700K SmartGrade™ Dozer

97 kW (130 net hp)



FEATURES

Grade-control system is fully integrated into the machine cabin, structures, and software — delivering precise grading performance while eliminating vulnerable external masts and cables.

Auto SmartGrade automatically raises the blade when heavier loads are encountered during rough grading to prevent stalling and track slip, enabling the machine to be used in all phases of grading.

Machine dimensions are preloaded into the grade-control monitor, reducing the time needed to calibrate to about 30 minutes.

The complete SmartGrade system is sold and fully supported by the world-class John Deere dealer network.

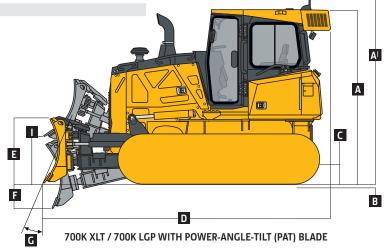


Engine	700K LGP
Blade Type	Power-Angle-Tilt (PAT)
Manufacturer and Model	John Deere PowerTech™ PVS 6068
Non-Road Emission Standard	EPA Final Tier 4/EU Stage IV
Displacement	6.8L (414 cu. in.)
SAE Net Rated Power	97 kW (130 hp) at 1,800 rpm
Net Peak Torque	559 Nm (412 ftlb.) at 1,500 rpm
Aspiration	Turbocharged with charge-air cooler
Air Cleaner	Dual-stage dry tube with tangential unloader
Cooling	
Туре	Variable-speed suction fan w/ 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;

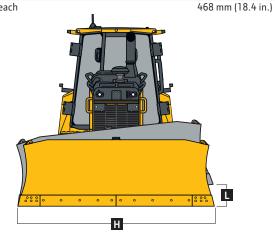
decelerator pedal controls ground speed to stop System Relief Pressure 47 573 kPa (6,900 psi) Travel Speeds Forward and Reverse 8.9 km/h (5.5 mph) Maximum (optional) 9.7 km/h (6.0 mph) Single-lever steering, direction control, and counter-rotation; full power turns and infinitely variable track Steering 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

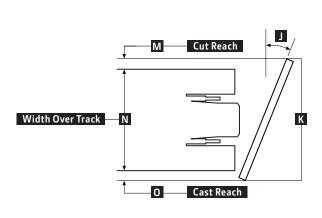
Powertrain (continued)	700K LGP
Drawbar Pull	/UUR LOP
Maximum	200 kN (45,000 lb.)
At 1.9 km/h (1.2 mph)	119 kN (26,800 lb.) 700K FT4 Drawbar Pull vs. Ground Speed
At 3.2 km/h (2.0 mph)	77 kN (17,200 lb.)
Brakes	77 KV (17,200 lb.)
Service	Lhydrostatic (dynamic) hypking stone
Scrivice	the machine whenever the direction- control lever is moved to neutral or
	control lever is moved to neutral or Control lever is moved to neutral neutral or Control lever is moved to neutral or Con
	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 opera-
	tor depresses the decelerator pedal to 🖟 i i i GROUND SPEED
	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
Hudoulia	with brake applied, minimizing wear-out or need for adjustment
Hydraulics	Open center budge uits gustem with fixed displacement gear nump
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 Electrical	3-function direct-acting T-bar joystick with push-button angle function
	PAT
Blade Type	
Voltage	24 volts
Capacity	OEO CCA
Battery Reserve	950 CCA 190 min.
	190 min.
Alternator Rating	120
Cab	130 amp
Canopy	100 amp
Lights	Grille mounted (2), rear mounted (2), and rear reflectors (2)
Undercarriage	PAT
Blade Type	
Tracks	John Deere DuraTrax™ 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
Track Gauge	covers reduce material buildup and ease cleaning
Grouser Width	1981 mm (78 in.) 760 mm (30 in.)
Chain	,
Chain	Sealed and lubricated
Shoes, Each Side	Sealed and lubricated 39
Shoes, Each Side Track Rollers, Each Side	Sealed and lubricated 39 7
Shoes, Each Side Track Rollers, Each Side Track Length on Ground	Sealed and lubricated 39 7 2590 mm (102 in.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm ² (6,118 sq. in.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005)	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap Diesel Exhaust Fluid (DEF) Tank	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.) 11.8 L (3.1 gal.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap Diesel Exhaust Fluid (DEF) Tank Cooling System with Recovery Tank	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.) 11.8 L (3.1 gal.) 35.06 L (9.3 gal.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap Diesel Exhaust Fluid (DEF) Tank Cooling System with Recovery Tank Engine Oil with Filter	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.) 11.8 L (3.1 gal.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap Diesel Exhaust Fluid (DEF) Tank Cooling System with Recovery Tank Engine Oil with Filter Reservoir with Filter	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.) 11.8 L (3.1 gal.) 35.06 L (9.3 gal.) 24.6 L (6.5 gal.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap Diesel Exhaust Fluid (DEF) Tank Cooling System with Recovery Tank Engine Oil with Filter Reservoir with Filter Transmission	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.) 11.8 L (3.1 gal.) 35.06 L (9.3 gal.) 24.6 L (6.5 gal.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap Diesel Exhaust Fluid (DEF) Tank Cooling System with Recovery Tank Engine Oil with Filter Reservoir with Filter Transmission Hydraulic	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.) 11.8 L (3.1 gal.) 35.06 L (9.3 gal.) 24.6 L (6.5 gal.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap Diesel Exhaust Fluid (DEF) Tank Cooling System with Recovery Tank Engine Oil with Filter Reservoir with Filter Transmission Hydraulic Operating Weights	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.) 11.8 L (3.1 gal.) 35.06 L (9.3 gal.) 24.6 L (6.5 gal.) 68.9 L (18.2 gal.) 53.8 L (14.2 gal.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap Diesel Exhaust Fluid (DEF) Tank Cooling System with Recovery Tank Engine Oil with Filter Reservoir with Filter Transmission Hydraulic Operating Weights Blade Type	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.) 11.8 L (3.1 gal.) 35.06 L (9.3 gal.) 24.6 L (6.5 gal.) 68.9 L (18.2 gal.) 53.8 L (14.2 gal.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap Diesel Exhaust Fluid (DEF) Tank Cooling System with Recovery Tank Engine Oil with Filter Reservoir with Filter Transmission Hydraulic Operating Weights Blade Type Base Weight (with standard equipment, rollover protec-	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.) 11.8 L (3.1 gal.) 35.06 L (9.3 gal.) 24.6 L (6.5 gal.) 68.9 L (18.2 gal.) 53.8 L (14.2 gal.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap Diesel Exhaust Fluid (DEF) Tank Cooling System with Recovery Tank Engine Oil with Filter Reservoir with Filter Transmission Hydraulic Operating Weights Blade Type Base Weight (with standard equipment, rollover protective structure [ROPS], full fuel tank, and 79-kg [175 lb.]	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.) 11.8 L (3.1 gal.) 35.06 L (9.3 gal.) 24.6 L (6.5 gal.) 68.9 L (18.2 gal.) 53.8 L (14.2 gal.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap Diesel Exhaust Fluid (DEF) Tank Cooling System with Recovery Tank Engine Oil with Filter Reservoir with Filter Transmission Hydraulic Operating Weights Blade Type Base Weight (with standard equipment, rollover protective structure [ROPS], full fuel tank, and 79-kg [175 lb.] operator)	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.) 11.8 L (3.1 gal.) 35.06 L (9.3 gal.) 24.6 L (6.5 gal.) 68.9 L (18.2 gal.) 53.8 L (14.2 gal.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap Diesel Exhaust Fluid (DEF) Tank Cooling System with Recovery Tank Engine Oil with Filter Reservoir with Filter Transmission Hydraulic Operating Weights Blade Type Base Weight (with standard equipment, rollover protective structure [ROPS], full fuel tank, and 79-kg [175 lb.] operator) Optional Components	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.) 11.8 L (3.1 gal.) 35.06 L (9.3 gal.) 24.6 L (6.5 gal.) 68.9 L (18.2 gal.) 53.8 L (14.2 gal.) PAT 14 193 kg (31,290 lb.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap Diesel Exhaust Fluid (DEF) Tank Cooling System with Recovery Tank Engine Oil with Filter Reservoir with Filter Transmission Hydraulic Operating Weights Blade Type Base Weight (with standard equipment, rollover protective structure [ROPS], full fuel tank, and 79-kg [175 lb.] operator) Optional Components Cab with Pressurizer and Heater/Air Conditioner	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.) 11.8 L (3.1 gal.) 35.06 L (9.3 gal.) 24.6 L (6.5 gal.) 68.9 L (18.2 gal.) 53.8 L (14.2 gal.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap Diesel Exhaust Fluid (DEF) Tank Cooling System with Recovery Tank Engine Oil with Filter Reservoir with Filter Transmission Hydraulic Operating Weights Blade Type Base Weight (with standard equipment, rollover protective structure [ROPS], full fuel tank, and 79-kg [175 lb.] operator) Optional Components Cab with Pressurizer and Heater/Air Conditioner ROPS Canopy	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.) 11.8 L (3.1 gal.) 35.06 L (9.3 gal.) 24.6 L (6.5 gal.) 68.9 L (18.2 gal.) 53.8 L (14.2 gal.) PAT 14 193 kg (31,290 lb.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap Diesel Exhaust Fluid (DEF) Tank Cooling System with Recovery Tank Engine Oil with Filter Reservoir with Filter Transmission Hydraulic Operating Weights Blade Type Base Weight (with standard equipment, rollover protective structure [ROPS], full fuel tank, and 79-kg [175 lb.] operator) Optional Components Cab with Pressurizer and Heater/Air Conditioner ROPS Canopy Heater	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.) 11.8 L (3.1 gal.) 35.06 L (9.3 gal.) 24.6 L (6.5 gal.) 68.9 L (18.2 gal.) 53.8 L (14.2 gal.) PAT 14 193 kg (31,290 lb.) 288 kg (635 lb.) 39 kg (855 lb.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap Diesel Exhaust Fluid (DEF) Tank Cooling System with Recovery Tank Engine Oil with Filter Reservoir with Filter Transmission Hydraulic Operating Weights Blade Type Base Weight (with standard equipment, rollover protective structure [ROPS], full fuel tank, and 79-kg [175 lb.] operator) Optional Components Cab with Pressurizer and Heater/Air Conditioner ROPS Canopy Heater Front and Door Screens	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.) 11.8 L (3.1 gal.) 35.06 L (9.3 gal.) 24.6 L (6.5 gal.) 68.9 L (18.2 gal.) 53.8 L (14.2 gal.) PAT 14 193 kg (31,290 lb.) 288 kg (635 lb.) 39 kg (855 lb.) 54 kg (120 lb.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap Diesel Exhaust Fluid (DEF) Tank Cooling System with Recovery Tank Engine Oil with Filter Transmission Hydraulic Operating Weights Blade Type Base Weight (with standard equipment, rollover protective structure [ROPS], full fuel tank, and 79-kg [175 lb.] operator) Optional Components Cab with Pressurizer and Heater/Air Conditioner ROPS Canopy Heater Front and Door Screens Rear Screen	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.) 11.8 L (3.1 gal.) 35.06 L (9.3 gal.) 24.6 L (6.5 gal.) 68.9 L (18.2 gal.) 53.8 L (14.2 gal.) PAT 14 193 kg (31,290 lb.) 288 kg (635 lb.) 39 kg (85 lb.) 54 kg (120 lb.) 20 kg (45 lb.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap Diesel Exhaust Fluid (DEF) Tank Cooling System with Recovery Tank Engine Oil with Filter Transmission Hydraulic Operating Weights Blade Type Base Weight (with standard equipment, rollover protective structure [ROPS], full fuel tank, and 79-kg [175 lb.] operator) Optional Components Cab with Pressurizer and Heater/Air Conditioner ROPS Canopy Heater Front and Door Screens Rear Screen Side Screens	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.) 11.8 L (3.1 gal.) 35.06 L (9.3 gal.) 24.6 L (6.5 gal.) 68.9 L (18.2 gal.) 53.8 L (14.2 gal.) PAT 14 193 kg (31,290 lb.) 288 kg (635 lb.) 39 kg (855 lb.) 54 kg (120 lb.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap Diesel Exhaust Fluid (DEF) Tank Cooling System with Recovery Tank Engine Oil with Filter Reservoir with Filter Transmission Hydraulic Operating Weights Blade Type Base Weight (with standard equipment, rollover protective structure [ROPS], full fuel tank, and 79-kg [175 lb.] operator) Optional Components Cab with Pressurizer and Heater/Air Conditioner ROPS Canopy Heater Front and Door Screens Rear Screen Side Screens Cab with Air Conditioner	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.) 11.8 L (3.1 gal.) 35.06 L (9.3 gal.) 24.6 L (6.5 gal.) 68.9 L (18.2 gal.) 53.8 L (14.2 gal.) PAT 14 193 kg (31,290 lb.) 288 kg (635 lb.) 39 kg (85 lb.) 54 kg (120 lb.) 20 kg (45 lb.) 54 kg (120 lb.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap Diesel Exhaust Fluid (DEF) Tank Cooling System with Recovery Tank Engine Oil with Filter Reservoir with Filter Transmission Hydraulic Operating Weights Blade Type Base Weight (with standard equipment, rollover protective structure [ROPS], full fuel tank, and 79-kg [175 lb.] operator) Optional Components Cab with Pressurizer and Heater/Air Conditioner ROPS Canopy Heater Front and Door Screens Rear Screen Side Screens Cab with Air Conditioner Front and Door Screens	Sealed and lubricated 39 7 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.) 11.8 L (3.1 gal.) 35.06 L (9.3 gal.) 24.6 L (6.5 gal.) 68.9 L (18.2 gal.) 53.8 L (14.2 gal.) PAT 14 193 kg (31,290 lb.) 288 kg (635 lb.) 39 kg (85 lb.) 54 kg (120 lb.) 20 kg (45 lb.) 54 kg (120 lb.) 68 kg (151 lb.)
Shoes, Each Side Track Rollers, Each Side Track Length on Ground Ground Contact Area Ground Pressure Track Pitch Oscillation at Front Roller Operator Station ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) Serviceability Refill Capacities Fuel Tank with Lockable Cap Diesel Exhaust Fluid (DEF) Tank Cooling System with Recovery Tank Engine Oil with Filter Reservoir with Filter Transmission Hydraulic Operating Weights Blade Type Base Weight (with standard equipment, rollover protective structure [ROPS], full fuel tank, and 79-kg [175 lb.] operator) Optional Components Cab with Pressurizer and Heater/Air Conditioner ROPS Canopy Heater Front and Door Screens Rear Screen Side Screens Cab with Air Conditioner	Sealed and lubricated 39 7 2590 mm (102 in.) 39 472 cm² (6,118 sq. in.) 35.2 kPa (5.11 psi) 191 mm (7.5 in.) ± 94 mm (± 3.7 in.) 301 L (79.5 gal.) 11.8 L (3.1 gal.) 35.06 L (9.3 gal.) 24.6 L (6.5 gal.) 68.9 L (18.2 gal.) 53.8 L (14.2 gal.) PAT 14 193 kg (31,290 lb.) 288 kg (635 lb.) 39 kg (85 lb.) 54 kg (120 lb.) 20 kg (45 lb.) 54 kg (120 lb.)

Operating Weights (continued)	700K LGP
Blade Type	PAT
Optional Components (continued)	
Limb Risers (ROPS canopy and cab)	155 kg (341 lb.)
Front Counterweight	172 kg (380 lb.)
Retrieval Hitch	31 kg (68 lb.)
Drawbar, Extended Rigid	88 kg (195 lb.)
Winch	652 kg (1,437 lb.)
Fairlead, 4 Roller	85 kg (187 lb.)
Full-Length Rock Guards	130 kg (287 lb.)
Maximum Life Undercarriage	373 kg (822 lb.)
Track Shoes	
560 mm (22 in.)	– 493 kg (– 1,086 lb.)
610 mm (24 in.)	– 371 kg (– 818 lb.)
760 mm (30 in.)	In base T
Swamp Shoes, 760 mm (30 in.)	– 14 kg (– 31 lb.)
Machine Dimensions	
A Overall Height to Roof	2936 mm (9 ft. 8 in.)
Al Overall Height with Receivers/Antennae	3152 mm (10 ft. 11 in.)
B Tread Depth with Single-Bar Grouser	56 mm (2.2 in.)
C Ground Clearance in Dirt	393 mm (15.5 in.)
D Overall Length	4815 mm (189 in.) (15 ft. 9 in.)
Overall Length with Extended Drawbar	5033 mm (198 in.) (16 ft. 6 in.)
Overall Length with Winch and Fairlead Rollers	5395 mm (212 in.) (17 ft. 8 in.)
E Blade Lift Height	991 mm (3 ft. 3 in.)
F Blade Digging Depth	533 mm (21 in.)
G Blade Cutting-Edge Angle, Adjustable	52 to 60 deg.

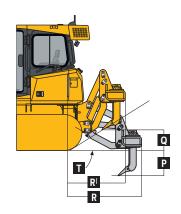


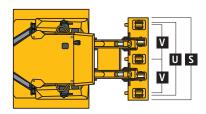
Ma	chine Dimensions (continued)	700K LGP
Bla	de Type	PAT
Straight		
Н	Blade Width	3658 mm (144 in.) (12 ft. 0 in.)
- 1	Blade Height	991 mm (39 in.) (3 ft. 3 in.)
	SAE Capacity	3.2 m³ (4.1 cu. yd.)
	Weight	901 kg (1,986 lb.)
	C-Frame Assembly Weight (without blade)	663 kg (1,461 lb.)
J	Blade Angle	25 deg.
K	Overall Width with Blade Angled	3324 mm (130.9 in.) (10 ft. 10.9 in.)
L	Blade Tilt (uses tilt jack)	482 mm (19 in.)
M	Cut Reach	113 mm (4.5 in.)
N	Width Over Track	2743 mm (108 in.) (9 ft. 0 in.)
0	Cast Reach	468 mm (18.4 in.)



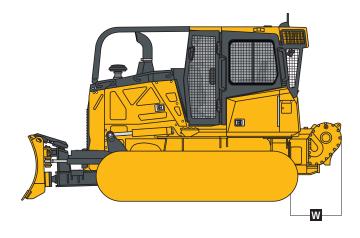


Rea	ar Ripper	700K LGP
Bla	de Type	PAT
Multi-shank parallelogram ripper with 5 pockets and		
3 s	hanks	
We	ight	1444 kg (3,183 lb.)
Р	Maximum Penetration	563 mm (22 in.)
Q	Maximum Clearance Under Tip	584 mm (23 in.)
R	Overall Length, Lowered Position	1494 mm (59 in.) (4 ft. 11 in.)
R1	Overall Length, Raised Position	1210 mm (48 in.) (4 ft. 0 in.)
S	Overall Beam Width	1930 mm (6 ft. 4 in.)
Т	Slope Angle (full raise)	26 deg.
U	Ripping Width	1673 mm (5 ft. 6 in.)
٧	Distance Between Shanks	806 mm (32 in.)





4000S Winch	700K LGP
Blade Type	PAT
W Winch Length	798 mm (31 in)



Boost your grades — and your bottom line.

- 1. Auto SmartGrade activation is a quick and easy way to tune in your machine to deliver the best performance for the type of job it's doing.
- 2. Inertial Measurement Unit (IMU) sensors are located outside the cylinders so they're easy to access should service be required.



 $Grade\text{-}control\ system\ includes\ Topcon\ 3D\text{-}MC^2\ components.$

