10 in.)	3962 mm (156 in.) (13 ft. 0 in.)	—
J	Blade Height	1194 mm (47 in.) (3 ft. 11 in.)	1170 mm (46.1 in.) (3 ft. 10.1 in.)	—
	SAE Capacity	2.2 m^3 (4.2 cu. yd.)	3.8 m^3 (5.0 cu. yd.)	—
	Weight	937 kg (2,066 lb.)	1081 kg (2,383 lb.)	—
	C-Frame Assembly Weight (without blade)	1318 kg (2,905 lb.)	1318 kg (2,905 lb.)	—
K	Blade Angle	23.5 deg.	23.5 deg.	—
L	Overall Width with Blade Angled	3020 mm (118.9 in.) (9 ft. 10.9 in.)	3631 mm (142.9 in.) (11 ft. 10.9 in.)	—
M	Blade Tilt (uses tilt jack)	437 mm (17.2 in.)	524 mm (20.6 in.)	—
N	Cut Reach	108 mm (4.3 in.)	84 mm (3.3 in.)	—
O	Width Over Track	2438 mm (96 in.) (8 ft. 0 in.)	2997 mm (118 in.) (9 ft. 10 in.)	—
P	Cast Reach	224 mm (8.8 in.)	297 mm (11.7 in.)	—

Rear Ripper	**750K XLT / 750K LGP / 750K**



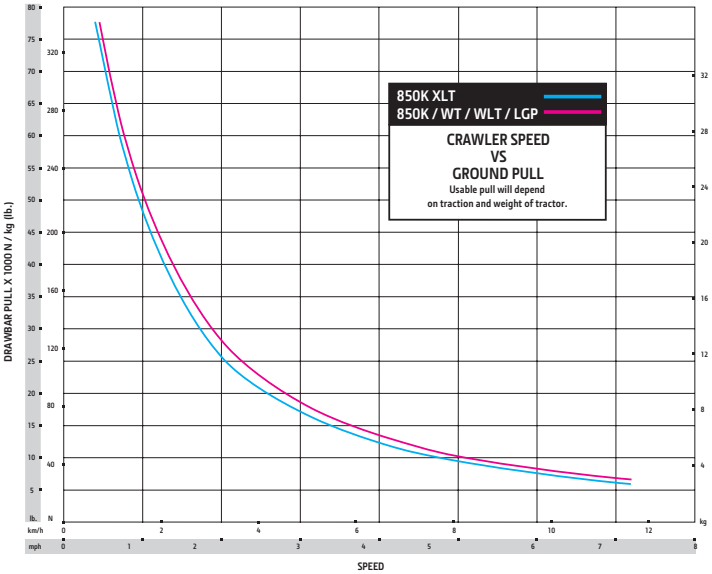


Multi-shank (3) parallelogram ripper with hydraulic pitch adjustment and ESCO® ripper tips	
Weight	1690 kg (3,725 lb.)
Q Maximum Penetration	686 mm (27 in.)
R Maximum Clearance Under Tip	686 mm (27 in.)
S Overall Length, Lowered Position	1689 mm (67 in.)
S1 Overall Length, Raised Position	1448 mm (57 in.)
T Overall Beam Width	2134 mm (7 ft. 0 in.)
U Slope Angle (full raise)	22 deg.
V Ripping Width	1880 mm (6 ft. 2 in.)
W Distance Between Shanks	902 mm (36 in.)



850K

Engine	850K / 850K WT / 850K LGP	850K XLT	850K WLT / 850K LGP
Blade Type	***Outside Dozer Blade (OSD)***	***Power/Angle/Tilt (PAT)***	
Manufacturer and Model	John Deere PowerTech™ PVX 6068	John Deere PowerTech PVX 6068	
Non-Road Emissions Standard	EPA Interim Tier 4/EU Stage IIIB	EPA Interim Tier 4/EU Stage IIIB	
Displacement	6.8 L (414 cu. in.)	6.8 L (414 cu. in.)	6.8 L (414 cu. in.)
SAE Net Rated Power	152 kW (205 hp) at 1,800 rpm	139.5 kW (187 hp) at 1,800 rpm	152 kW (205 hp) at 1,800 rpm
Net Peak Torque	915 Nm (675 lb.-ft.) at 1,500 rpm	829 Nm (611 lb.-ft.) at 1,500 rpm	915 Nm (675 lb.-ft.) at 1,500 rpm
Aspiration	Turbocharged with charge air cooler	Turbocharged with charge air cooler	
Air Cleaner	Vacuum-aspirated dual-element dry canister	Vacuum-aspirated dual-element dry canister	
Cooling	**850K / 850K WT / 850K LGP / 850K XLT / 850K WLT**		
Type	Variable-speed suction fan with automatic reversing		
Engine Coolant Rating	–37 deg. C (–34 deg. F)		
Engine Radiator	10 fins per in.		
Powertrain	**850K / 850K WT / 850K LGP**	**850K XLT**	**850K WLT / 850K LGP**
Blade Type	***OSD***	***PAT***	
Transmission	Automatic, dual-path, hydrostatic 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 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	45,850 kPa (6650 psi)	45,850 kPa (6650 psi)	45,850 kPa (6650 psi)
Travel Speeds			
Forward and Reverse	9.7 km/h (6.0 mph)	9.7 km/h (6.0 mph)	9.7 km/h (6.0 mph)
Maximum (optional)	11.0 km/h (6.8 mph)	11.0 km/h (6.8 mph)	11.0 km/h (6.8 mph)
Steering	Single-lever steering, speed, direction control, and counterrotation; full power turns and infinitely variable track speeds provide unlimited maneuverability and optimum control; hydrostatic steering eliminates steering clutches and brakes		
Final Drives	Double-reduction, planetary final drives mounted independently of track frames and dozer push frames for isolation from shock loads		
Total Ratio	44.75 to 1	44.75 to 1	44.75 to 1
Drawbar Pull			
Maximum	344 kN (77,300 lb.)	344 kN (77,300 lb.)	344 kN (77,300 lb.)
At 1.9 km/h (1.2 mph)	178 kN (40,000 lb.)	167 kN (37,500 lb.)	178 kN (40,000 lb.)
At 3.2 km/h (2.0 mph)	131 kN (29,500 lb.)	120 kN (27,000 lb.)	131 kN (29,500 lb.)



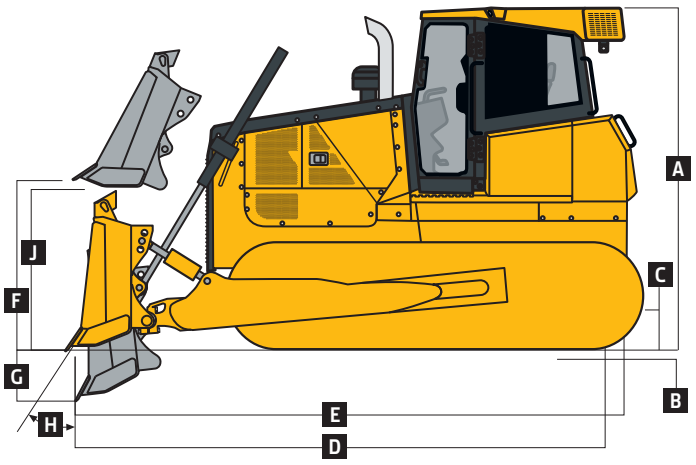
Brakes		
Service	Hydrostatic (dynamic) braking stops the machine whenever direction-control lever is moved to neutral or the decelerator is depressed to the detent	
Parking	Exclusive safety feature engages wet, multiple-disc brakes whenever the engine stops, the decelerator is depressed to the end of travel, or the park-lock lever is placed in the start or neutral positions and motion is detected; machine cannot be driven with brake applied, reducing wearout or need for adjustment; spring-applied, hydraulic release	



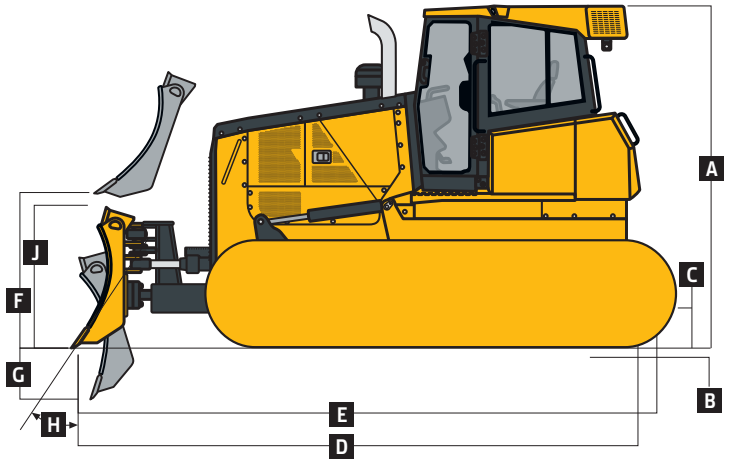
Hydraulics	850K / 850K WT / 850K LGP			850K XLT / 850K WLT / 850K LGP		
Blade Type	***OSD***			***PAT***		
Type	Load sense hydraulic system with variable-displacement piston pump					
Pump Displacement	74 cc			74 cc		
System Relief Pressure	24 993 kPa (3,625 psi)			24 993 kPa (3,625 psi)		
Differential Pressure	1896 kPa (275 psi)			1896 kPa (275 psi)		
Maximum Flow at Unloaded High Idle	163 L/m (43 gpm)			163 L/m (43 gpm)		
Control	2-function hydraulic-pilot T-bar joystick			3-function hydraulic-pilot T-bar joystick with push-button angle function		
Electrical	**850K / 850K WT / 850K LGP / 850K XLT / 850K WLT**					
Voltage	24 volts					
Battery Capacity	950 CCA					
Reserve Capacity	190 min.					
Alternator Rating						
Cab	130 amp					
Canopy	100 amp					
Lights	Grille mounted (2), rear mounted (2), engine compartment (1), and rear reflectors (2)					
Undercarriage	**850K**	**850K WT**	**850K LGP**	**850K XLT**	**850K WLT**	**850K LGP**
Blade Type	***OSD***			***PAT***		
Tracks	Track frame with front and rear track guides and sprocket guard; John Deere Dura-Trax™ features deep-heat-treated, sealed, and lubricated track links and through-hardened, sealed, and lubricated rollers for maximum wear resistance; sprockets are segmented; extreme-duty shoes are available (on some models) for severe applications					
Track Gauge	1880 mm (74 in.)	2032 mm (80 in.)	2184 mm (86 in.)	2083 mm (82 in.)	2235 mm (88 in.)	2388 mm (94 in.)
Grouser Width	610 mm (24 in.)	760 mm (30 in.)	910 mm (36 in.)	610 mm (24 in.)	760 mm (30 in.)	910 mm (36 in.)
Chain	Sealed and lubricated	Sealed and lubricated	Sealed and lubricated	Sealed and lubricated	Sealed and lubricated	Sealed and lubricated
Shoes, Each Side	40	40	45	45	45	45
Track Rollers, Each Side	7	7	8	8	8	8
Track Length On Ground	2769 mm (109 in.)	2769 mm (109 in.)	3284 mm (129 in.)	3284 mm (129 in.)	3284 mm (129 in.)	3284 mm (129 in.)
Ground Contact Area	33 760 cm^2 (5,233 sq. in.)	42 200 cm^2 (6,541 sq. in.)	60 058 cm^2 (9,309 sq. in.)	40 039 cm^2 (6,206 sq. in.)	50 048 cm^2 (7,757 sq. in.)	60 058 cm^2 (9,309 sq. in.)
Ground Pressure	56.0 kPa (8.13 psi)	46.4 kPa (6.73 psi)	35.4 kPa (5.14 psi)	48.5 kPa (7.03 psi)	40.0 kPa (5.79 psi)	34.2 kPa (4.96 psi)
Track Pitch	203 mm (8 in.)	203 mm (8 in.)	203 mm (8 in.)	203 mm (8 in.)	203 mm (8 in.)	203 mm (8 in.)
Oscillation at Front Roller	+ 114 mm (+ 4.5 in.)	+ 114 mm (+ 4.5 in.)	+ 168 mm (+ 6.6 in.)	+ 168 mm (+ 6.6 in.)	+ 166.5 mm (+ 6.5 in.)	+ 168 mm (+ 6.6 in.)
Operator Station	**850K / 850K WT / 850K LGP / 850K XLT / 850K WLT**					
ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005)						
Serviceability						
Refill Capacities						
Fuel Tank with Lockable Cap	356 L (94 gal.)					
Cooling System with Recovery Tank	38 L (10.1 gal.)					
Engine Oil with Filter	24.6 L (6.5 gal.)					
Transmission Reservoir with Filter	106 L (28 gal.)					
Hydraulic Reservoir and Filter	106 L (28 gal.)					
Operating Weights	**850K**	**850K WT**	**850K LGP**	**850K XLT**	**850K WLT**	**850K LGP**
Blade Type	***OSD***			***PAT***		
Base Weight (with standard equipment, rollover protective structure [ROPS], full fuel tank, and 79-kg [175 lb.] operator)	19 295 kg (42,538 lb.)	19 959 kg (44,002 lb.)	21 684 kg (47,805 lb.)	19 785 kg (43,618 lb.)	20 390 kg (44,952 lb.)	20 945 kg (46,176 lb.)
Optional Components						
Cab with Pressurizer and Heater/ Air Conditioner	337 kg (743 lb.)	337 kg (743 lb.)	337 kg (743 lb.)	337 kg (743 lb.)	337 kg (743 lb.)	337 kg (743 lb.)
Heater (ROPS canopy)	39 kg (85 lb.)	39 kg (85 lb.)	39 kg (85 lb.)	39 kg (85 lb.)	39 kg (85 lb.)	39 kg (85 lb.)
Front and Door Screens						
ROPS Canopy	84 kg (186 lb.)	84 kg (186 lb.)	84 kg (186 lb.)	84 kg (186 lb.)	84 kg (186 lb.)	84 kg (186 lb.)
Cab with Air Conditioner	79 kg (175 lb.)	79 kg (175 lb.)	79 kg (175 lb.)	79 kg (175 lb.)	79 kg (175 lb.)	79 kg (175 lb.)
Rear Screen						
ROPS Canopy	23 kg (50 lb.)	23 kg (50 lb.)	23 kg (50 lb.)	23 kg (50 lb.)	23 kg (50 lb.)	23 kg (50 lb.)
Cab with Air Conditioner	34 kg (75 lb.)	34 kg (75 lb.)	34 kg (75 lb.)	34 kg (75 lb.)	34 kg (75 lb.)	34 kg (75 lb.)
Side Screens						
ROPS Canopy	44 kg (98 lb.)	44 kg (98 lb.)	44 kg (98 lb.)	44 kg (98 lb.)	44 kg (98 lb.)	44 kg (98 lb.)
Cab with Air Conditioner	54 kg (120 lb.)	54 kg (120 lb.)	54 kg (120 lb.)	54 kg (120 lb.)	54 kg (120 lb.)	54 kg (120 lb.)
Condenser Guard (cab with air conditioner)	55 kg (121 lb.)	55 kg (121 lb.)	55 kg (121 lb.)	55 kg (121 lb.)	55 kg (121 lb.)	55 kg (121 lb.)

Operating Weights *(continued)*	850K	850K WT	850K LGP	850K XLT	850K WLT	850K LGP
Blade Type	***OSD***			***PAT***		
Optional Components *(continued)*						
Limb Risers (ROPS canopy and cab)	272 kg (600 lb.)	272 kg (600 lb.)	272 kg (600 lb.)	272 kg (600 lb.)	272 kg (600 lb.)	272 kg (600 lb.)
Heavy-Duty Grille	35 kg (78 lb.)	35 kg (78 lb.)	35 kg (78 lb.)	35 kg (78 lb.)	35 kg (78 lb.)	35 kg (78 lb.)
Lift-Cylinder Hose Guards	80 kg (176 lb.)	80 kg (176 lb.)	80 kg (176 lb.)	42 kg (93 lb.)	42 kg (93 lb.)	42 kg (93 lb.)
Tank Guards	323 kg (712 lb.)	323 kg (712 lb.)	323 kg (712 lb.)	323 kg (712 lb.)	323 kg (712 lb.)	323 kg (712 lb.)
Counterweight						
Front	397 kg (875 lb.)	397 kg (875 lb.)	397 kg (875 lb.)	397 kg (875 lb.)	397 kg (875 lb.)	397 kg (875 lb.)
Rear	449 kg (990 lb.)	449 kg (990 lb.)	449 kg (990 lb.)	449 kg (990 lb.)	449 kg (990 lb.)	449 kg (990 lb.)
Retrieval Hitch	52 kg (114 lb.)	52 kg (114 lb.)	52 kg (114 lb.)	52 kg (114 lb.)	52 kg (114 lb.)	52 kg (114 lb.)
Drawbar, Extended Rigid	130 kg (286 lb.)	130 kg (286 lb.)	130 kg (286 lb.)	130 kg (286 lb.)	130 kg (286 lb.)	130 kg (286 lb.)
Blade Brush Guard	87 kg (192 lb.)	87 kg (192 lb.)	87 kg (192 lb.)	87 kg (192 lb.)	87 kg (192 lb.)	87 kg (192 lb.)
Blade Trash Rack	—	207 kg (455 lb.)	226 kg (498 lb.)	—	198 kg (436 lb.)	210 kg (462 lb.)
Center Chain Guides	85 kg (188 lb.)	85 kg (188 lb.)	85 kg (188 lb.)	85 kg (188 lb.)	85 kg (188 lb.)	85 kg (188 lb.)
Full-Length Rock Guards	222 kg (490 lb.)	222 kg (490 lb.)	242 kg (534 lb.)	242 kg (534 lb.)	242 kg (534 lb.)	242 kg (534 lb.)
Final-Drive Trash Guards	70 kg (155 lb.)	70 kg (155 lb.)	70 kg (155 lb.)	70 kg (155 lb.)	70 kg (155 lb.)	70 kg (155 lb.)
Striker Bars						
Front	—	111 kg (245 lb.)	147 kg (325 lb.)	—	73 kg (160 lb.)	73 kg (160 lb.)
Rear	—	166 kg (366 lb.)	78 kg (171 lb.)	—	78 kg (171 lb.)	78 kg (171 lb.)
Pre-Cleaner						
Powered Cab Air	21 kg (47 lb.)	21 kg (47 lb.)	21 kg (47 lb.)	21 kg (47 lb.)	21 kg (47 lb.)	21 kg (47 lb.)
Rotary Ejector Engine Air	6 kg (13 lb.)	6 kg (13 lb.)	6 kg (13 lb.)	6 kg (13 lb.)	6 kg (13 lb.)	6 kg (13 lb.)
Track Shoes						
560-mm (22 in.) Extreme Duty	155 kg (342 lb.)	– 213 kg (– 470 lb.)	—	175 kg (385 lb.)	—	—
610-mm (24 in.) Moderate Duty	In base	– 368 kg (– 812 lb.)	– 847 kg (– 1,868 lb.)	In base	—	– 850 kg (– 1,873 lb.)
610-mm (24 in.) Extreme Duty	307 kg (677 lb.)	– 61 kg (– 135 lb.)	– 502 kg (– 1,108 lb.)	346 kg (762 lb.)	—	– 504 kg (– 1,111 lb.)
760-mm (30 in.) Moderate Duty	—	In base	—	—	In base	– 435 kg (–959 lb.)
760-mm (30 in.) Extreme Duty	—	395 kg (870 lb.)	—	—	444 kg (979 lb.)	9 kg (19 lb.)
910-mm (36 in.) Moderate Duty	—	—	In base	—	—	In base
910-mm (36 in.) Extreme Duty	—	—	523 kg (1,153 lb.)	—	—	524 kg (1,155 lb.)

Machine Dimensions	850K / 850K WT	850K LGP	850K XLT / 850K WLT / 850K LGP
Blade Type	***OSD***		***PAT***



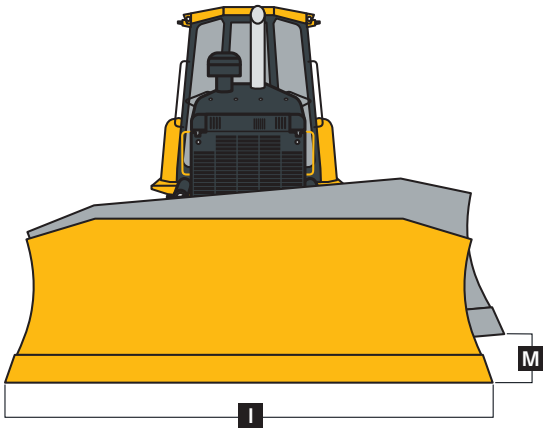
850K / 850K WT / 850K LGP WITH OUTSIDE DOZER BLADE

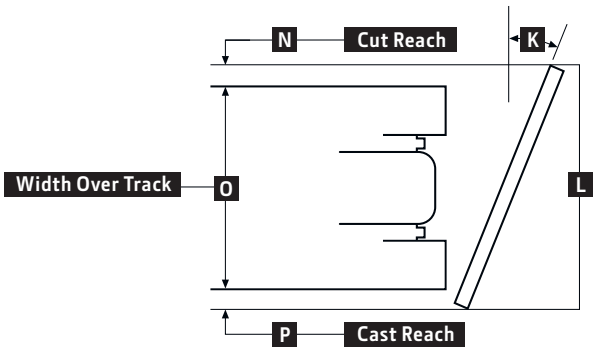


850K XLT / 850K WLT / 850K LGP WITH PAT BLADE

A	Overall Height to Roof	3161 mm (10 ft. 4.5 in.)	3161 mm (10 ft. 4.5 in.)	3161 mm (10 ft. 4.5 in.)
B	Tread Depth with Single-Bar Grouser			
	Moderate Duty	66 mm (2.6 in.)	66 mm (2.6 in.)	66 mm (2.6 in.)
	Extreme Duty	71 mm (2.8 in.)	71 mm (2.8 in.)	71 mm (2.8 in.)
C	Ground Clearance in Dirt	409 mm (16.1 in.)	409 mm (16.1 in.)	409 mm (16.1 in.)
D	Overall Length	5384 mm (17 ft. 8 in.)	5940 mm (19 ft. 6 in.)	5740 mm (18 ft. 10 in.)
E	Length with Extended Drawbar	5569 mm (18 ft. 3 in.)	6137 mm (20 ft. 3 in.)	5940 mm (19 ft. 6 in.)
F	Blade Lift Height	1151 mm (45 in.)	1151 mm (45 in.)	1072 mm (42 in.)
G	Blade Digging Depth	599 mm (24 in.)	599 mm (24 in.)	704 mm (28 in.)
H	Blade Cutting-Edge Angle, Adjustable	51.5 to 61.0 deg.	51.5 to 61.0 deg.	55.1 to 60.2 deg.

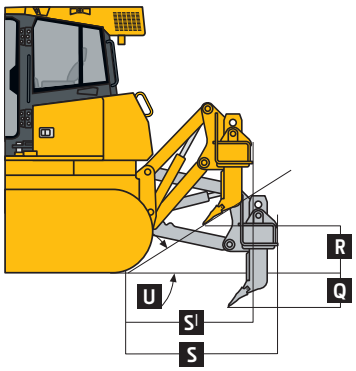
Machine Dimensions *(continued)*	850K	850K WT	850K LGP	850K XLT	850K WLT	850K LGP
Blade Type	***OSD***			***PAT***		

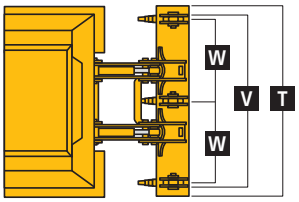




Semi-U							
I	Blade Width	3251 mm (128 in.) (10 ft. 8 in.)	3556 mm (140 in.) (11 ft. 8 in.)	3861 mm (152 in.) (12 ft. 8 in.)	—	—	—
J	Blade Height	1422 mm (56 in.) (4 ft. 8 in.)	1374 mm (54 in.) (4 ft. 6 in.)	1321 mm (52 in.) (4 ft. 4 in.)	—	—	—
	SAE Capacity	5.6 m^3 (7.3 cu. yd.)	5.8 m^3 (7.6 cu. yd.)	6.0 m^3 (7.8 cu. yd.)	—	—	—
	Weight	1643 kg (3,286 lb.)	1567 kg (3,455 lb.)	1641 kg (3,612 lb.)	—	—	—
	Push-Beam Assembly Weight (without blade)	1820 kg (4,004 lb.)	1889 kg (4,156 lb.)	2101 kg (4,622 lb.)	—	—	—
M	Blade Tilt	753 mm (30 in.)	753 mm (30 in.)	853 mm (34 in.)	—	—	—
O	Width Over Track	2489 mm (98 in.) (8 ft. 2 in.)	2794 mm (110 in.) (9 ft. 2 in.)	3099 mm (122 in.) (10 ft. 2 in.)	—	—	—
Straight							
I	Blade Width	—	—	3912 mm (154 in.) (12 ft. 10 in.)	3708 mm (146 in.) (12 ft. 2 in.)	4013 mm (158 in.) (13 ft. 2 in.)	4267 mm (168 in.) (14 ft. 0 in.)
J	Blade Height	—	—	—	1229 mm (48 in.) (4 ft. 0 in.)	1229 mm (48 in.) (4 ft. 0 in.)	1229 mm (48 in.) (4 ft. 0 in.)
	SAE Capacity	—	—	4.1 m^3 (5.0 cu. yd.)	3.9 m^3 (5.2 cu. yd.)	4.3 m^3 (5.6 cu. yd.)	4.5 m^3 (5.9 cu. yd.)
	Weight	—	—	1561 kg (3,441 lb.)	1251 kg (2,758 lb.)	1330 kg (2,932 lb.)	1397 kg (3,080 lb.)
	C-Frame Assembly Weight (without blade)	—	—	2101 kg (4,622 lb.)	1647 kg (3,631 lb.)	1647 kg (3,631 lb.)	1647 kg (3,631 lb.)
K	Blade Angle	—	—	—	23.8 deg.	23.8 deg.	23.8 deg.
L	Overall Width with Blade Angled	—	—	—	3391 mm (134 in.) (11 ft. 2 in.)	3658 mm (144 in.) (12 ft. 0 in.)	3901 mm (154 in.) (12 ft. 10 in.)
M	Blade Tilt (uses tilt jack)	—	—	—	508 mm (20 in.)	533 mm (21 in.)	572 mm (23 in.)
N	Cut Reach	—	—	—	158 mm (6.2 in.)	145 mm (5.7 in.)	109 mm (4.3 in.)
O	Width Over Track	—	—	—	2693 mm (106 in.) (8 ft. 10 in.)	2997 mm (118 in.) (9 ft. 10 in.)	3302 mm (130 in.) (10 ft. 10 in.)
P	Cast Reach	—	—	—	284 mm (11.2 in.)	272 mm (10.7 in.)	234 mm (9.2 in.)

Rear Ripper	**850K / 850K WT / 850K LGP / 850K XLT / 850K WLT**





Multi-shank (3) parallelogram ripper with hydraulic pitch adjustment and ESCO ripper tips	
Weight	2032 kg (4,480 lb.)
Q Maximum Penetration	724 mm (28.5 in.)
R Maximum Clearance Under Tip	610 mm (24 in.)
S Overall Length, Lowered Position	1626 mm (64 in.)
S¹ Overall Length, Raised Position	1525 mm (60 in.)
T Overall Beam Width	2400 mm (7 ft. 10 in.)
U Slope Angle (full raise)	24 deg.
V Ripping Width	2146 mm (7 ft. 1 in.)
W Distance Between Shanks	1041 mm (3 ft. 5 in.)

Additional equipment

Key: ● Standard ▲ Optional or special

See your John Deere dealer for further information.

700K	750K	850K	Engine
●	●	●	Meets EPA Interim Tier 4/EU Stage IIIB emissions
●	●	●	Electronic control with automatic engine protection
	●	●	Pre-cleaner with aspiration lines
●	●	●	Dual-element dry-tube air cleaner with tangential unloader valve
●	●	●	Exhaust filter, under hood, with vertical stack
●	●	●	Engine glow plug starting system
●	●	●	Programmable auto engine shutdown
●	●	●	Automatic turbo cool-down timer
●	●	●	Environmental service drains
●	●	●	Fuel filters with automatic electronic priming (remote mounted on 700K)
●	●	●	Wet-sleeve cylinder liners
▲	▲	▲	Engine block heater, 110 volts
▲	▲	▲	Engine coolant heater, fuel fired
▲	▲	▲	Chrome exhaust
▲			Rotary ejector engine air pre-cleaner
▲	▲	▲	Fluid-sample valves
▲	▲	▲	Severe-duty 400-mL (13.5 oz.) fuel filter and water separator with heating element
			Cooling
●	●	●	Tilt-out cooling fan, hydraulically driven, variable-speed suction type
▲	●	●	Automatic, programmable reversing-fan-drive fan
●	●	●	Engine coolant radiator (10 fins per in.)
●	●	●	Hydrostatic cooler (oil/air – 10.2 fins per in.)
●	●	●	Hydraulic cooler (oil/air – 10.2 fins per in.)
●	●	●	Enclosed safety fan guard (conforms to SAE J1308 and ISO3457)
●	●	●	Perforated engine and hood side shields
●	●	●	Heavy-duty tilt-out bar-type grille
●	●	●	2-side access to all coolers
●	●	●	Cooling package isolated from engine compartment
●	●	●	Heavy-duty, trash-resistant radiator and high-ambient cooling package
▲	▲	▲	Extreme-duty tilt-out grille
			Transmission
●	●	●	Remote diagnostic test ports
●	●	●	Automatic cold-weather transmission warmup system
●	●	●	Automatic transmission derating for exceeded system temperatures
●	●	●	Environmental service drains
●	●	●	2,000-hour vertical spin-on transmission filter
●	●	●	Sealed dedicated transmission reservoir and filtration system separate from hydraulic system
	▲	▲	Final-drive seal guards (for trash use)
			Hydraulic System
	●	●	2-function hydraulics
●	▲	▲	3-function hydraulics
	▲	▲	3-function hydraulics with rear plumbing
▲	▲	▲	4-function hydraulics with rear plumbing
●	●	●	Hydraulic cooler
●	●	●	2,000-hour vertical spin-on hydraulic filter
●	●	●	Sealed dedicated hydraulic reservoir and filtration system separate from transmission system
	▲	▲	High-flow hydraulic pump for use with winch

700K	750K	850K	Hydraulic System *(continued)*
▲	▲	▲	Drive-through hydraulic pump for use with winch
▲	▲	▲	Grade control-ready hydraulics
▲	▲	▲	Topcon integrated grade control
			Mainframe, Access Panels
	●	●	Tilt operator station service access
●	●	●	Front tow loop
●	●	●	Integral bottom protection
●	●	●	Hinged bottom access covers (bolt-on)
●	●	●	Vandal protection: Engine access door / Side tank access doors / Fuel tank / Instrument panel / Transmission reservoir / Hydraulic reservoir
	●	●	Maintenance-free center cross-bar pivot
			Attachments
▲			Counterweight, front, 172 kg (380 lb.)
	▲		Counterweight, rear, 326 kg (720 lb.)
		▲	Counterweight, front, 397 kg (875 lb.)
		▲	Counterweight, rear, 449 kg (990 lb.)
		▲	Landfill package
▲	▲	▲	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 4000S, power in/free spool out OR power out
	▲	▲	Winch, hydrostatically driven*
	▲	▲	Winch, direct drive*
▲			4-roller fairlead for winch
▲			Root-rake blade attachment
▲	▲	▲	Operator-protection package
▲	▲	▲	Forestry-protection package
▲	▲	▲	Trimble®-ready interface package
▲	▲	▲	Topcon-ready interface package
▲	▲	▲	Leica-ready interface package
			Undercarriage
●	●	●	Full-length, smooth-surface track frame covers
●	●	●	Guides, front and rear, with wear strips
●	●	●	Segmented sprockets
●	●	●	Double-flange rollers
●			Maximum Life Undercarriage System
●	●	●	Oscillating undercarriage
▲	●	●	Heavy-duty sealed and lubricated undercarriage
	▲	▲	Extended life undercarriage SC-2™ bushings
▲	▲	▲	Full-length rock guards
		▲	Recessed sprockets

XLT	LGP	700K Shoes
●	▲	560-mm (22 in.) moderate service
	▲	610-mm (24 in.) moderate service
	●	760-mm (30 in.) moderate service

STD	XLT	LGP	750K Shoes
●	●	▲	560-mm (22 in.) moderate service
▲	▲	▲	560-mm (22 in.) extreme service
▲	▲	▲	610-mm (24 in.) moderate service
▲	▲	▲	610-mm (24 in.) extreme service
		▲	710-mm (28 in.) moderate service
		●	865-mm (34 in.) moderate service with clipped corners

STD	WT	XLT	WLT	LGP	850K Shoes
▲	▲	▲	▲	▲	560-mm (22 in.) extreme service
●	▲	●	▲	▲	610-mm (24 in.) moderate service
▲	▲	▲	▲	▲	610-mm (24 in.) extreme service
	●		●	▲	760-mm (30 in.) moderate service with clipped corners
	▲		▲	▲	760-mm (30 in.) extreme service with clipped corners
				●	910-mm (36 in.) moderate service with clipped corners
				▲	910-mm (36 in.) extreme service with clipped corners

Canopy	Cab	Operator's Station / Electrical
●	●	Retractable seat belts, 76 mm (3 in.) (conform to SAE J386)
●	●	Convex interior rearview mirror, 102-mm (4 in.) tall, 203-mm (8 in.) wide (conforms to SAE J985)
●	●	Power port, 12 volts, 10 amps
▲	▲	2nd console-mounted power port, 12 volts, 10 amps (750K and 850K only)
●	●	Lockable dash-mounted storage compartment
▲	▲	Rear storage compartment (750K and 850K only)
●	●	Cup holders (2)
	●	Air conditioner, 24,000 Btu
	●	Tinted glass
	●	Dome light
	●	Heater (roof mount)
	●	Wipers (intermittent plus 2 speeds) and washers – front window and left and right doors (rear window on 750K and 850K)
	▲	Rear wiper and washer (700K only)
●		Air-ride vinyl seat
	●	Air-ride fabric seat
	▲	Deluxe heated and leather-bolstered air-ride seat
▲	●	Under-seat heater
	●	AM/FM, weather-band radio, clock, and MP3 player front plug-in
	●	Radio-area storage slot with power port
●		Sealed alternator, 100 amps
	●	Sealed alternator, 130 amps
●	●	Lockable master electrical disconnect switch
●	●	Multi-function/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)
●	●	Built-in diagnostics: Diagnostic-code details / Sensor values / Calibrations / Individual circuit tester
●	●	Key-less start with multiple security modes
●	●	Lights, grille mounted (2), rear mounted (2)
▲	▲	Work lights (2), roof mounted
●	●	Engine compartment light (750K and 850K only; optional on 700K)
	▲	External-mounted rear attachment mirror
▲	▲	Quick-service ports
▲	▲	Fast-fuel system (750K and 850K only)
●	●	JDLink™ Ultimate wireless communication system (available in specific countries; see your dealer for details)

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan at test conditions specified per ISO9249. No derating is required up to 3050-m (10,000 ft.) altitude. Also available: winches, fair-leads, log arches, skidding grapples, trash packages, landfill protection packages, cable plows, side booms, field-installed cab for canopy, canopy heater, and fire-suppression systems. 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 ROPS, full fuel tanks, and 79-kg (175 lb.) operators; 700K XLT unit with 560-mm (22 in.) track shoes and PAT blade; 700K LGP unit with 760-mm (30 in.) track shoes and PAT blade; 750J XLT unit with rigid drawbar, 560-mm (22 in.) track shoes, and PAT blade; 750K LGP unit with rigid drawbar, 865-mm (34 in.) track shoes, and PAT blade; 750K unit with rigid drawbar, 560-mm (22 in.) track shoes, and OSD blade; 850K WT unit with 760-mm (30 in.) track shoes and OSD blade; 850K XLT unit with 610-mm (24 in.) track shoes and OSD blade; 850K WLT unit with 760-mm (30 in.) track shoes and PAT blade; 850K LGP unit with 910-mm (36 in.) track shoes and OSD or PAT blade; and 850K unit with 610-mm (24 in.) track shoes and OSD blade. Operator station ROPS and FOPS certified.

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