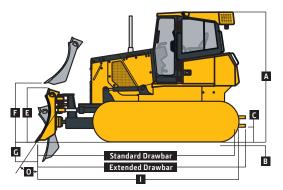


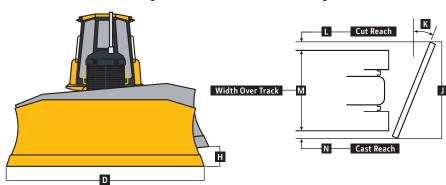
	850J-II with Outside-Dozer (OSD) Blace	de / 850J-II WLT and 850J-II LGP with Pow	ver/Angle/Tilt (PAT) Blade
Manufacturer and Model	John Deere PowerTech™ 6068 with Exhaust Gas Recirculation (EGR)	John Deere PowerTech™ Plus 6068 with EGR	John Deere PowerTech Plus 6090 with EGR
Non-Road Emission Standard	EU Stage II emissions	EU Stage IIIA and Brazil MAR-I emissions	EU Stage IIIA and Brazil MAR-I emission
Cylinders	6	6	6
Displacement	6.8 L (414 cu. in.)	6.8 L (414 cu. in.)	9.0 L (548 cu. in.)
	153 kW (205 hp) at 1,800 rpm	153 kW (205 hp) at 1,800 rpm	153 kW (205 hp) at 1,800 rpm
let Peak Torque	915 Nm (675 lbft.) at 1,500 rpm	915 Nm (675 lbft.) at 1,500 rpm	915 Nm (675 lbft.) at 1,500 rpm
Aspiration	Turbocharged with charge-air cooler	Turbocharged with charge-air cooler	Turbocharged with charge-air cooler
	Pressure system with full-flow spin-on filter and oil-to-water cooler	Pressure system with full-flow spin-or filter and oil-to-water cooler	Pressure system with full-flow spin-o filter and oil-to-water cooler
Air Cleaner	Dual-stage dry type with tangential unloader	Dual-stage dry type with tangential unloader	Dual-stage dry type with tangential unloader
Slope Operation, Maximum Angle	45 deg. fore-aft / 30 deg. side slope	45 deg. fore-aft / 30 deg. side slope	45 deg. fore-aft / 30 deg. side slope
Cooling	850J-II / 850J-II WLT / 850J-II LGP		
Туре	Variable-speed suction fan	Engine Coolant Rating -37 deg. C. (-	-34 deg. F)
Powertrain			-
	ing load conditions; each individually cobination; ground-speed selection button	drive; load-sensing feature automatically a introlled track is powered by a variable-dis s on single-lever steering and direction co	placement piston pump and motor con ontrol; independently selectable revers
		forward ground speed; decelerator pedal of	controls ground speed to stop
,	45 850 kPa (6,650 psi)	- I.) Marin (et al. 19 20	01 (6.00 -6.)
	Forward and Reverse 9.7 km/h (6.0 m)		
Steering	provide unlimited maneuverability and	ontrol, and counter-rotation; full power to optimum control; HST steering eliminates	steering clutches and brakes
Final Drives	Double-reduction, planetary final drives transfer torque loads over 3 gear sets; mounted independently of track frames and dozer push frames for isolation from shock loads		
Total Ratio	44.7 to 1		
		.9 km/h (1.2 mph) 178 kN (40,000 lb.) A	
	HST (dynamic) braking stops machine when the direction/steering control lever is moved to neutral or the decelerator is depressed to the end of travel		
_	of travel, or the park-lock lever is placed	ultiple-disc brakes whenever the engine stop I in the start or neutral positions and motic or need for adjustment; spring-applied hyd	on is detected; machine cannot be driv
	850J-II	850J-II WLT / 850J-II LGP	
Hydraulics	OSD	PAT	
<mark>Hydraulics</mark> Blade Type Type	OSD Load-sense, piston pump	PAT Load-sense, piston pump	
<mark>Hydraulics</mark> Blade Type Type Pump, 74-cc	OSD Load-sense, piston pump 174 L/m (46 gpm)	PAT Load-sense, piston pump 174 L/m (46 gpm)	
<mark>Hydraulics</mark> Blade Type Type Pump, 74-cc	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi)	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi)	
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi)	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi)	
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm)	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm)	
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm)	k with push-button angle function
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) k T-bar hydraulic-pilot 2-function joystic	
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Cylinders	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm)	
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Cylinders Type	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic 850J-II / 850J-II WLT / 850J-II LGP Heat-treated, chrome-plated, polishe	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) k T-bar hydraulic-pilot 2-function joystic	
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Cylinders Type Electrical Voltage	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic 850J-II / 850J-II WLT / 850J-II LGP Heat-treated, chrome-plated, polishe	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) K T-bar hydraulic-pilot 2-function joystic	
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Cylinders Type Electrical Voltage Capacity	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic 850J-II / 850J-II WLT / 850J-II LGP Heat-treated, chrome-plated, polishe 24 volts Battery 950 CCA	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) K T-bar hydraulic-pilot 2-function joystic	
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Cylinders Type Electrical Voltage Capacity Alternator Rating	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic 850J-II / 850J-II WLT / 850J-II LGP Heat-treated, chrome-plated, polishe 24 volts Battery 950 CCA Cab 80 amp	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) K T-bar hydraulic-pilot 2-function joysticed cylinder rods; hardened steel (replaceable) Reserve 190 min. Canopy 55 amp	
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Cylinders Type Electrical Voltage Capacity Alternator Rating Lights	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic 850J-II / 850J-II WLT / 850J-II LGP Heat-treated, chrome-plated, polishe 24 volts Battery 950 CCA Cab 80 amp Grille mounted (2), rear mounted (1),	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) k T-bar hydraulic-pilot 2-function joysticed cylinder rods; hardened steel (replaceable) Reserve 190 min. Canopy 55 amp and rear reflectors (2	le bushings) pivot pins
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Cylinders Type Electrical Voltage Capacity Alternator Rating Lights Undercarriage	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic 850J-II / 850J-II WLT / 850J-II LGP Heat-treated, chrome-plated, polishe 24 volts Battery 950 CCA Cab 80 amp Grille mounted (2), rear mounted (1),	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) k T-bar hydraulic-pilot 2-function joysticed cylinder rods; hardened steel (replaceable Reserve 190 min. Canopy 55 amp and rear reflectors (2	le bushings) pivot pins 850J-II LGP
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Cylinders Type Electrical Voltage Capacity Alternator Rating Lights Undercarriage Tracks	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic 850J-II / 850J-II WLT / 850J-II LGP Heat-treated, chrome-plated, polishe 24 volts Battery 950 CCA Cab 80 amp Grille mounted (2), rear mounted (1), 850J-II Track frame with front and rear track treated, sealed, and lubricated track resistance; sprockets are segmented;	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) k T-bar hydraulic-pilot 2-function joysticed cylinder rods; hardened steel (replaceable) Reserve 190 min. Canopy 55 amp and rear reflectors (2 850J-II WLT guides and sprocket guard; John Deere Dulinks and through-hardened, sealed, and luextreme-duty shoes are available (on som	le bushings) pivot pins 850J-II LGP Ura-Trax™ features large deep-heat- ubricated rollers for maximum wear ie models) for severe applications
Hydraulics Blade Type Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Eylinders Type Electrical Voltage Capacity Alternator Rating Lights Undercarriage Tracks Track Gauge, Standard	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic 850J-II / 850J-II WLT / 850J-II LGP Heat-treated, chrome-plated, polishe 24 volts Battery 950 CCA Cab 80 amp Grille mounted (2), rear mounted (1), 850J-II Track frame with front and rear track treated, sealed, and lubricated track resistance; sprockets are segmented; 1880 mm (74 in.)	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) k T-bar hydraulic-pilot 2-function joysticed cylinder rods; hardened steel (replaceable) Reserve 190 min. Canopy 55 amp and rear reflectors (2 850J-II WLT guides and sprocket guard; John Deere Dulinks and through-hardened, sealed, and luextreme-duty shoes are available (on som 2235 mm (88 in.)	BESOJ-II LGP UTA-Trax™ features large deep-heat- phricated rollers for maximum wear the models) for severe applications 2388 mm (94 in.)
Hydraulics Blade Type Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Cylinders Type Electrical Voltage Capacity Alternator Rating Lights Undercarriage Track Track Gauge, Standard Grouser Width, Closed Center, Single Ba	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic 850J-II / 850J-II WLT / 850J-II LGP Heat-treated, chrome-plated, polishe 24 volts Battery 950 CCA Cab 80 amp Grille mounted (2), rear mounted (1), 850J-II Track frame with front and rear track treated, sealed, and lubricated track resistance; sprockets are segmented; 1880 mm (74 in.) r 610 mm (24 in.)	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) k T-bar hydraulic-pilot 2-function joysticed cylinder rods; hardened steel (replaceable) Reserve 190 min. Canopy 55 amp and rear reflectors (2 850J-II WLT guides and sprocket guard; John Deere Dulinks and through-hardened, sealed, and luextreme-duty shoes are available (on som 2235 mm (88 in.) 762 mm (30 in.)	850J-II LGP Ura-Trax™ features large deep-heat- ubricated rollers for maximum wear ue models) for severe applications 2388 mm (94 in.) 914 mm (36 in.)
Hydraulics Blade Type Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Cylinders Type Electrical Voltage Capacity Alternator Rating Lights Jindercarriage Tracks Track Gauge, Standard Grouser Width, Closed Center, Single Ba Chain	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic 850J-II / 850J-II WLT / 850J-II LGP Heat-treated, chrome-plated, polishe 24 volts Battery 950 CCA Cab 80 amp Grille mounted (2), rear mounted (1), 850J-II Track frame with front and rear track treated, sealed, and lubricated track resistance; sprockets are segmented; 1880 mm (74 in.) r 610 mm (24 in.) Sealed and lubricated	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) k T-bar hydraulic-pilot 2-function joysticed cylinder rods; hardened steel (replaceable) Reserve 190 min. Canopy 55 amp and rear reflectors (2 850J-II WLT guides and sprocket guard; John Deere Dulinks and through-hardened, sealed, and luextreme-duty shoes are available (on som 2235 mm (88 in.) 762 mm (30 in.) Sealed and lubricated	850J-II LGP Ura-Trax™ features large deep-heat- ubricated rollers for maximum wear ue models) for severe applications 2388 mm (94 in.) 914 mm (36 in.) Sealed and lubricated
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Cylinders Type Electrical Voltage Capacity Alternator Rating Lights Undercarriage Tracks Track Gauge, Standard Grouser Width, Closed Center, Single Ba Chain Shoes, Each Side	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic 850J-II / 850J-II WLT / 850J-II LGP Heat-treated, chrome-plated, polished 24 volts Battery 950 CCA Cab 80 amp Grille mounted (2), rear mounted (1), 850J-II Track frame with front and rear track treated, sealed, and lubricated track resistance; sprockets are segmented; 1880 mm (74 in.) r 610 mm (24 in.) Sealed and lubricated 40	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) k T-bar hydraulic-pilot 2-function joystic ed cylinder rods; hardened steel (replaceab Reserve 190 min. Canopy 55 amp and rear reflectors (2 850J-II WLT guides and sprocket guard; John Deere Du links and through-hardened, sealed, and lu extreme-duty shoes are available (on som 2235 mm (88 in.) 762 mm (30 in.) Sealed and lubricated 45	850J-II LGP Ura-Trax™ features large deep-heat- ubricated rollers for maximum wear ie models) for severe applications 2388 mm (94 in.) 914 mm (36 in.) Sealed and lubricated 45
Hydraulics Blade Type Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Cylinders Type Electrical Voltage Capacity Alternator Rating Lights Jindercarriage Tracks Track Gauge, Standard Grouser Width, Closed Center, Single Ba Chain Shoes, Each Side Track Rollers, Single Flange, Each Side	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic 850J-II / 850J-II WLT / 850J-II LGP Heat-treated, chrome-plated, polishe 24 volts Battery 950 CCA Cab 80 amp Grille mounted (2), rear mounted (1), 850J-II Track frame with front and rear track treated, sealed, and lubricated track resistance; sprockets are segmented; 1880 mm (74 in.) r 610 mm (24 in.) Sealed and lubricated 40 7	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) k T-bar hydraulic-pilot 2-function joysticed cylinder rods; hardened steel (replaceable) Reserve 190 min. Canopy 55 amp and rear reflectors (2 850J-II WLT guides and sprocket guard; John Deere Dulinks and through-hardened, sealed, and luextreme-duty shoes are available (on som 2235 mm (88 in.) 762 mm (30 in.) Sealed and lubricated 45	850J-II LGP Ura-Trax™ features large deep-heat- ubricated rollers for maximum wear le models) for severe applications 2388 mm (94 in.) 914 mm (36 in.) Sealed and lubricated 45
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Cylinders Type Electrical Voltage Capacity Alternator Rating Lights Undercarriage Tracks Track Gauge, Standard Grouser Width, Closed Center, Single Ba Chain Shoes, Each Side Track Rollers, Single Flange, Each Side Track Length on Ground	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic 850J-II / 850J-II WLT / 850J-II LGP Heat-treated, chrome-plated, polished 24 volts Battery 950 CCA Cab 80 amp Grille mounted (2), rear mounted (1), 850J-II Track frame with front and rear track treated, sealed, and lubricated track resistance; sprockets are segmented; 1880 mm (74 in.) r 610 mm (24 in.) Sealed and lubricated 40 7 2769 mm (109 in.)	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) k T-bar hydraulic-pilot 2-function joystic ed cylinder rods; hardened steel (replaceab Reserve 190 min. Canopy 55 amp and rear reflectors (2 850J-II WLT guides and sprocket guard; John Deere Du links and through-hardened, sealed, and lu extreme-duty shoes are available (on som 2235 mm (88 in.) 762 mm (30 in.) Sealed and lubricated 45 8 3284 mm (129 in.)	850J-II LGP UTA-Trax™ features large deep-heat- phicated rollers for maximum wear le models) for severe applications 2388 mm (94 in.) 914 mm (36 in.) Sealed and lubricated 45 8 3284 mm (129 in.)
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Cylinders Type Electrical Voltage Capacity Alternator Rating Lights Undercarriage Tracks Track Gauge, Standard Grouser Width, Closed Center, Single Ba Chain Shoes, Each Side Track Rollers, Single Flange, Each Side Track Length on Ground Ground Contact Area	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic 850J-II / 850J-II WLT / 850J-II LGP Heat-treated, chrome-plated, polished 24 volts Battery 950 CCA Cab 80 amp Grille mounted (2), rear mounted (1), 850J-II Track frame with front and rear track treated, sealed, and lubricated track resistance; sprockets are segmented; 1880 mm (74 in.) r 610 mm (24 in.) Sealed and lubricated 40 7 2769 mm (109 in.) 33 755 cm² (5,232 sq. in.)	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) k T-bar hydraulic-pilot 2-function joysticed cylinder rods; hardened steel (replaceable) Reserve 190 min. Canopy 55 amp and rear reflectors (2 850J-II WLT guides and sprocket guard; John Deere Dulinks and through-hardened, sealed, and luicextreme-duty shoes are available (on som 2235 mm (88 in.) 762 mm (30 in.) Sealed and lubricated 45 8 3284 mm (129 in.) 50 052 cm² (7,758 sq. in.)	850J-II LGP Ura-Trax™ features large deep-heat- phricated rollers for maximum wear le models) for severe applications 2388 mm (94 in.) 914 mm (36 in.) Sealed and lubricated 45 8 3284 mm (129 in.) 60 064 cm² (9,310 sq. in.)
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Cylinders Type Electrical Voltage Capacity Alternator Rating Lights Undercarriage Tracks Track Gauge, Standard Grouser Width, Closed Center, Single Ba Chain Shoes, Each Side Track Rollers, Single Flange, Each Side Track Length on Ground Ground Contact Area Ground Pressure, Outside Dozer (OSD)	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic 850J-II / 850J-II WLT / 850J-II LGP Heat-treated, chrome-plated, polished 24 volts Battery 950 CCA Cab 80 amp Grille mounted (2), rear mounted (1), 850J-II Track frame with front and rear track treated, sealed, and lubricated track resistance; sprockets are segmented; 1880 mm (74 in.) r 610 mm (24 in.) Sealed and lubricated 40 7 2769 mm (109 in.) 33 755 cm² (5,232 sq. in.) 52.5 kPa (7.61 psi)	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) k T-bar hydraulic-pilot 2-function joystic ed cylinder rods; hardened steel (replaceable) Reserve 190 min. Canopy 55 amp and rear reflectors (2 850J-II WLT guides and sprocket guard; John Deere Dulinks and through-hardened, sealed, and luine extreme-duty shoes are available (on som 2235 mm (88 in.) 762 mm (30 in.) Sealed and lubricated 45 8 3284 mm (129 in.) 50 052 cm² (7,758 sq. in.) 39.0 kPa (5.65 psi)	850J-II LGP Ura-Trax™ features large deep-heat- ubricated rollers for maximum wear ue models) for severe applications 2388 mm (94 in.) 914 mm (36 in.) Sealed and lubricated 45 8 3284 mm (129 in.) 60 064 cm² (9,310 sq. in.) 33.3 kPa (4.83 psi)
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Cylinders Type Electrical Voltage Capacity Alternator Rating Lights Undercarriage Tracks Track Gauge, Standard Grouser Width, Closed Center, Single Ba Chain Shoes, Each Side Track Rollers, Single Flange, Each Side Track Length on Ground Ground Contact Area Ground Pressure, Outside Dozer (OSD) Track Pitch	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic 850J-II / 850J-II WLT / 850J-II LGP Heat-treated, chrome-plated, polishe 24 volts Battery 950 CCA Cab 80 amp Grille mounted (2), rear mounted (1), 850J-II Track frame with front and rear track treated, sealed, and lubricated track resistance; sprockets are segmented; 1880 mm (74 in.) r 610 mm (24 in.) Sealed and lubricated 40 7 2769 mm (109 in.) 33 755 cm² (5,232 sq. in.) 52.5 kPa (7.61 psi) 203 mm (8 in.)	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) k T-bar hydraulic-pilot 2-function joysticed cylinder rods; hardened steel (replaceable) Reserve 190 min. Canopy 55 amp and rear reflectors (2 850J-II WLT guides and sprocket guard; John Deere Dulinks and through-hardened, sealed, and locetteene-duty shoes are available (on som 2235 mm (88 in.) 762 mm (30 in.) Sealed and lubricated 45 8 3284 mm (129 in.) 50 052 cm² (7,758 sq. in.) 39.0 kPa (5.65 psi) 203 mm (8 in.)	850J-II LGP Jra-Trax™ features large deep-heat- Jbricated rollers for maximum wear le models) for severe applications 2388 mm (94 in.) 914 mm (36 in.) Sealed and lubricated 45 8 3284 mm (129 in.) 60 064 cm² (9,310 sq. in.) 33.3 kPa (4.83 psi) 203 mm (8 in.)
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Cylinders Type Electrical Voltage Capacity Alternator Rating Lights Undercarriage Tracks Track Gauge, Standard Grouser Width, Closed Center, Single Ba Chain Shoes, Each Side Track Rollers, Single Flange, Each Side Track Length on Ground Ground Contact Area Ground Pressure, Outside Dozer (OSD) Track Pitch Oscillation at Front Roller	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic 850J-II / 850J-II WLT / 850J-II LGP Heat-treated, chrome-plated, polishe 24 volts Battery 950 CCA Cab 80 amp Grille mounted (2), rear mounted (1), 850J-II Track frame with front and rear track treated, sealed, and lubricated track resistance; sprockets are segmented; 1880 mm (74 in.) r 610 mm (24 in.) Sealed and lubricated 40 7 2769 mm (109 in.) 33 755 cm² (5,232 sq. in.) 52.5 kPa (7.61 psi) 203 mm (8 in.) ±114 mm (±4.5 in.)	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) k T-bar hydraulic-pilot 2-function joysticed cylinder rods; hardened steel (replaceable de cylinder rods; hardened rods; hardened rods; hardened rods; hardened rods; hardened rods; hardened rods; harden	850J-II LGP Jra-Trax™ features large deep-heat- Jbricated rollers for maximum wear Je models) for severe applications 2388 mm (94 in.) 914 mm (36 in.) Sealed and lubricated 45 8 3284 mm (129 in.) 60 064 cm² (9,310 sq. in.) 33.3 kPa (4.83 psi) 203 mm (8 in.) ±168 mm (±6.6 in.)
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Cylinders Type Electrical Voltage Capacity Alternator Rating Lights Undercarriage Tracks Track Gauge, Standard Grouser Width, Closed Center, Single Ba Chain Shoes, Each Side Track Rollers, Single Flange, Each Side Track Length on Ground Ground Contact Area Ground Pressure, Outside Dozer (OSD) Track Pitch Oscillation at Front Roller	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic 850J-II / 850J-II WLT / 850J-II LGP Heat-treated, chrome-plated, polishe 24 volts Battery 950 CCA Cab 80 amp Grille mounted (2), rear mounted (1), 850J-II Track frame with front and rear track treated, sealed, and lubricated track resistance; sprockets are segmented; 1880 mm (74 in.) r 610 mm (24 in.) Sealed and lubricated 40 7 2769 mm (109 in.) 33 755 cm² (5,232 sq. in.) 52.5 kPa (7.61 psi) 203 mm (8 in.)	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) k T-bar hydraulic-pilot 2-function joysticed cylinder rods; hardened steel (replaceable) Reserve 190 min. Canopy 55 amp and rear reflectors (2 850J-II WLT guides and sprocket guard; John Deere Dulinks and through-hardened, sealed, and locetteene-duty shoes are available (on som 2235 mm (88 in.) 762 mm (30 in.) Sealed and lubricated 45 8 3284 mm (129 in.) 50 052 cm² (7,758 sq. in.) 39.0 kPa (5.65 psi) 203 mm (8 in.)	850J-II LGP Jra-Trax™ features large deep-heat- Jbricated rollers for maximum wear Je models for severe applications 2388 mm (94 in.) 914 mm (36 in.) Sealed and lubricated 45 8 3284 mm (129 in.) 60 064 cm² (9,310 sq. in.) 33.3 kPa (4.83 psi) 203 mm (8 in.)
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Cylinders Type Electrical Voltage Capacity Alternator Rating Lights Undercarriage Tracks Track Gauge, Standard Grouser Width, Closed Center, Single Ba Chain Shoes, Each Side Track Rollers, Single Flange, Each Side Track Length on Ground Ground Contact Area Ground Pressure, Outside Dozer (OSD) Track Pitch Oscillation at Front Roller Blades Straight end bits included in weights.	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic 850J-II / 850J-II WLT / 850J-II LGP Heat-treated, chrome-plated, polishe 24 volts Battery 950 CCA Cab 80 amp Grille mounted (2), rear mounted (1), 850J-II Track frame with front and rear track treated, sealed, and lubricated track resistance; sprockets are segmented; 1880 mm (74 in.) r 610 mm (24 in.) Sealed and lubricated 40 7 2769 mm (109 in.) 33 755 cm² (5,232 sq. in.) 52.5 kPa (7.61 psi) 203 mm (8 in.) ±114 mm (±4.5 in.)	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) k T-bar hydraulic-pilot 2-function joysticed cylinder rods; hardened steel (replaceable de cylinder ro	850J-II LGP Jara-Trax™ features large deep-heat- Jara-Trax™ features for maximum wear Jara-Trax™ features for maximum wear Jara-Trax™ features large deep-heat- Jara-Trax™ features large deep-hea
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Cylinders Type Electrical Voltage Capacity Alternator Rating Lights Undercarriage Tracks Track Gauge, Standard Grouser Width, Closed Center, Single Ba Chain Shoes, Each Side Track Rollers, Single Flange, Each Side Track Length on Ground Ground Contact Area Ground Pressure, Outside Dozer (OSD) Track Pitch Oscillation at Front Roller Blades Straight end bits included in weights. Blade Type	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic 850J-II / 850J-II WLT / 850J-II LGP Heat-treated, chrome-plated, polished 24 volts Battery 950 CCA Cab 80 amp Grille mounted (2), rear mounted (1), 850J-II Track frame with front and rear track treated, sealed, and lubricated track resistance; sprockets are segmented; 1880 mm (74 in.) r 610 mm (24 in.) Sealed and lubricated 40 7 2769 mm (109 in.) 33 755 cm² (5,232 sq. in.) 52.5 kPa (7.61 psi) 203 mm (8 in.) ±114 mm (±4.5 in.) 850J-II OSD with Semi-U	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) k T-bar hydraulic-pilot 2-function joysticed cylinder rods; hardened steel (replaceable) Reserve 190 min. Canopy 55 amp and rear reflectors (2 850J-II WLT guides and sprocket guard; John Deere Dulinks and through-hardened, sealed, and luextreme-duty shoes are available (on som 2235 mm (88 in.) 762 mm (30 in.) Sealed and lubricated 45 8 3284 mm (129 in.) 50 052 cm² (7,758 sq. in.) 39.0 kPa (5.65 psi) 203 mm (8 in.) ±166.5 mm (±6.5 in.) 850J-II WLT	850J-II LGP Jara-Trax™ features large deep-heat- Jara-Trax™ features for maximum wear the models) for severe applications 2388 mm (94 in.) 914 mm (36 in.) Sealed and lubricated 45 8 3284 mm (129 in.) 60 064 cm² (9,310 sq. in.) 33.3 kPa (4.83 psi) 203 mm (8 in.) ±168 mm (±6.6 in.) 850J-II LGP PAT
Hydraulics Blade Type Type Pump, 74-cc System Relief Pressure Differential Pressure Maximum Flow at Unloaded High Idle Control Cylinders Type Electrical Voltage Capacity Alternator Rating Lights Undercarriage Tracks Track Gauge, Standard Grouser Width, Closed Center, Single Ba Chain Shoes, Each Side Track Rollers, Single Flange, Each Side Track Length on Ground Ground Contact Area Ground Pressure, Outside Dozer (OSD) Track Pitch Oscillation at Front Roller Blades Straight end bits included in weights.	OSD Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) T-bar hydraulic-pilot 2-function joystic 850J-II / 850J-II WLT / 850J-II LGP Heat-treated, chrome-plated, polishe 24 volts Battery 950 CCA Cab 80 amp Grille mounted (2), rear mounted (1), 850J-II Track frame with front and rear track treated, sealed, and lubricated track resistance; sprockets are segmented; 1880 mm (74 in.) r 610 mm (24 in.) Sealed and lubricated 40 7 2769 mm (109 in.) 33 755 cm² (5,232 sq. in.) 52.5 kPa (7.61 psi) 203 mm (8 in.) ±114 mm (±4.5 in.)	PAT Load-sense, piston pump 174 L/m (46 gpm) 24 993 kPa (3,625 psi) 1896 kPa (275 psi) 163 L/m (43 gpm) k T-bar hydraulic-pilot 2-function joysticed cylinder rods; hardened steel (replaceable de cylinder ro	850J-II LGP Jara-Trax™ features large deep-heat- Jara-Trax™ features for maximum wear the models) for severe applications 2388 mm (94 in.) 914 mm (36 in.) Sealed and lubricated 45 8 3284 mm (129 in.) 60 064 cm² (9,310 sq. in.) 33.3 kPa (4.83 psi) 203 mm (8 in.) ±168 mm (±6.6 in.) 850J-II LGP





Operator Station	850J-II / 850J-II WLT / 850J-II LGP		
ROPS (ISO 3471 – 2008) and FOPS (ISO 344			
Serviceability	850J-II	850J-II WLT	850J-II LGP
ROPS (ISO 3471 – 2008) and FOPS (ISO 34			
Fuel Tank with Lockable Cap	371 L (98 gal.)	371 L (98 gal.)	371 L (98 gal.)
Cooling System with Recovery Tank	35 L (9.2 gal.)	35 L (9.2 gal.)	35 L (9.2 gal.)
Engine Oil with Filter	26 L (7 gal.)	26 L (7 gal.)	26 L (7 gal.)
Reservoir with Filter			
Transmission	106 L (28 gal.)	106 L (28 gal.)	106 L (28 gal.)
Hydraulic	106 L (28 gal.)	106 L (28 gal.)	106 L (28 gal.)
Final Drive (per tractor)			
Inner	19 L (5 gal.)	31.8 L (8.4 gal.)	37.8 L (10 gal.)
Outer	31.8 L (8.4 gal.)	31.8 L (8.4 gal.)	31.8 L (8.4 gal.)
Operating Weights	850J-II	850J-II WLT	850J-II LGP
Blade Type	OSD	PAT	PAT
Base Weight (with standard equipment,	18 219 kg (40,165 lb.)	20 060 kg (44,225 lb.)	20 146 kg (44,414 lb.)
rollover protective structure [ROPS], full	_	_	_
fuel tank, and 79-kg [175 lb.] operator)			
Machine Dimensions			
A Overall Height to Roof	3175 mm (125 in. / 10 ft. 5 in.)	3175 mm (125 in. / 10 ft. 5 in.)	3175 mm (125 in. / 10 ft. 5 in.)
Overall Height to Exhaust Stack	3188 mm (125.5 in. / 10 ft. 5.5 in.)	3188 mm (125.5 in. / 10 ft. 5.5 in.)	3188 mm (125.5 in. / 10 ft. 5.5 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 with Grousers	409 mm (16.1 in.)	409 mm (16.1 in.)	409 mm (16.1 in.)
D Blade Width	3251 mm (128 in. / 10 ft. 8 in.)	4013 mm (158 in. / 13 ft. 2 in.)	4267 mm (168 in. / 14 ft. 0 in.)
E Blade Height	1422 mm (56 in. / 4 ft. 8 in.)	1229 mm (48 in. / 4 ft. 0 in.)	1229 mm (48 in. / 4 ft. 0 in.)
F Blade Lift Height	1151 mm (45 in. / 3 ft. 9 in.)	1072 mm (42 in. / 3 ft. 6 in.)	1072 mm (42 in. / 3 ft. 6 in.)
G Blade Digging Depth	599 mm (24 in.)	704 mm (28 in.)	704 mm (28 in.)
H Blade Tilt (uses tilt jack)	753 mm (30 in.)	533 mm (21 in.)	572 mm (23 in.)
Overall Length with Blade	5384 mm (212 in. / 17 ft. 8 in.)	5740 mm (226 in. / 18 ft. 10 in.)	5740 mm (226 in. / 18 ft. 10 in.)
Machine Dimensions (continued)	850J-II	850J-II WLT	850J-II LGP
Blade Type	OSD	PAT	PAT
J Overall Width with Blade Angled	=	3658 mm (144 in. / 12 ft. 0 in.)	3901 mm (154 in. / 12 ft. 10 in.)
K Blade Angle	_	23.8 deg.	23.8 deg.
L Cut Reach	_	145 mm (5.7 in.)	109 mm (4.3 in.)
	2489 mm (98 in. / 8 ft. 2 in.)	2997 mm (118 in. / 9 ft. 10 in)	3302 mm (130 in. / 10 ft 10 in)
M Width Over Track N Cast Reach	2489 mm (98 in. / 8 ft. 2 in.)	2997 mm (118 in. / 9 ft. 10 in.) 271 mm (10.7 in.)	3302 mm (130 in. / 10 ft. 10 in.) 234 mm (9.2 in.)





Re	ear Ripper	850J-II / 850J-II WLT / 850J-II LGP			
M	Multi-shank (3) parallelogram ripper with hydraulic pitch adjustment and ESCO® ripper tips				
W	eight	2032 kg (4,480 lb.)			
Р	Maximum Penetration	723.9 mm (28.5 in.)			
Q	Maximum Clearance Under Tip	610 mm (24 in.)			
R	Overall Length (lowered position)	1626 mm (5 ft. 4 in.)			
RI	Overall Length (raised position)	1525 mm (5 ft. 0 in.)			
S	Overall Beam Width	2400 mm (7 ft. 10 in.)			
Т	Slope Angle (full raise)	24 deg.			
U	Ripping Width	2146 mm (7 ft. 1 in.)			
٧	Distance Between Shanks	1041 mm (3 ft. 5 in.)			

