

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

750C 850C



The choice of experience

Experience. There's nothing like it for learning what works and what won't. And we've learned lots during our 20-plus years of building construction crawlers.

Our 750C and 850C Dozers are the result of hundreds of thousands of hours of work on jobsites worldwide. We kept the features you liked the best and refined the rest to make these our most reliable, productive, and operator-friendly dozers ever.

The bold styling of the C-Series is as functional as it is appealing, providing unobstructed all-around visibility. Inside the roomy walk-through operator station, a single



lever provides low-effort control of both direction and steering. And quiet? You won't believe your ears!

Up front, you have a choice of five dozer blades. Whichever you choose hydraulic response is fast, and a single-lever gives a precise "feel" of the work at hand.

Even repair work is easier. A quick-tilt operator platform lets you fully expose the drivetrain for total access to components. Servicing is also quicker, with same-side service points and sight gauges showing the way.

Thumb through the following pages and get acquainted with the C-Series. Then get to your John Deere dealership for a demo. And experience for yourself the choice of experience.

At 140 and 185 hp (104 and 138 kW), 750C and 850C are our most powerful and productive dozers ever. And with a host of enhancements, they're destined to be our most reliable, too.



The reasons for the C-Series are piling up

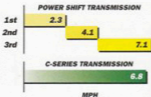
When our construction dozers first hit the dirt more than two decades ago, their unique drivetrain introduced power turns, counter-rotation, infinite speed control, and a host of other production-enhancing advantages.

Just as hydraulics advanced excavators, hydrostatics have revolutionized crawlers, ushering in a new era of maneuverability and control—enabling operators to do things they've never done with a dozer.

Others have followed our lead, offering a variety of steering and drive systems in an attempt to duplicate the John Deere advantage. Although the imitations are sincerely flattering, none come close to offering the combination of flexibility and ease of operation you get in a C-Series Dozer.

Read on and you'll see what we mean.


No limited, preset gears in the C-Series. Instead, an infinitely variable range from 0 to 6.8 mph (0-11 km/h) gives the operator complete freedom to choose the right travel speed for the job.



Automatic load sensing takes both the guess and work out of efficient operation. Just set the ground speed lever to maximum desired travel speed and forget it—the dozer does the rest. As loads change, the drivetrain responds, instantly powering up or down to maintain peak engine rpm and efficiency. So you can concentrate on doing your best bladework.

Instead of a lot of wear parts that can cost you time, the C-Series drivetrain is loaded with production-boosting features that help make time.






Usable counterrotation is another distinct Deere advantage. It's especially helpful for overcoming corner-loaded side-drafts and for quickly repositioning the blade on-the-go. Or use it for space-saving spot turns, no matter what's underfoot. Unlike other dozers, you never need to shift into neutral or limit its use to good ground conditions to avoid stalling out.



Infinitely variable track speed lets you speed-up or slow power to each track — for smooth, full-power turns that don't tear-up soft terrain like clutch/brake systems. Or run out of steering power with big loads as with differential steering.



With some steering systems, turning radius is dictated by travel speed — the faster the speed, the wider the turn. But not with the C-Series. Tight pivot turns are possible at any speed, for unlimited maneuverability. What's more, steering is always predictable and precise.



C-Series' hydrostatic drivetrains steer the same and maintain their preset speed whether they're on level ground or a 2-to-1 slope. And since they won't free-wheel like a torque converter machine, you never need to cross-clutch or ride a brake.

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.



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.

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 latching doors open wide for fresh air on nice days.



Available cloth or vinyl deluxe air-suspension high-back armchair seat fully adjusts for day-long support and comfort. Standard suspension seat provides the same deep sculpting. Adjustable armrests and footrests, knee cushions, and retractable seatbelt are standard regardless of which you choose.

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.



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.



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.

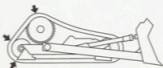
Steel-channel track frames form a strong, solid working base. Two large recoil springs absorb impacts. Track sag is adjusted with a grease gun.

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?



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.

11 1/2 feet

750C LGP's 12 1/2 foot wide PAT blade can be angled to just 11 1/2 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.

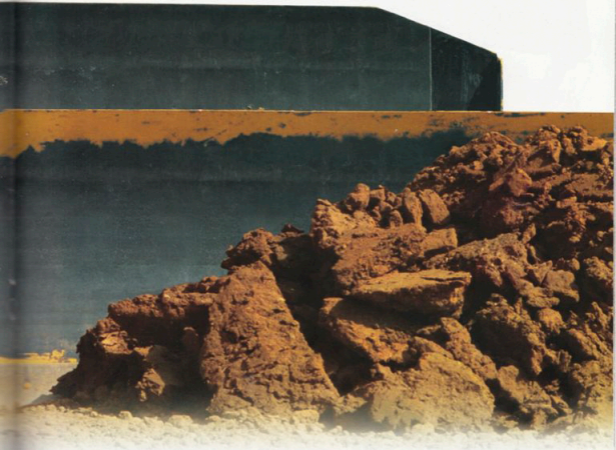


Angle cylinders are powerful, responsive, and positioned out of the dirt and where they resist dirt buildup.

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.



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.



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.

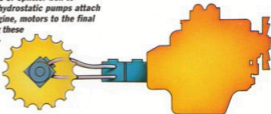
In about the time it takes to down a coffee and a donut, the cab/operator platform can be tilted to the left, giving even tall technicians plenty of elbow room. With the drivetrain fully exposed, troubleshooting and repair can be accomplished more quickly. Think of the effect that'll have on flat rate 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 1/2 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.



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.


 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.

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.





Forestry and landfill packages, as well as 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 grouser, 110-inches of track on the ground, and all-hydraulic PAT blade.

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 45-amp alternator	24 volt with 45-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	2,000 psi (13 790 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 L6P	850C	850C WT	850C L6P
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	40	40	40	40
Ground contact area	4,488 sq. in. (28 952 cm ²)	6,923 sq. in. (44 669 cm ²)	7,446 sq. in. (48 038 cm ²)	5,200 sq. in. (33 550 cm ²)	6,480 sq. in. (41 803 cm ²)	9,196 sq. in. (59 039 cm ²)
Ground pressure	7.1 psi (49.0 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)	4.65 psi (32.0 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)	121 in. (3080 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)	7.5 in. (190 mm)	7.5 in. (190 mm)	9.2 in. (232 mm)	8.2 in. (208 mm)	8.2 in. (208 mm)	12.5 in. (317 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)

BLADE CAPACITY	750C	750C WT	750C L6P	850C	850C WT	850C L6P
All-Hydraulic Dozer (PAT).....	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)			7.44 cu. yd. (5.66 m ³)	8.10 cu. yd. (6.19 m ³)	7.14 cu. yd. (5.56 m ³)
Semi-U (Low Profile).....	4.37 cu. yd. (3.34 m ³)			5.45 cu. yd. (4.17 m ³)		
Straight.....	2.95 cu. yd. (2.26 m ³)	3.25 cu. yd. (2.48 m ³)		4.01 cu. yd. (3.07 m ³)		4.47 cu. yd. (3.42 m ³)
Angle Dozer.....	3.37 cu. yd. (2.58 m ³)			3.77 cu. yd. (2.88 m ³)		

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. (2,240 kg)		5,024 lb. (2,278 kg)			
Semi-U (High Production).....	4,355 lb. (1,975 kg)			5,289 lb. (2,399 kg)	5,495 lb. (2,491 kg)	5,636 lb. (2,557 kg)
Semi-U (Low Profile).....	4,225 lb. (1,916 kg)			5,020 lb. (2,277 kg)		
Straight.....	3,744 lb. (1,698 kg)	4,090 lb. (1,855 kg)		4,459 lb. (2,022 kg)		5,213 lb. (2,364 kg)
Angle Dozer.....	4,575 lb. (2,075 kg)			5,157 lb. (2,339 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)			40,309 lb. (18,280 kg)	40,329 lb. (18,290 kg)	43,226 lb. (19,604 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. (1,042 kg)*
Complete mechanical angle dozer C-frame assembly.....	2,582 lb. (1,172 kg)			2,950 lb. (1,339 kg)		
Complete PAT dozer C-frame assembly.....	2,834 lb. (1,285 kg)		2,834 lb. (1,285 kg)*			
Tracks - Dura-Trax™ lubricated chain with split master link						
Single bar grouser						
22-in. (560 mm) moderate duty.....	5,056 lb. (2,293 kg)*			5,762 lb. (2,613 kg)	5,762 lb. (2,613 kg)	
22-in. (560 mm) extreme duty.....	5,400 lb. (2,449 kg)			6,273 lb. (2,846 kg)	6,273 lb. (2,846 kg)	
24-in. (610 mm) moderate duty.....	5,340 lb. (2,422 kg)			6,035 lb. (2,737 kg)	6,035 lb. (2,737 kg)	
24-in. (610 mm) extreme duty.....				6,611 lb. (2,998 kg)*	6,611 lb. (2,998 kg)	
28-in. (710 mm) moderate duty.....			6,322 lb. (2,867 kg)			
30-in. (760 mm) moderate duty.....					6,824 lb. (3,095 kg)*	
34-in. (865 mm) moderate duty.....		6,756 lb. (3,064 kg)*	7,093 lb. (3,217 kg)*			
38-in. (965 mm) moderate duty.....						9,005 lb. (4,084 kg)*
Swamp shoes						
34-in. (865 mm) swamp shoe.....		6,366 lb. (2,887 kg)				
36.5-in. (928 mm) swamp shoe.....						7,768 lb. (3,523 kg)
Cab with pressurizer and heater, without air conditioner.....	2,080 lb. (944 kg)	2,080 lb. (944 kg)	2,080 lb. (944 kg)	2,080 lb. (944 kg)	2,080 lb. (944 kg)	2,080 lb. (944 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.....	1,430 lb. (649 kg)*	1,430 lb. (649 kg)*	1,430 lb. (649 kg)*	1,430 lb. (649 kg)*	1,430 lb. (649 kg)*	1,430 lb. (649 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 (ROPS canopy and cab).....	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 and cab).....	70 lb. (32 kg)	70 lb. (32 kg)	70 lb. (32 kg)	70 lb. (32 kg)	70 lb. (32 kg)	70 lb. (32 kg)
Door and front screens (ROPS canopy and cab).....	200 lb. (91 kg)	200 lb. (91 kg)	200 lb. (91 kg)	200 lb. (91 kg)	200 lb. (91 kg)	200 lb. (91 kg)
Cylinder hose guards.....	65 lb. (30 kg)	65 lb. (30 kg)	65 lb. (30 kg)	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)	15 lb. (7 kg)	15 lb. (7 kg)	15 lb. (7 kg)
Track cleaner bars, front.....	275 lb. (125 kg)			275 lb. (125 kg)		
Track cleaner bars, rear.....	475 lb. (215 kg)			450 lb. (204 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)
Grille HGS mounted counterweight.....				1,592 lb. (722 kg)	1,592 lb. (722 kg)	1,592 lb. (722 kg)

* Included in SAE operating weight.

DIMENSIONS

	A Overall height to roof	Overall height to exhaust stack	B Tread depth with single-bar grouser	Tread depth with swamp shoe
750C.....	120.7 in. (3065 mm)	124.6 in. (3115 mm)	<i>Moderate duty</i> 2.2 in. (56 mm)	<i>Extreme duty</i> 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)	
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)	
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)	
Angle Dozer.....	196.8 in. (4921 mm)**	39.3 in. (998 mm)	38.4 in. (976 mm)	23.8 in. (604 mm)	149.5 in. (3797 mm)	12.8 in. (324 mm)	135.6 in. (3444 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)	

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)

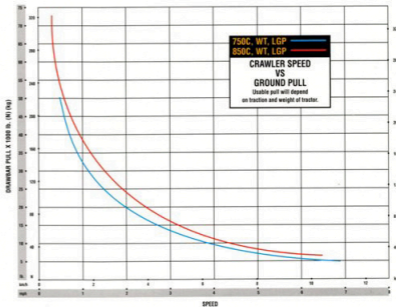
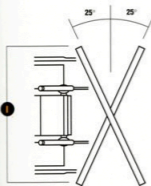
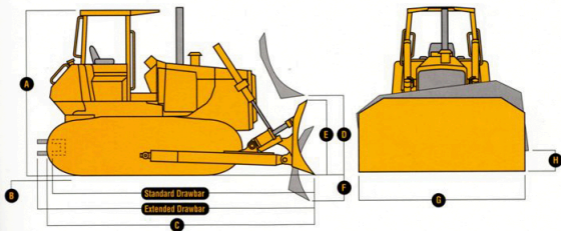
850C							
Semi-U (High Production).....	210.5 in. (5262 mm)***	43.3 in. (1100 mm)	56.5 in. (1435 mm)	20.2 in. (513 mm)	128.3 in. (3259 mm)	28.7 in. (730 mm)	
Semi-U (Low Profile).....	210.6 in. (5265 mm)***	43.3 in. (1100 mm)	46.4 in. (1179 mm)	20.2 in. (513 mm)	137.8 in. (3500 mm)	31.0 in. (787 mm)	
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)	
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)	

850C LGP							
Semi-U (High Production).....	222.5 in. (5651 mm)***	42.5 in. (1080 mm)	43.8 in. (1113 mm)	16.9 in. (429 mm)	156.6 in. (3978 mm)	37.0 in. (940 mm)	
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)	

* 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).



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)

850C

Maximum	72,000 lb. (320 kN)
At 1.2 mph (1.9 km/h)	35,200 lb. (156 kN)
At 2.0 mph (3.2 km/h)	25,300 lb. (112 kN)

