D O Z E R S O V E R 1 0 0 H P

750C 850C

Here's all you need for a productive day at the "office"

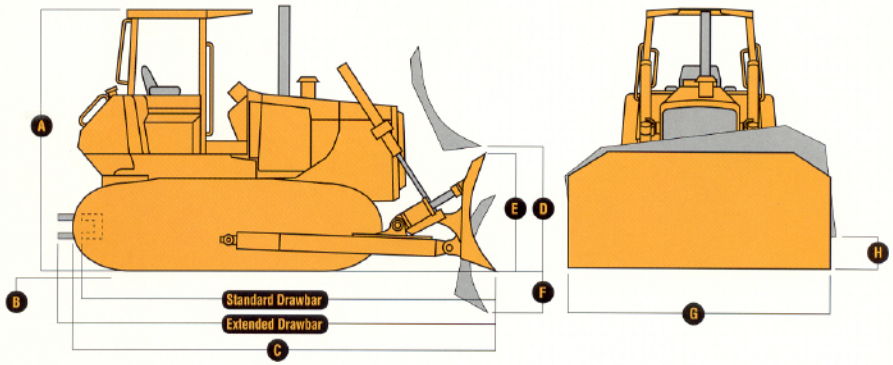
Like a well-appointed office, this all-new operator station and redesigned dozer blade helps you do more work. Comfortably and efficiently.

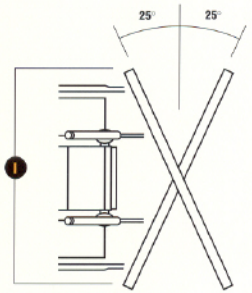
Visibility with or without cab is unrestricted. The "cab forward" design places the operator closer to the front for a commanding view of the blade. And the slightly sloped side and rear sheetmetal further opens up the work area.

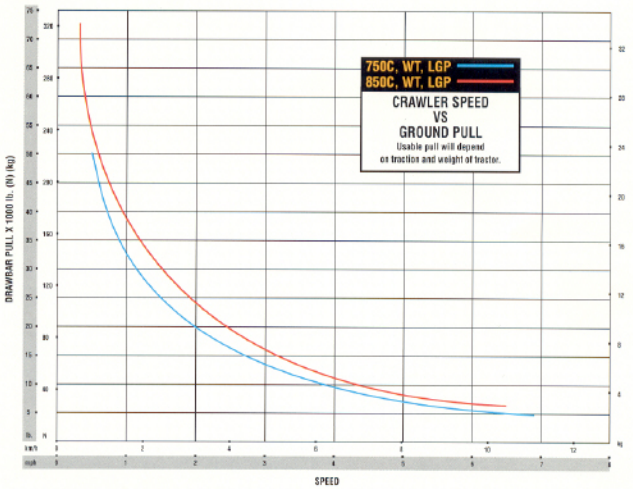
A single lever controls both direction and steering. Programmed modulation provides smooth starts and direction changes, virtually eliminating jerky and abrupt movements.

The low-effort, direct-acting dozer control operates just as smoothly. Connected to the hydraulic valve by a mechanical linkage, it gives that familiar "feel" of the work at hand.

Short-throw lever gives near-effortless steering and direction control, freeing your feet for operating the decelerator or for bracing yourself on slopes. Travel speed is controlled by a separate lever that's unaffected by direction changes. Or simply set maximum desired speed and forget it—and let automatic load sensing do the "shifting" for you.







DRAWBAR PULL	750C	850C
Maximum	51,000 lb. (227 kN)	72,000 lb. (320 kN)
At 1.2 mph (1.9 km/h)	31,800 lb. (141 kN)	35,200 lb. (156 kN)
At 2.0 mph (3.2 km/h)	20,200 lb. (90 kN)	25,300 lb. (112 kN)

DIMENSIONS

	A Overall height to roof	Overall height to exhaust stack	B Tread depth with single-bar grouser		Tread depth with swamp shoe
			Moderate duty	*Extreme duty*	
750C	120.7 in. (3065 mm)	124.6 in. (3115 mm)	2.2 in. (56 mm)	2.7 in. (68 mm)	
750C WT	120.7 in. (3065 mm)	124.6 in. (3115 mm)	2.2 in. (56 mm)		3.15 in. (80 mm)
750C LGP	120.7 in. (3065 mm)	124.6 in. (3115 mm)	2.2 in. (56 mm)		
850C	124.0 in. (3151 mm)	124.8 in. (3119 mm)	2.6 in. (65 mm)	2.83 in. (72 mm)	
850C WT	124.0 in. (3151 mm)	124.8 in. (3119 mm)	2.6 in. (65 mm)		
850C LGP	124.0 in. (3151 mm)	124.8 in. (3119 mm)	2.6 in. (65 mm)		3.66 in. (93 mm)

	C Overall length with blade	D Blade lift height	E Blade height	F Digging depth	G Blade width	H Maximum tilt (uses tilt jack)	I Overall width with blade angled
750C							
All-Hydraulic Dozer (PAT)	195.1 in. (4955 mm)**	35.4 in. (899 mm)	47.0 in. (1193 mm)	33.4 in. (851 mm)	129.3 in. (3283 mm)	16.2 in. (413 mm)	118.5 in. (3011 mm)
Semi-U (High Production)	197.3 in. (4932 mm)**	42.2 in. (1072 mm)	50.5 in. (1283 mm)	20.2 in. (513 mm)	126.6 in. (3216 mm)	27.6 in. (700 mm)	126.6 in. (3216 mm)
Semi-U (Low Profile)	197.4 in. (4934 mm)**	42.2 in. (1072 mm)	43.3 in. (1100 mm)	20.2 in. (513 mm)	126.6 in. (3216 mm)	27.6 in. (700 mm)	126.6 in. (3216 mm)
Straight	195.1 in. (4877 mm)**	42.2 in. (1072 mm)	38.4 in. (976 mm)	20.2 in. (513 mm)	120.4 in. (3058 mm)	26.2 in. (666 mm)	120.4 in. (3058 mm)
Angle Dozer	196.8 in. (4921 mm)**	39.3 in. (998 mm)	38.4 in. (976 mm)	23.8 in. (604 mm)	135.6 in. (3444 mm)	12.8 in. (324 mm)	149.5 in. (3797 mm)
750C WT							
Straight	195.1 in. (4877 mm)*	42.2 in. (1072 mm)	38.4 in. (976 mm)	20.2 in. (513 mm)	132.4 in. (3363 mm)	34.6 in. (878 mm)	132.4 in. (3363 mm)
750C LGP							
All-Hydraulic Dozer (PAT)	193.5 in. (4916 mm)**	35.4 in. (899 mm)	45 in. (1143 mm)	33.4 in. (851 mm)	152 in. (3861 mm)	19.1 in. (484 mm)	139.4 in. (3541 mm)
850C							
Semi-U (High Production)	210.5 in. (5262 mm)***	43.3 in. (1100 mm)	56.5 in. (1435 mm)	20.2 in. (513 mm)	128.3 in. (3259 mm)	28.7 in. (730 mm)	128.3 in. (3259 mm)
Semi-U (Low Profile)	210.6 in. (5265 mm)***	43.3 in. (1100 mm)	46.4 in. (1179 mm)	20.2 in. (513 mm)	137.8 in. (3500 mm)	31.0 in. (787 mm)	137.8 in. (3500 mm)
Straight	207.1 in. (5177 mm)***	43.3 in. (1100 mm)	44.5 in. (1130 mm)	20.2 in. (513 mm)	123.0 in. (3124 mm)	27.6 in. (700 mm)	123.0 in. (3124 mm)
Angle Dozer	211.1 in. (5277 mm)***	38.8 in. (985 mm)	40.3 in. (1024 mm)	18.7 in. (475 mm)	152.0 in. (3861 mm)	13.2 in. (336 mm)	138.0 in. (3505 mm)

NOTE: All-Hydraulic Dozer Blade for the 850C available through Custom Engineering.

850C WT							
Semi-U (High Production)	207.1 in. (5176 mm)*	43.3 in. (1100 mm)	56.0 in. (1422 mm)	20.2 in. (513 mm)	140.0 in. (3556 mm)	34.6 in. (878 mm)	140.0 in. (3556 mm)
850C LGP							
Straight	219.4 in. (5485 mm)***	42.5 in. (1080 mm)	42.0 in. (1067 mm)	16.9 in. (429 mm)	152 in. (3861 mm)	35.9 in. (912 mm)	152 in. (3861 mm)

* Optional extended drawbar adds 7 in. (176 mm).

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

*** Optional extended drawbar adds 10.1 in. (253 mm).

BLADE CAPACITY	750C	750C WT	750C LGP	850C	850C WT	850C LGP
All-Hydraulic Dozer (PAT)	4.60 cu. yd. (3.52 m³)		4.84 cu. yd. (3.70 m³)			
Semi-U (High Production)	5.60 cu. yd. (4.28 m³)			7.10 cu. yd. (5.40 m³)	8.10 cu. yd. (6.19 m³)	
Semi-U (Low Profile)	4.37 cu. yd. (3.34 m³)			5.45 cu. yd. (4.17 m³)		
Straight	2.95 cu. yd. (2.26 m³)	3.25 cu. yd. (2.48 m³)		4.01 cu. yd. (3.07 m³)		4.47 cu. yd. (3.42 m³)
Angle Dozer	3.37 cu. yd. (2.58 m³)			3.77 cu. yd. (2.88 m³)		

BLADE WEIGHT						
Includes push beams, trunnion mounts, straight end bits, C-frames, angle and tilt cylinders where applicable.						
All-Hydraulic Dozer (PAT)	4,939 lb. (2240 kg)		5,024 lb. (2278 kg)			
Semi-U (High Production)	4,355 lb. (1975 kg)			5,135 lb. (2329 kg)	5,495 lb. (2491 kg)	
Semi-U (Low Profile)	4,225 lb. (1916 kg)			5,020 lb. (2277 kg)		
Straight	3,744 lb. (1698 kg)	4,090 lb. (1855 kg)		4,459 lb. (2022 kg)		5,213 lb. (2364 kg)
Angle Dozer	4,575 lb. (2075 kg)			5,157 lb. (2339 kg)		

SAE OPERATING WEIGHT						
All-Hydraulic Dozer (PAT)	33,736 lb. (15 300 kg)		36,576 lb. (16 588 kg)			
Semi-U (High Production)	31,712 lb. (14 382 kg)			40,155 lb. (18 211 kg)	40,329 lb. (18 290 kg)	
Semi-U (Low Profile)	31,585 lb. (14 324 kg)			40,038 lb. (18 158 kg)		
Straight	31,102 lb. (14 105 kg)	33,324 lb. (15 113 kg)		39,475 lb. (17 902 kg)		42,800 lb. (19 410 kg)
Angle Dozer	31,935 lb. (14 483 kg)			40,173 lb. (18 219 kg)		

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)		2,083 lb. (946 kg)	2,192 lb. (994 kg)	2,298 lb. (1042 kg)*
Complete mechanical angle dozer C-frame assembly	2,582 lb. (1172 kg)			2,950 lb. (1339 kg)*		
Complete PAT dozer C-frame assembly	2,834 lb. (1285 kg)		2,834 lb. (1285 kg)*			
Tracks – Dura-Trax™ lubricated chain with split master link						
Single bar grousers						
22-in. (560 mm) moderate duty	5,056 lb. (2293 kg)*			5,762 lb. (2613 kg)	5,762 lb. (2613 kg)	
22-in. (560 mm) extreme duty	5,400 lb. (2449 kg)			6,273 lb. (2846 kg)	6,273 lb. (2846 kg)	
24-in. (610 mm) moderate duty	5,340 lb. (2422 kg)			6,035 lb. (2737 kg)	6,035 lb. (2737 kg)	
24-in. (610 mm) extreme duty				6,611 lb. (2998 kg)*	6,611 lb. (2998 kg)	
28-in. (710 mm) moderate duty			6,322 lb. (2867 kg)			
30-in. (760 mm) moderate duty				6,824 lb. (3095 kg)*		
34-in. (865 mm) moderate duty		6,756 lb. (3064 kg)*	7,093 lb. (3217 kg)*			
38-in. (965 mm) moderate duty						9,005 lb. (4084 kg)*
Swamp shoes						
34-in. (865 mm) swamp shoe	6,366 lb. (2887 kg)					
36.5-in. (928 mm) swamp shoe						7,768 lb. (3523 kg)
Cab with pressurizer, heater, and 50-amp alternator without air conditioner	1,958 lb. (888 kg)	1,958 lb. (888 kg)	1,958 lb. (888 kg)	1,958 lb. (888 kg)	1,958 lb. (888 kg)	1,958 lb. (888 kg)
Air conditioner	256 lb. (117 kg)	256 lb. (117 kg)	256 lb. (117 kg)	256 lb. (117 kg)	256 lb. (117 kg)	256 lb. (117 kg)
ROPS	1,224 lb. (555 kg)*	1,224 lb. (555 kg)*	1,224 lb. (555 kg)*	1,224 lb. (555 kg)*	1,224 lb. (555 kg)*	1,224 lb. (555 kg)*
Rock guard, center section	353 lb. (160 kg)			443 lb. (201 kg)*	443 lb. (201 kg)	
Drawbar, rigid	154 lb. (70 kg)*	154 lb. (70 kg)*	154 lb. (70 kg)*	112 lb. (51 kg)	112 lb. (51 kg)	112 lb. (51 kg)*
Drawbar, extended rigid	282 lb. (128 kg)	282 lb. (128 kg)	282 lb. (128 kg)	282 lb. (128 kg)*	282 lb. (128 kg)*	282 lb. (128 kg)
Limb risers (cab and ROPS canopy)	540 lb. (245 kg)	540 lb. (245 kg)	540 lb. (245 kg)	550 lb. (240 kg)	550 lb. (240 kg)	550 lb. (240 kg)
Rear screen (ROPS canopy)	75 lb. (34 kg)	75 lb. (34 kg)	75 lb. (34 kg)	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)	110 lb. (50 kg)	110 lb. (50 kg)	110 lb. (50 kg)
Side screens (ROPS canopy)	70 lb. (32 kg)	70 lb. (32 kg)	70 lb. (32 kg)	70 lb. (32 kg)	70 lb. (32 kg)	70 lb. (32 kg)
Side, door, and front screens (cab)	190 lb. (86 kg)	190 lb. (86 kg)	190 lb. (86 kg)	190 lb. (86 kg)	190 lb. (86 kg)	190 lb. (86 kg)
Front enclosure (ROPS canopy)	210 lb. (95 kg)	210 lb. (95 kg)	210 lb. (95 kg)	210 lb. (95 kg)	210 lb. (95 kg)	210 lb. (95 kg)
Tank guard	950 lb. (431 kg)	950 lb. (431 kg)	950 lb. (431 kg)	1,100 lb. (500 kg)	1,100 lb. (500 kg)	1,100 lb. (500 kg)
Lift cylinder guards	120 lb. (55 kg)	120 lb. (55 kg)	120 lb. (55 kg)	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)	350 lb. (159 kg)	350 lb. (159 kg)	350 lb. (159 kg)
Heavy-duty transverse case cover with doors	698 lb. (317 kg)	698 lb. (317 kg)	698 lb. (317 kg)	944 lb. (428 kg)*	944 lb. (428 kg)	944 lb. (428 kg)

* Included in SAE operating weight.

ENGINE	750C	850C
Type	John Deere 6068T with altitude-compensating turbocharger	John Deere 6081A with altitude-compensating turbocharger; aftercooled
Engine power	140 SAE net hp (104 kW) / 148 SAE gross hp (110 kW) @ 2,100 rpm	185 SAE net hp (138 kW) / 192 SAE gross hp (143 kW) @ 1,800 rpm
Cylinders	6	6
Displacement	414 cu. in. (6.785 L)	494 cu. in. (8.1 L)
Fuel consumption, typical	3.8 to 5.5 gal./hr. (14.4 to 20.8 L/h)	4.6 to 7.0 gal./hr. (17.4 to 26.5 L/h)
Maximum net torque	420 lb.-ft. (570 Nm) @ 1,300 rpm	601 lb.-ft. (815 Nm) @ 1,300 rpm
Lubrication	pressure system with full-flow spin-on filter and oil-to-water cooler	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	dual stage dry type with safety element, precleaner, and underhood restriction indicator
Electrical system	24 volt with 40-amp alternator	24 volt with 40-amp alternator
Cooling fan	blower	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)

FINAL DRIVES

double-reduction, planetary final drives transfer torque loads over three gear sets instead of one; mounted independently of the track frames to isolate them from shock loads for increased life and reliability

BRAKES

hydrostatic (dynamic) braking stops the machine when the direction/steering control lever is moved to neutral; wet, multi-disk parking brakes are automatically applied when the engine stops, or operator applied when the center brake pedal is engaged

STEERING

single lever steering and direction control with decelerator or optional steering pedals and U-pattern FNR lever without decelerator; full power turns, counterrotation, and infinitely variable track speeds provide unlimited maneuverability and optimum control; hydrostatic steering eliminates steering clutches and brakes

HYDRAULIC SYSTEM		
System	open center	open center
Pressure, system relief	2,250 psi (15 514 kPa)	2,250 psi (15 514 kPa)
All-Hydraulic Dozer	2,000 psi (13 790 kPa)	
Pump	gear	gear
Flow	38 gpm (144 L/min.) @ 2,100 rpm	44 gpm (166 L/min.) @ 2,100 rpm

REFILL CAPACITIES (U.S.)	750C	750C WT	750C LGP	850C	850C WT	850C LGP
Fuel tank with lockable cap	74 gal. (280.1 L)	74 gal. (280.1 L)	74 gal. (280.1 L)	92 gal. (348 L)	92 gal. (348 L)	92 gal. (348 L)
Cooling system with coolant recovery tank	7 gal. (26.5 L)	7 gal. (26.5 L)	7 gal. (26.5 L)	9 gal. (34 L)	9 gal. (34 L)	9 gal. (34 L)
Engine oil including spin-on filter	20 qt. (19 L)	20 qt. (19 L)	20 qt. (19 L)	34 qt. (32.2 L)	34 qt. (32.2 L)	34 qt. (32.2 L)
Final drive (each)						
1st reduction	6.25 gal. (23.6 L)*	6.25 gal. (23.6 L)	7.35 gal. (27.8 L)	3.25 gal. (12.3 L)	4.35 gal. (16.5 L)	10.00 gal. (37.9 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)	3.25 gal. (12.3 L)	3.25 gal. (12.3 L)
Hydraulic system reservoir	18 gal. (67 L)	18 gal. (67 L)	18 gal. (67 L)	21 gal. (81 L)	21 gal. (81 L)	21 gal. (81 L)
Hydrostatic transmission reservoir	22 gal. (84 L)	22 gal. (84 L)	22 gal. (84 L)	27 gal. (103 L)	27 gal. (103 L)	27 gal. (103 L)

*With either standard or All-Hydraulic Dozer (PAT) blade.

UNDERCARRIAGE

seven-roller 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 for severe applications on some models

Grouser width	22 in. (560 mm)	34 in. (865 mm)	34 in. (865 mm)	24 in. (610 mm)	30 in. (762 mm)	38 in. (965 mm)
Shoes, each side	40	40	42	40	40	43
Ground contact area	4,488 sq. in. (28 952 cm²)	6,923 sq. in. (44 669 cm²)	7,446 sq. in. (48 038 cm²)	5,200 sq. in. (33 550 cm²)	6,480 sq. in. (41 803 cm²)	9,151 sq. in. (59 039 cm²)
Ground pressure	7.1 psi (49 kPa)	4.81 psi (33.2 kPa)	4.91 psi (33.9 kPa)	7.7 psi (53.1 kPa)	6.2 psi (42.8 kPa)	4.67 psi (32.17 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)	16.4 in. (417 mm)	16.4 in. (417 mm)	16.4 in. (417 mm)
With swamp shoe (including grouser height)		17.2 in. (437 mm)				19.3 in. (490 mm)
Length of track on ground	102 in. (2591 mm)	102 in. (2591 mm)	109.5 in. (2781 mm)	108 in. (2743 mm)	108 in. (2743 mm)	120 in. (3048 mm)
Track gauge, standard	74 in. (1880 mm)	74 in. (1880 mm)	82 in. (2083 mm)	74 in. (1880 mm)	80 in. (2032 mm)	88 in. (2235 mm)
Oscillation (at front idler)	11.5 in. (292 mm)*	11.5 in. (292 mm)	8.3 in. (210 mm)	11.5 in. (292 mm)	11.5 in. (292 mm)	15.7 in. (399 mm)
Track rollers each side	7	7	7	7	7	7
Track pitch	7.5 in. (190 mm)	7.5 in. (190 mm)	7.5 in. (190 mm)	8 in. (203 mm)	8 in. (203 mm)	8 in. (203 mm)

*8.3 in. (210 mm) with All-Hydraulic Dozer (PAT) blade.

Forestry and landfill packages, as well numerous other items are available to provide extra protection in severe-duty or heavy trash environments.

Want an excellent grading tractor? The 750C LGP comes equipped with 28- or 34-inch grousers, 110-inches of track on the ground, and all-hydraulic PAT blade.

With the C-Series, the possibilities are nearly endless

BLADE CHOICES

	All-Hydraulic PAT	High-Production Semi-U	Low-Profile Semi-U	Mechanical Angle	Straight
750C	X	X	X	X	X
750C WT			X*		X
750C LGP	X				
850C	X*	X	X	X	X
850C WT	X*	X			
850C LGP			X*		X

** available through Custom Engineering*

UNDERCARRIAGE CHOICES

	22 IN.	24 IN.	28 IN.	30 IN.	34 IN.	36 IN.	38 IN.
750C	X	X					
750C WT					X*		
750C LGP			X		X		
850C	X	X					
850C WT	X	X		X			
850C LGP						X**	X

** single bar grouser or pyramid swamp shoes* ***pyramid swamp shoes*

Check these charts for blade and undercarriage options for the specific model you have in mind. Then see your dealer for details.

It's probably obvious to you by now that a 750C or 850C isn't just another crawler. Their highly adaptable drivetrains not only provide unparalleled maneuverability and ease of operation, but seemingly endless flexibility as well.

In addition to the wide variety of blades, several undercarriage choices are available. For work on steep slopes or soft terrain, both 750C and 850C can be equipped in wide-track or low-ground-pressure configurations. Add to that any of the numerous guards, accessories, and front or rear attachments, and it's easy for these dozers to become all things to all people.

The next step is up to you. So make the right move – to your John Deere dealer. And a C-Series Dozer.

Its 80-inch gauge and 30-inch grousers give the 850C Wide Track a broad stance that's ideal for work on steep slopes or soft terrain. Or opt for an 850C LGP with 36-inch pyramid swamp shoes or 38-inch grousers.

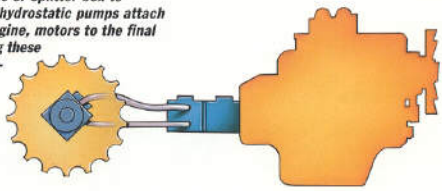
If you're impressed with the changes on the outside of these dozers, wait until you discover what lies beneath the sheet metal. And how easy it is to get there.

In about the time it takes to down a coffee and a donut, the cab/operator platform can be tilted to the left, giving even tall technicians plenty of elbow room. With the drivetrain fully exposed, troubleshooting and repair can be accomplished more quickly. Think of the effect that'll have on flat rate repair costs.

Your oilers will appreciate the added convenience, too. Sight gauges, easy-access grease zerks, fuel and hydraulic tanks, and same-side service points all help speed daily servicing. What's more, hydraulic and drive systems utilize the same type of oil, further simplifying fluid changes.

Microprocessor-controlled monitor also serves as a diagnostic aid, helping trace electrical faults in engine and transmission control systems. If a problem develops, the fault code is displayed until corrected, and operation continues. If a major malfunction occurs, operation is either restricted to ½ mph (1.6 km/h) or completely shut down, depending on severity.

No U-joints to lube or splitter box to service. Instead, hydrostatic pumps attach directly to the engine, motors to the final drives. Separating these components eliminates periodic maintenance. Ends the high-pitch whine, too.



Flat-face O-ring seal couplings virtually eliminate aggravating and costly oil leaks.

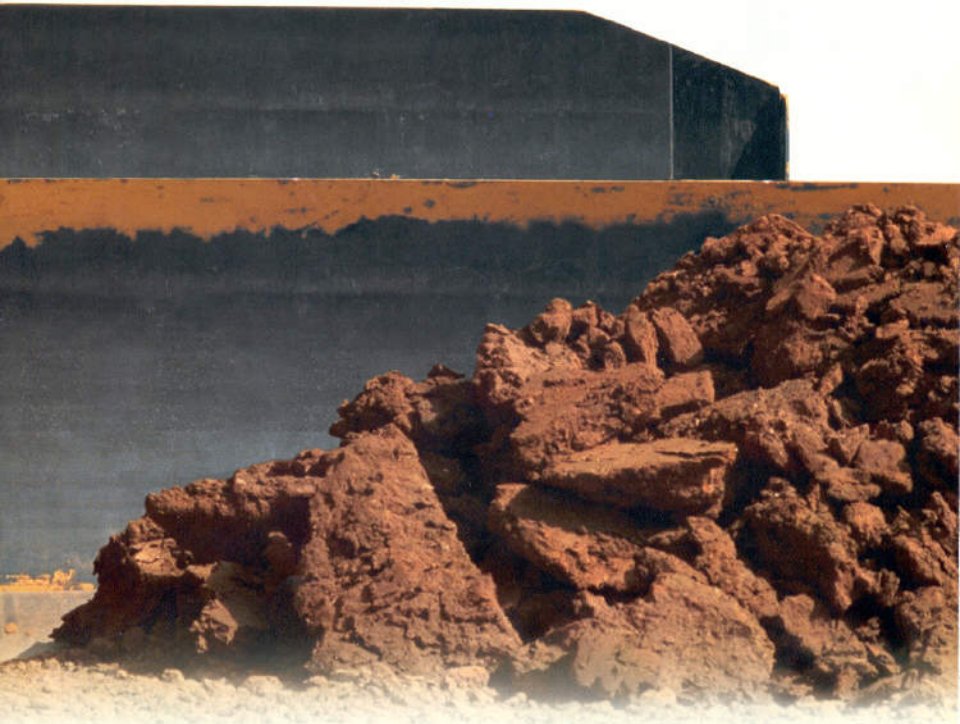
Open wide and be awed

You don't need to crawl all over these crawlers to service them. Most daily and periodic check points are conveniently grouped and ground-accessible, making additions and changes easier to accomplish.

Angle cylinders are powerful, responsive, and positioned out of the dirt and where they resist dirt buildup.

The curved solid-steel C-frame provides 7 3/4 inches of ground clearance, allowing it to carry big loads when backdragging.

Quick-drop valve on straight, semi-U, and angledozers allows rapid blade repositioning for faster cycles.



Better blading begins here

All dozers push dirt. But not all blades are suited for the same kind of work. That's why we offer a choice of five.

Specify an all-hydraulic PAT blade for superior finish and grading. Or opt for a high-production or low-profile semi-U for heavy dozing. An angledozer and straight blade are also available for pioneering, clearing, and general excavating. If you're unsure about which is best, your John Deere dealer can help you select the right blade for your kind of work.

Regardless of which you choose, the C-Series' dedicated heavy-duty hydraulic pump and expandable open-center control valve deliver generous flow and precise metering to the single-lever control. Blade response is quick, powerful, and uncompromised, enabling you to do your best work, pass-after-pass.

The cutting edge is close to the idlers for good balance and smooth grading. High heel-clearance gives superior visibility, penetration, and backdragging ability.

Tall spill sheet and steep curvature gets material rolling, letting this blade build and carry big loads.

750C LGP's 12 ½ foot wide PAT blade can be angled to just 11 ½ feet for easier trucking between jobsites.

Semi-U dozer's large blade ends penetrate hard material easily to help overcome side loads. Their 25-degree angle also helps build bigger loads, casting material toward the center of the blade for faster, fuller fill.

Steep cutting edge angle and moldboard shape helps shed sticky materials. Reversible cutting edges are standard on all blades.

Track pad options include moderate, extreme-duty, and pyramid track shoes from 22- to 38-inches (559- to 965-mm) wide.

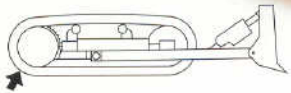
Through-hardened, boron-steel overlapping shoes fasten to the chain with the grousers nearly in-line with pin/bushing joints. This virtually eliminates back-bending and scrubbing, lengthens shoe life.

No need for an elevated sprocket here. Double-reduction planetary final drives are mounted independent of the track frames, preventing dozer-imposed shock loads from transferring to vital drivetrain components. Helps extend final drive life, too.

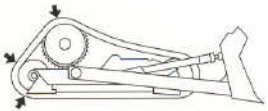
Steel-channel track frames form a strong, solid working base. Two large recoil springs absorb impacts. Track sag is adjusted with a grease gun.

Heavy-duty fabricated crossbar absorbs shocks and regulates track oscillation to 11½ inches (292 mm). For smooth moves on rough terrain.

Traditional undercarriage designs such as this one have only one wear-causing forward-travel-loaded flex point.



Compare that to the three flex points found on elevated sprocket undercarriage, then decide. Which do you think will last longer?



Check the specs. C-Series Crawlers put plenty of track on the ground for solid stability on slopes, ground-gripping traction, and balanced bladework.

How the C-Series' bottom-line helps enhance yours

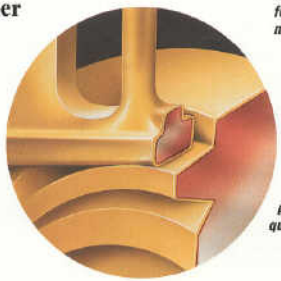
No, the secret of long track life may not be rocket science, but it is a science. It's called metallurgy. And it's a subject in which we excel.

Proud as we are of our metals moxie, we'll spare a drawn-out dissertation on the subject. Instead, let's get to the core of the matter.

A John Deere Dura-Trax™ undercarriage lasts longer because the metal is tougher and there's more of it. Nothing secret or proprietary about that. It's a successful formula other manufacturers could employ. But the fact is, most don't.

When you know how they're built it's easy to see how our Dura-Trax design helps control undercarriage maintenance costs.

Strutted track links are forged from boron-steel alloys. Boron steel permits heat-treating beyond the 100 percent wear limit, for long and consistent wear. Cross-section (below) illustrates heat-treating in C-Series track links and rollers. Red indicates depth of hardness—Rc45 through the 100 percent wear limit in track links and rollers.



Induction-hardened nodular iron idlers are lifetime lubricated and sealed with metal face seals. Stainless steel shims provide vertical adjustment to help keep these dozers grading like new.

Lubricated chain keeps lubricant between pins and bushings sealed in, abrasives out for long life. Split master link makes chain easier to remove.

Large boron-steel track rollers are hardened through the wear limit inside and out for long life. Irregular spacing causes bottom rollers to contact links at varying points for a smoother, quieter ride.

The fully pressurized, heated, and air-conditioned ROPS cab is twice as quiet as its predecessor. Rattle-free, sliding side and rear tinted glass, and latchable doors open wide for fresh air on nice days.

Neutral-start safety lever disengages transmission and engages the spring-applied, hydraulic-released multi-disk park brake to prevent accidental machine movement. Brakes automatically apply when the engine stops.

Microprocessor-controlled electronic monitor keeps a vigilant watch on 16 machine functions, with warnings you can see and hear. Tach, hour meter, water temperature, fuel, and oil gauges are included.

Convenient grab bars, self-cleaning steps, and a flat, nonslip floor provide easy access to and from either side of the walk-through operator station.

Unlike crawlers that utilize a single pump for steering, dozer, and auxiliary functions, the C-Series' dedicated hydraulic pump delivers quick, powerful, and uncompromised blade response. Quick-drop,two-function control valve is expandable to four sections and five remote functions.

Available cloth or vinyl deluxe comfort control suspension seat comes with extended bottom cushion, tilting backrest, adjustable armrests, lumbar, height/weight, and fore/aft settings for day-long support and comfort. Retractable seatbelt is standard.

	750C	750C WT	750C LGP	850C	850C WT	850C LGP
ENGINE						
Air cleaner, dual-stage aspirated type	●	●	●	●	●	●
Air cleaner restriction indicator	●	●	●	●	●	●
Blower fan	●	●	●	●	●	●
Coolant recovery tank	●	●	●	●	●	●
Electric ether start aid	●	●	●	●	●	●
Enclosed safety fan guard Conforms to SAE J1308	●	●	●	●	●	●
Engine coolant –34°F (–37°C)	●	●	●	●	●	●
Oil-to-water engine oil cooler	●	●	●	●	●	●
Precleaner	●	●	●	●	●	●
Spin-on fuel filter	●	●	●	●	●	●
Trash-resistant radiator	●	●	●	●	●	●
Turbocharger	●	●	●	●	●	●
Underhood muffler with vertical exhaust stack	●	●	●	●	●	●
Water separator	●	●	●	●	●	●
Engine coolant heater, 1,000 watts, 120 volts	■	■	■	■	■	■
Radiator sand screen	■	■	■	■	■	■
Reversible fan	■	■	■	■	■	■
POWER TRAIN						
Automatic applied, hydrostatic-released park brake, pedal operated	●	●	●	●	●	●
Cooler Oil-to-air for transmission	●	●	●	●	●	●
Dual-path hydrostatic transmission	●	●	●	●	●	●
Final drive seal guards	●	●	●	●	●	●
Guard, final drive seal (built in)	●	●	●	●	●	●
Transmission neutral lock with starter safety switch	●	●	●	●	●	●
Transmission test ports	●	●	●	●	●	●
Remote transmission test ports	■	■	■	■	■	■
Winch drive	■	■	■	■	■	■
ELECTRICAL						
By-pass start safety cover at starter	●	●	●	●	●	●
Dual batteries, 360-min. reserve capacity, 925 CCA	●	●	●	●	●	●
Master electrical disconnect switch, lockable	●	●	●	●	●	●
HYDRAULIC SYSTEM						
Lift cylinders	●	●	●	●	●	●
"O" ring face seal connectors	●	●	●	●	●	●
Quick-drop valve, standard blade	●	●		●	●	●
All-Hydraulic Dozer (PAT) blade	■		■			
Two-spool hydraulic system	●	●	●	●	●	●
Hydraulic lines to rear	■	■	■	■	■	■
Oil sampling test kit	■	■	■	■	■	■
Selector valve and lines to rear	■	■	■	■	■	■
Third function valve	■	■	■	■	■	■
UNDERCARRIAGE						
Center chain guide						●
Front idler and bolt-on sprocket chain guides	●	●	●	●	●	●
Sealed and lubricated chain	●	●	●	●	●	●
Tracks, Dura-Trax™ lubricated chain with split master link						
22-in. (560 mm) moderate-duty single bar grousers	●			■	■	
22-in. (560 mm) extreme-duty single bar grousers	■			■	■	
24-in. (610 mm) moderate-duty single bar grousers	■			●	■	
24-in. (610 mm) extreme-duty single bar grousers				■	■	
28-in. (710 mm) moderate-duty single bar grousers			■			
30-in. (760 mm) moderate-duty single bar grousers				●		
34-in. (610 mm) moderate-duty single bar grousers		●	●			
38-in. (965 mm) moderate-duty single bar grousers						●
34-in. (865 mm) swamp shoes		■				
36.5-in. (928 mm) swamp shoes						■
Bolt-on full-length rock guards	■			■	■	
LIGHTS						
Two front driving/working and one rear working halogen, 33,000 candlepower (375 737 lux each)	■	■	■	■	■	■
OPERATOR'S STATION						
Built-in diagnostics Fault code retrieval / Onboard diagnostics for all monitors, wiring, gauges, sensors, etc.	●	●	●	●	●	●
Built-in Operator's Manual storage compartment and manual	●	●	●	●	●	●
Deluxe suspension vinyl seat Adjustable armrests, thigh support, backrest, height/weight, and fore-aft – Conforms to SAE J899	●	●	●	●	●	●
Suspension vinyl seat	■	■	■	■	■	■
Electronic monitor system with audible and visual warning	●	●	●	●	●	●
Air restriction / Coolant temperature / Engine oil pressure / Ether injection on / Fasten seat belt / Hydraulic filter restriction / Low alternator voltage / Transmission filter restriction / Transmission malfunction / Transmission pressure / Transmission return to neutral / Transmission temperature						
Engine rpm digital display (selectable)	●	●	●	●	●	●
Bloomnut	●	●	●	●	●	●
Fuel gauge, electric, illuminated	●	●	●	●	●	●
Headliner for ROPS/FOPS	●	●	●	●	●	●
Horn, electric Conforms to SAE J994, J1446	●	●	●	●	●	●
Hourmeter, electric, illuminated	●	●	●	●	●	●
Interior-mounted rearview mirror Conforms to SAE J985	●	●	●	●	●	●
Key start switch with electric fuel shutoff	●	●	●	●	●	●
Lunch box storage	●	●	●	●	●	●
Modular design ROPS/FOPS canopy Conforms to SAE J1040	●	●	●	●	●	●
Push-button starting	●	●	●	●	●	●
Seat belt, 3 in. (76 mm), with retractors Conforms to SAE J386	●	●	●	●	●	●
Single lever steering/direction control with decelerator	●		●	●		●
Pedal steering with U-pattern direction, speed control without decelerator	■	■	■	■	■	■
Tool storage, lockable	●	●	●	●	●	●
Voltmeter	●	●	●	●	●	●
Cab	■	■	■	■	■	■
Air conditioning, 33,000 Btu* / Fresh air intake heater/pressurizer, 400 CFM, 40,000 Btu/hr. (11.7 kW) – Conforms to SAE J1503, J1535D / Front and two door windshield wipers/washers						
Full protection package* Brush screens, regular duty / Guards, tank protection / Limb risers – Arched with overhead exhaust*	■	■	■	■	■	■
OVERALL VEHICLE						
Front tow hook	●	●	●	●	●	●
Heavy-duty, hinged, bar-type grille	●	●	●	●	●	●
Perforated engine side shields	●	●	●	●	●	●
Rear service doors, lockable	●	●	●	●	●	●
Reverse alarm Switchable to 97 dB(A) or 111 dB(A) / Conforms to SAE J994, J1446	●	●	●	●	●	●
Vandal protection Engine access door / Fuel tank cap / Rear service doors / Instrument panel	●	●	●	●	●	●
Capped end bits (except All-Hydraulic Dozer [PAT] blades)	■	■	■	■	■	■
Straight end bits	■	■	■	■	■	■
Dozer blades (included in SAE operating weight)						
All-Hydraulic Dozer (PAT) – 129.3 in. (3283 mm) for 750C, 152.0 in. (3861 mm) for 750C LGP	■		■			
Semi-U (High-Production) – 126.6 in. (3216 mm) for 750C, 128.3 in. (3259 mm) for 850C, 140.0 in. (3556 mm) for 850C WT	■			■	■	
Semi-U (Low Profile) – 126.6 in. (3216 mm) for 750C, 137.8 in. (3500 mm) for 850C	■			■		
Straight – 120.4 in. (3058 mm) for 750C, 152.0 in. (3561 mm) for 750C WT, 123 in. (3124 mm) for 850C, 152 in. (3861 mm) for 850C LGP	■	■		■		■
Angle Dozer – 149.5 in. (3797 mm) for 750C, 152 in. (3861 mm) for 850C	■			■		
Tilt cylinder hose protection	●	●	●	●	●	●
Environmental fluid drains	■	■	■	■	■	■
Extended rigid drawbar with pin for pull-type implements (for 850C included in SAE operating weight)	■	■	■	■	■	■
Heavy-duty transverse case cover	■	■	■	●	■	■
Perforated hood for trash environments	■	■	■	■	■	■
Rigid drawbar with pin (for 750C, 750C WT, 750C LGP, 850C WT, and 850C LGP included in SAE operating weight)	■	■	■	■	■	■

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 system, alternator, and cooling fan, at standard conditions per SAE J1349 and DIN 6271k, using No. 2-D fuel at 35 API gravity. No derating is required up to 10,000 ft. (3050 m) altitude. Gross power is without cooling fan.

Also available: winches, tool kits, lug arches, skidding (grapples, forestry packages, forklift protection packages, cable plows, side booms, field-installed cab for ROPS, ROPS 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 rollover protective structures, full fuel tanks, 175-lb. (79 kg) operators, and standard equipment. 750C unit with 22-in. (560 mm) moderate-duty grousers, rigid drawbar, and Semi-U (High-Production) blade. 750C WT and LGP units with 24-in. (965 mm) single-bar grousers and rigid drawbar. 850C unit with 24-in. (610 mm) extreme-duty grousers, extended rigid drawbar, rock guards, and Semi-U (High-Production) blade. 850C WT with 30-in. (760 mm) moderate-duty grousers, extended rigid drawbar, rock guards, and Semi-U (High-Production) blade. and 850C LGP unit with 36-in. (965 mm) single-bar grousers and rigid drawbar.

JOHN DEERE

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DKA750C Litho in U.S.A. (96-11)