

C R A W L E R D O Z E R S

750C Series II



ENGINE		750C		
Type	John Deere 606T with altitude-compensating turbocharger			
Engine power	140 SAE net hp (104 kW) / 148 SAE gross hp (110 kW) @ 2,100 rpm			
Cylinders	6			
Displacement	414 cu. in. (6.8 L)			
Fuel consumption, typical	3.8 to 5.5 gal./hr. (14.4 to 20.8 L/h)			
Maximum net torque	420 lb.-ft. (570 Nm) @ 1,300 rpm			
Lubrication	pressure system with full-flow spin-on filter and oil-to-water cooler			
Air cleaner	dual stage dry type with safety element, precleaner, and underhood restriction indicator			
Electrical system	24 volt with 45-amp alternator			
Cooling fan	blower			
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; travel speeds (forward and reverse) infinite to 6.8 mph (0 to 11 km/h); ground-speed selection buttons on single-lever steering and direction control; independently selectable reverse speed ratios 80%, 100%, 115%, or 130% of forward ground speed; decelerator pedal controls ground speed to dead stop		
FINAL DRIVES		double-reduction, planetary final drives transfer torque loads over three gear sets; mounted independent of track frames and dozer push frames for isolation from shock loads		
STEERING		single-lever steering, direction, and ground-speed control provides smooth metered turns; full power turns, counterrotation, and infinitely variable track speeds provide unlimited maneuverability and optimal control; hydrostatic steering system eliminates steering clutches and brakes		
BRAKES		hydrostatic (dynamic) braking stops machine when the direction/steering control lever is moved to neutral, the decelerator is depressed to the end of travel, or the brake pedal is depressed		
AUTOMATIC PARKING BRAKE		this safety feature engages wet, multiple-disk brakes automatically whenever the engine stops, the operator applies the brake pedal, or the neutral start lever lock is in stop position; machine cannot be operated with brake applied		
HYDRAULIC SYSTEM				
System type	open center			
Pressure, system relief	2,000 psi (13 790 kPa)			
Pump type	gear			
Flow	38 gpm (144 L/min.) @ 2,100 rpm			
Filter, return oil	10 micron			
Control	standard - T-bar, two function / with All-Hydraulic (PAT) dozer blade - T-bar, three function			
Cylinders	heat-treated, chrome-plated, polished cylinder rods with hardened steel (replaceable bushings) pivot pins			
Cooling	convective oil sump			
CAPACITIES (U.S.)		750C LT	750C WT	750C LGP
Fuel tank with lockable cap	74 gal. (280 L)	74 gal. (280 L)	74 gal. (280 L)	74 gal. (280 L)
Cooling system with recovery tank	7 gal. (26.5 L)	7 gal. (26.5 L)	7 gal. (26.5 L)	7 gal. (26.5 L)
Engine oil with spin-on filter	20 qt. (19 L)	20 qt. (19 L)	20 qt. (19 L)	20 qt. (19 L)
Final drive (each)				
1st reduction	6.25 gal. (23.6 L)	6.25 gal. (23.6 L)	7.35 gal. (27.8 L)	7.35 gal. (27.8 L)
2nd reduction	3.25 gal. (12.3 L)	3.25 gal. (12.3 L)	3.25 gal. (12.3 L)	3.25 gal. (12.3 L)
Hydraulic system reservoir	18 gal. (68 L)	18 gal. (68 L)	18 gal. (68 L)	18 gal. (68 L)
Hydrostatic transmission reservoir	22 gal. (84 L)	22 gal. (84 L)	22 gal. (84 L)	22 gal. (84 L)
UNDERCARRIAGE		seven-roller track frame with front and rear track guides and sprocket guard; John Deere Dura-Trac™ 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		
Chain	sealed and lubed	sealed and lubed	sealed and lubed	sealed and lubed
Grouser width	22 in. (560 mm)	34 in. (865 mm)	34 in. (865 mm)	34 in. (865 mm)
Shoes, each side	40	42	42	42
Ground contact area	4,488 sq. in. (28 955 cm ²)	6,306 sq. in. (44 748 cm ²)	7,446 sq. in. (48 028 cm ²)	7,446 sq. in. (48 028 cm ²)
Ground pressure	7.1 psi (49.0 kPa)	4.8 psi (33.2 kPa)	4.9 psi (33.9 kPa)	4.9 psi (33.9 kPa)
Ground clearance, minimum				
With single-bar grouser (excluding grouser height)	14.6 in. (371 mm)	14.6 in. (371 mm)	14.6 in. (371 mm)	14.6 in. (371 mm)
With swamp shoe (including grouser height)		17.2 in. (437 mm)		
Length of track on ground	102 in. (2591 mm)	102 in. (2591 mm)	109.5 in. (2781 mm)	109.5 in. (2781 mm)
Track gauge, standard	74 in. (1880 mm)	74 in. (1880 mm)	82 in. (2083 mm)	82 in. (2083 mm)
Oscillation at front roller	9.4 in. (238 mm)*	9.4 in. (238 mm)	8.3 in. (210 mm)	8.3 in. (210 mm)
Track rollers each side	7	7	7	7
Track pitch	7.5 in. (190 mm)	7.5 in. (190 mm)	7.5 in. (190 mm)	7.5 in. (190 mm)
*7.8 in. (197 mm) with PAT blade.				

DIMENSIONS

	A Overall height to roof	Overall height to exhaust stack	B Tread depth with single-bar grousers		Tread depth with swamp shoes	C Ground clearance with grousers
			Moderate duty	Extreme duty		
750C LT.....	120.7 in. (3065 mm)	124.6 in. (3115 mm)	2.2 in. (56 mm)		2.7 in. (68 mm)	14.6 in. (371 mm)
750C WT.....	120.7 in. (3065 mm)	124.6 in. (3115 mm)	2.2 in. (56 mm)	3.15 in. (80 mm)		14.6 in. (371 mm)
750C LGP.....	120.7 in. (3065 mm)	124.6 in. (3115 mm)	2.2 in. (56 mm)			14.6 in. (371 mm)

	D Blade width	E Blade height	F Blade lift height	G Blade digging depth	H Blade tilt (uses tilt jack)	I Overall length with blade	J Overall width with blade angled
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750C LT

All-Hydraulic							
(PAT) Dozer.....	129.3 in. (3283 mm)	47.0 in. (1193 mm)	35.4 in. (899 mm)	33.4 in. (851 mm)	16.2 in. (413 mm)	195.1 in. (4955 mm)**	118.5 in. (3011 mm)
Semi-U (High Production)							
	126.6 in. (3218 mm)	50.5 in. (1283 mm)	42.2 in. (1072 mm)	20.2 in. (513 mm)	27.6 in. (700 mm)	197.3 in. (5011 mm)*	N/A
Semi-U (Low Profile)							
	126.6 in. (3218 mm)	43.3 in. (1100 mm)	42.2 in. (1072 mm)	20.2 in. (513 mm)	27.6 in. (700 mm)	197.3 in. (5011 mm)*	N/A

*Optional extended drawbar adds 7 in. (178 mm).

**Optional extended drawbar adds 8.9 in. (223 mm).

750C WT

Semi-U (Low Profile) blade available through Custom Engineering.

Semi-U (High Production)							
	144 in. (3658 mm)	45.0 in. (1143 mm)	42.2 in. (1072 mm)	20.2 in. (513 mm)	37.6 in. (955 mm)	197.3 in. (5011 mm)*	N/A
Straight							
	132.4 in. (3383 mm)	38.4 in. (976 mm)	42.2 in. (1072 mm)	20.2 in. (513 mm)	34.6 in. (878 mm)	195.1 in. (4977 mm)**	N/A

*Optional extended drawbar adds 7 in. (178 mm).

**Optional extended drawbar adds 8.9 in. (223 mm).

750C LGP

All-Hydraulic (PAT) Dozer							
	152.0 in. (3861 mm)	45.0 in. (1143 mm)	35.4 in. (899 mm)	33.4 in. (851 mm)	19.1 in. (484 mm)	193.5 in. (4916 mm)**	139.4 in. (3541 mm)

**Optional extended drawbar adds 8.9 in. (223 mm).

	K Blade angle	L Cut reach	M Width over track	N Cast reach	O Cutting edge angle
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750C LT

All-Hydraulic (PAT) Dozer					
	24 degrees	3.5 in. (89 mm)	96 in. (2438 mm)	12.8 in. (326 mm)	58 degrees

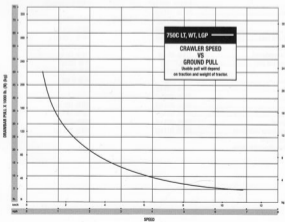
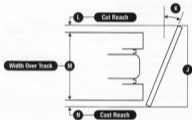
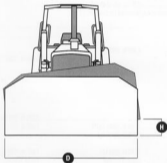
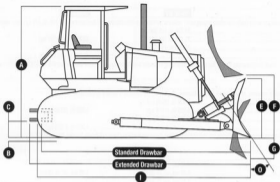
750C LGP

All-Hydraulic (PAT) Dozer					
	24 degrees	5.7 in. (144 mm)	116 in. (2948 mm)	14.4 in. (366 mm)	60 degrees

DRAWBAR PULL

750C

Maximum.....	51,000 lb. (227 kN)
At 1.2 mph (1.9 km/h).....	31,800 lb. (141 kN)
At 2.0 mph (3.2 km/h).....	20,200 lb. (90 kN)



SAE OPERATING WEIGHTS

750C LT

750C WT

750C L&P

Base weights were computed for units with standard equipment, rollover protective structures, full fuel tanks, and 175-lb. (79 kg) operators.

All-Hydraulic (PAT) Dozer	33,736 lb. (15,300 kg)		36,576 lb. (16,588 kg)
Semi-U (High Production)	31,712 lb. (14,382 kg)	33,843 lb. (15,367 kg)	
Semi-U (Low Profile)	31,585 lb. (14,324 kg)		
Straight		33,324 lb. (15,113 kg)	

Refer to Attachment and Custom Engineering Guide for details regarding Straight and Mechanical Angle blades for the 750C LT.

BLADE WEIGHTS

Includes push beams, trunnion mounts, straight and bits, C-frames, angle and tilt cylinders where applicable.

All-Hydraulic (PAT) Dozer	4,839 lb. (2,240 kg)		5,024 lb. (2,278 kg)
Semi-U (High Production)	4,355 lb. (1,975 kg)	4,609 lb. (2,120 kg)	
Semi-U (Low Profile)	4,225 lb. (1,916 kg)		
Straight		4,090 lb. (1,855 kg)	

Refer to Attachment and Custom Engineering Guide for details regarding Straight and Mechanical Angle blades for the 750C LT.

BLADE CAPACITIES

All-Hydraulic (PAT) Dozer	4.60 cu. yd. (3.52 m ³)		4.84 cu. yd. (3.70 m ³)
Semi-U (High Production)	5.60 cu. yd. (4.28 m ³)	5.60 cu. yd. (4.28 m ³)	
Semi-U (Low Profile)	4.37 cu. yd. (3.34 m ³)		
Straight		3.25 cu. yd. (2.46 m ³)	

Refer to Attachment and Custom Engineering Guide for details regarding Straight and Mechanical Angle blades for the 750C LT.

OPTIONAL OR SPECIAL EQUIPMENT

Complete push beam assemblies for straight or

semi-U blades, rakes, Stingers®, etc.	1,700 lb. (772 kg)*	1,903 lb. (863 kg)	
Complete PAT dozer C-frame assembly	2,634 lb. (1,285 kg)		2,834 lb. (1,285 kg)*

Tracks - Dura-Trax™ lubricated chain with split master link

Single-bar grousers			
22-in. (560 mm) moderate duty	5,056 lb. (2,293 kg)*		
22-in. (560 mm) extreme duty	5,400 lb. (2,449 kg)		
24-in. (610 mm) moderate duty	5,340 lb. (2,422 kg)		
26-in. (710 mm) moderate duty			6,322 lb. (2,867 kg)
34-in. (865 mm) moderate duty		6,756 lb. (3,064 kg)**	7,063 lb. (3,217 kg)*
Swamp shoe - 34-in. (865 mm)		6,366 lb. (2,887 kg)	

Cab with pressurizer and heater

Without air conditioner	2,080 lb. (944 kg)	2,080 lb. (944 kg)	2,080 lb. (944 kg)
With air conditioner	256 lb. (117 kg)	256 lb. (117 kg)	256 lb. (117 kg)
ROPS	1,430 lb. (649 kg)*	1,430 lb. (649 kg)*	1,430 lb. (649 kg)*

Rock guard, center section	353 lb. (160 kg)		
Drawbar, rigid	154 lb. (70 kg)*	154 lb. (70 kg)*	154 lb. (70 kg)*
Drawbar, extended rigid	282 lb. (128 kg)	282 lb. (128 kg)	282 lb. (128 kg)
Limb risers (ROPS canopy and cab)	540 lb. (245 kg)	540 lb. (245 kg)	540 lb. (245 kg)
Rear screen (ROPS canopy)	75 lb. (34 kg)	75 lb. (34 kg)	75 lb. (34 kg)
Rear screen (cab with air conditioner)	110 lb. (50 kg)	110 lb. (50 kg)	110 lb. (50 kg)
Side screens (ROPS canopy and cab)	70 lb. (32 kg)	70 lb. (32 kg)	70 lb. (32 kg)
Cylinder hose guards	65 lb. (30 kg)	65 lb. (30 kg)	65 lb. (30 kg)
Prescreener guard	15 lb. (7 kg)	15 lb. (7 kg)	15 lb. (7 kg)

Track cleaner bars, front	275 lb. (125 kg)		
Track cleaner bars, rear	475 lb. (215 kg)		
Tank guard	950 lb. (431 kg)	950 lb. (431 kg)	950 lb. (431 kg)
Lift cylinder guards	120 lb. (55 kg)	120 lb. (55 kg)	120 lb. (55 kg)
Extreme-service bottom guard	280 lb. (127 kg)	280 lb. (127 kg)	280 lb. (127 kg)
Heavy-duty transverse case cover with doors	698 lb. (317 kg)	698 lb. (317 kg)	698 lb. (317 kg)

*Included in SAE operating weight.

†Single-bar grouser or pyramid swamp shoes.

ADDITIONAL EQUIPMENT

	750C LT	750C MT	750C LSP		750C LT	750C MT	750C LSP
ENGINE				OPERATOR'S STATION			
Air cleaner, dual-stage aspirated type	●	●	●	Built-in diagnostics	●	●	●
Air cleaner restriction indicator	●	●	●	●	●	●	●
Blower fan	●	●	●	●	●	●	●
Coilant recovery tank	●	●	●	Built-in Operator's Manual storage compartment and manual	●	●	●
Electric ether start aid	●	●	●	●	●	●	●
Enclosed safety fan guard (conforms to SAE J1330)	●	●	●	●	●	●	●
Engine coolant (-34°F to -37°C)	●	●	●	Air conditioning, 33,000 Btu*	●	●	●
Oil-to-water engine oil cooler	●	●	●	●	●	●	●
Procleaner	●	●	●	40,000 Btu/hr. (11.7 kW) (conforms to SAE J1933, J11292) / Front window	●	●	●
Spin-on fuel filter	●	●	●	and two door windshield wipers/washers	●	●	●
Trash-resistant radiator	●	●	●	Deluxe suspension vinyl seat	●	●	●
Turbocharger	●	●	●	●	●	●	●
Underhood muffler with vertical exhaust stack	●	●	●	Adjustable armrests, thigh support, backrest, height/weight, and fore-aft (conforms to SAE J209)	●	●	●
Water separator	●	●	●	Deluxe suspension cloth seat	●	●	●
Engine coolant heater, 1,800 watts, 120 volts	●	●	●	●	●	●	●
Prescreener guard	●	●	●	Deluxe air suspension vinyl end cloth seat	●	●	●
Radiator sand screen	●	●	●	Electronic monitor system with audible and visual warning	●	●	●
Reversible fan	●	●	●	●	●	●	●
Chrome exhaust stack	●	●	●	Air restriction / Coolant heater / Engine oil pressure / Ether injection on / Fasten seat belt / Hydraulic filter restriction / Low alternator voltage / Transmission filter restriction / Transmission malfunction / Transmission return to neutral / Transmission temperature	●	●	●
POWER TRAIN				Engine rpm digital display (selectable)			
Automatic applied, hydrostatic-released park brake, pedal operated	●	●	●	●	●	●	●
Oil-to-air transmission cooler	●	●	●	●	●	●	●
Dual-path hydrostatic transmission	●	●	●	●	●	●	●
Guard, built-in final drive seal	●	●	●	●	●	●	●
Transmission neutral lock with starter safety switch	●	●	●	●	●	●	●
Transmission diagnostic test ports	●	●	●	●	●	●	●
Remote transmission diagnostic test ports	●	●	●	●	●	●	●
Wrench drive	●	●	●	●	●	●	●
ELECTRICAL				Engine rpm digital display (selectable)			
Bypass start safety cover at starter	●	●	●	●	●	●	●
Dual batteries, 300 amp. reserve capacity, 525 CCA	●	●	●	●	●	●	●
Master electrical disconnect switch, lockable	●	●	●	●	●	●	●
HYDRAULIC SYSTEM				Overall Vehicle			
Lift cylinders	●	●	●	●	●	●	●
"O" ring face seal fittings	●	●	●	●	●	●	●
Quick-drop hydraulic valve	●	●	●	●	●	●	●
All-Hydraulic (PAT) dozer blade with grille "up-loop" plumbing	●	●	●	●	●	●	●
Hydraulic system	●	●	●	●	●	●	●
Two-spool	●	●	●	●	●	●	●
Three-spool	●	●	●	●	●	●	●
Four-spool	●	●	●	●	●	●	●
Auxiliary hydraulic lines to rear	●	●	●	●	●	●	●
Oil sampling test kit	●	●	●	●	●	●	●
UNDERCARRIAGE				Overall Vehicle			
Chain guides	●	●	●	●	●	●	●
Front idler and bolt-on sprocket chain guides	●	●	●	●	●	●	●
Sealed and lubricated chain	●	●	●	●	●	●	●
Oscillating track-frame system	●	●	●	●	●	●	●
Tracks, Dura-Trax™ lubricated chain with split master link	●	●	●	●	●	●	●
22-in. (560 mm) moderate-duty single-bar grouzers	●	●	●	●	●	●	●
22-in. (560 mm) extreme-duty single-bar grouzers	●	●	●	●	●	●	●
26-in. (660 mm) moderate-duty single-bar grouzers	●	●	●	●	●	●	●
28-in. (710 mm) moderate-duty single-bar grouzers	●	●	●	●	●	●	●
34-in. (860 mm) moderate-duty single-bar grouzers	●	●	●	●	●	●	●
34-in. (860 mm) swamp shoes*	●	●	●	●	●	●	●
Bolt-on full-length rock guards	●	●	●	●	●	●	●
LIGHTS				Overall Vehicle			
Two front driving/working and one rear working halogen, 33,000 candlepower (375 LUX lux each)	●	●	●	●	●	●	●

KEY: ● Standard equipment ■ Optional or special equipment

*See your John Deere dealer for further information.



Net engine power is with standard equipment including air cleaner, exhaust collector, alternator, and cooling fan, at standard conditions per SAE J1994 and ISO 9239, using 1.0 bar at 33.45° (95°) F. No derating is required up to 10,000 ft. (3048 m) altitude. Derate power as indicated on the chart.

Also available: winches, bar tracks, log skids, skidding grapple, track carriers, skid® protection packages, roller shoes, roller boots, full featured skid for ROPS, ROPS hood, and the top-protection system.

Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on units with standard production options. Full track bars: 110 in. (2794 mm) standard, and optional equipment: 750C LT and MT with 22-in. (560 mm) moderate-duty grouzers, rigid dozers, and Special (High-Production) blade, and 750C LT and LSP with 34-in. (860 mm) single-bar grouzers and rigid dozers.

