

CASE

CRAWLER DOZER

650G
850G

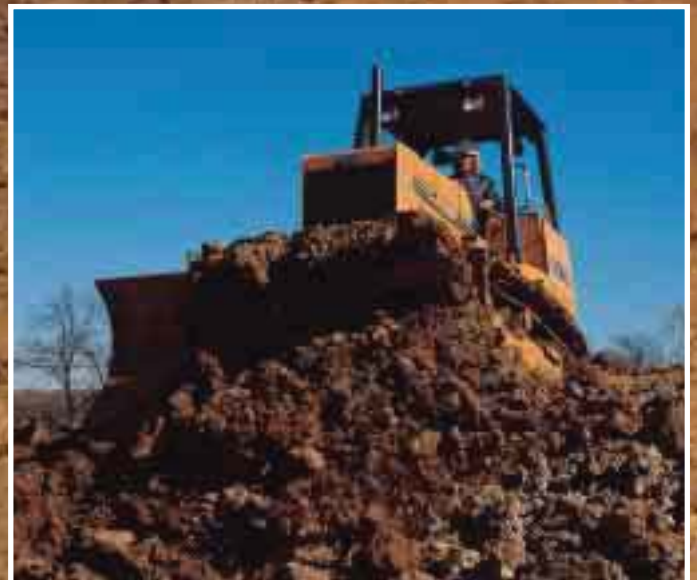


Control... from start to finish

When you depend on your crawler for your livelihood, nothing short of the best will do, and 650G and 850G crawler dozers offer performance you can count on day in and day out.

Case G Series crawlers have the power you need for tough conditions, as well as outstanding control, steering versatility and blade precision for finish work and tight jobs. And G Series crawlers set the standard when it comes to ease of control and operator comfort.

So if you're looking for superior quality, performance and reliability in a crawler dozer, and want the kind of product support you can only get from one of the best dealer organizations in the industry, turn to Case and the 650G or 850G.





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The Case 4T-390 and 6T-590 engines, engineered and built with the tough demands of the construction industry in mind, will take on your biggest jobs. They offer increased horsepower and high altitude compensation for outstanding performance in all applications.

The integral design incorporates external engine components into the block. An advantage of this system is reduced wear and heat buildup because of fewer moving engine parts for faster maintenance and easier serviceability.

One-piece cast iron parent metal bore block allows closer tolerances for added durability.

An integral oil pump for pressurized lubrication with integral oil cooler and under-piston oil nozzles keeps pistons cool by providing positive cylinder wall lubrication.

650G

850G

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Transmission Final Drive

These are the smoothest shifting units on the market with an excellent range of operating speeds to match job conditions for optimum performance.

Constant mesh 4F/4R speeds. Pressure-sensing modulation provides the smoothest transition when shifting between forward/reverse and high/low track speeds, even at full throttle in cold weather or low idle.

Industry standard U-pattern or optional straight-line F/R shift pattern. Adjustable detents let you set the controls to match your requirements.

Individual track speeds allow you to turn under power without braking. Oil-cooled steering clutches are pressure-lubricated for durability and effortless shifting.

Torque converter automatically adjusts working speeds to load conditions to provide the right push power under heavy loads. Stall ratio is 2.34:1 on the 650G, and 2.72:1 on the 850G.

Easy servicing of the componentized powertrain saves time and money.

Foot-operated high/low range shifter.

Single reduction spur and bull gear final drives for durable performance.



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650G

850G

650G

850G

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*en the toughest conditions
are no match for this
undercarriage with a standard
sealed and lubricated track.
Deep-hardened components
offer you maximum durability,
while giving you a smooth,
stable ride.*

Permanently sealed and lubricated track rollers, carrier rollers and drum-type idlers to seal out abrasives and maximize life.

2.25" (57 mm) diameter deep-hardened track bushings, thick sprocket teeth, as well as deep-hardened rollers and idlers contribute to long track life.

Easy access hydraulic track adjuster makes adjustment quick and simple. Detailed instructions affixed to the machine outline correct chain adjustment specifications to ensure maximum component life.

Track adjuster guard protects components.

To ensure proper chain alignment front and rear track guides are standard.

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Whether pushing a full load or doing close work around obstacles, you'll have full control of the load with a Case 6-way blade powered with responsive hydraulics and guided by an easy effort, form-fit control.

- Mechanical adjustment (2-position blade pitch)
- 60° position for maximum carry
 - 55° position for aggressive cutting and pushing up slopes

650G 850G

850G G

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The hydraulic system delivers high capacity and pressure for exceptional, metered response and powerful force. The system also features a positive hold/float position in the lift circuit for added blade versatility.

Heavy-duty lift cylinders with large diameter cylinder rods provide superior strength as well as high blade lift force.

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Comfort and control is what crawler productivity is all about, and the 650 and 50 are right on target, from the location and smooth operation of the controls to the adjustable seat and armrests that let you customize the machine to your fit.

Tapered tank design offers excellent 360° visibility to the sides, the rear, and to the blade.

Located to the left and right of the operator's seat, the controls leave a clear path for easy entry and exit.

Easy-to-use seat belts retract when not in use.

Out-front instrument panel has color-coded, easy-to-read gauges and warning lights. They include:

alternator, engine oil pressure, torque converter temperature, transmission oil pressure, engine coolant temperature, transmission filter, air filter, fuel, hourmeter.

Non-skid footrest is located above brake pedals.

A lock-up panel folds up to protect the instrumentation from vandalism.





Controls

The power to command the 650 or 50 crawler with precision control, and with a minimum of effort, enables you to concentrate on doing a better job. Controls are located within easy reach to the left and right of the operator, and glide with fingertip ease for enhanced operator control.

Lockable neutral start lever applies the parking brake and locks transmission controls.

There is an ignition key switch to provide single action starts and stops.

For precision work, the foot throttle accelerator is standard. There is also a hand throttle for wide open pushing. An optional decelerator pedal is also available.

Customize the forward/reverse pattern by choosing either the

standard "U" pattern shifter or optional straight-line shift.

High/low range shifter is foot-operated.

Track speed levers shift smoothly for effortless operator-controlled power turns.

Precision blade movements can be made simultaneously in all directions with the form-fit, 6-way blade (power/angle/tilt) control.

turn

Maneuvering a crawler has never been easier or more productive with the introduction of the series crawlers. You have the option of turning three different ways with Case crawlers: PowerTurn, gradual turn, or brake turn.

With the track speed control levers and power disc brakes, you can brake turn in tight spots with incredible ease, or PowerTurn with a full load without downshifting, stalling out, or leaving part of the load behind.



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Case power wet disc brakes are designed for low effort, precision work. Whether you need to ease around obstructions, or stop mid-slope with a full load, you can rely on the braking power of the 650 or 50 crawler.

These crawlers feature automatic self-adjustment, forced oil cooling, visual wear indicators, with no master/slave cylinders to service.

Both the right and left brakes can be heel-to-toe operated with a minimum of effort.

The parking brake is automatically applied when the neutral lock lever is engaged or the engine is stopped.

To prevent dirt buildup from affecting operation, pedals are suspended from the firewall.

Center brake pedal activates both brakes evenly against the power of the machine for inching up to a wall or loading and unloading.

Case heavy-duty electrical components give you the power to start and perform in all weather extremes.

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650G

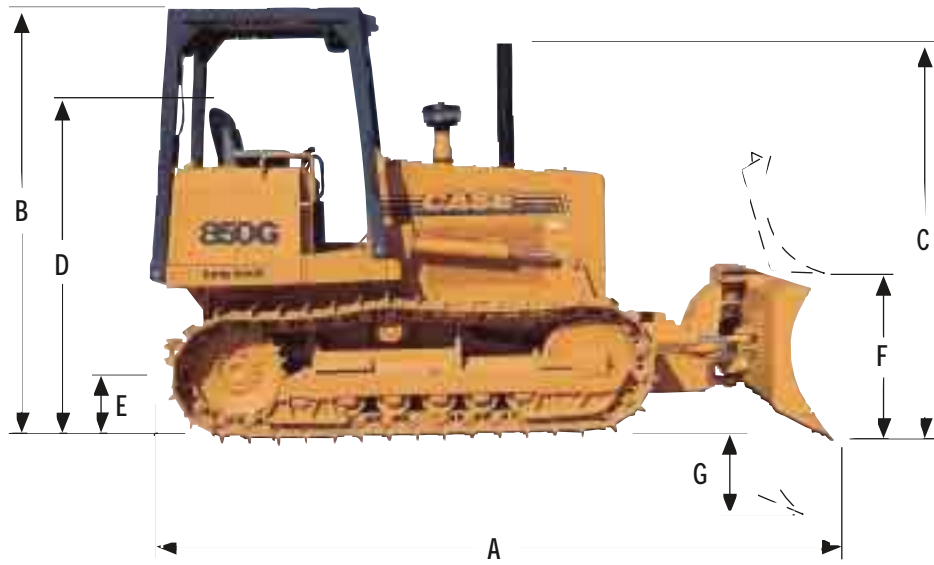
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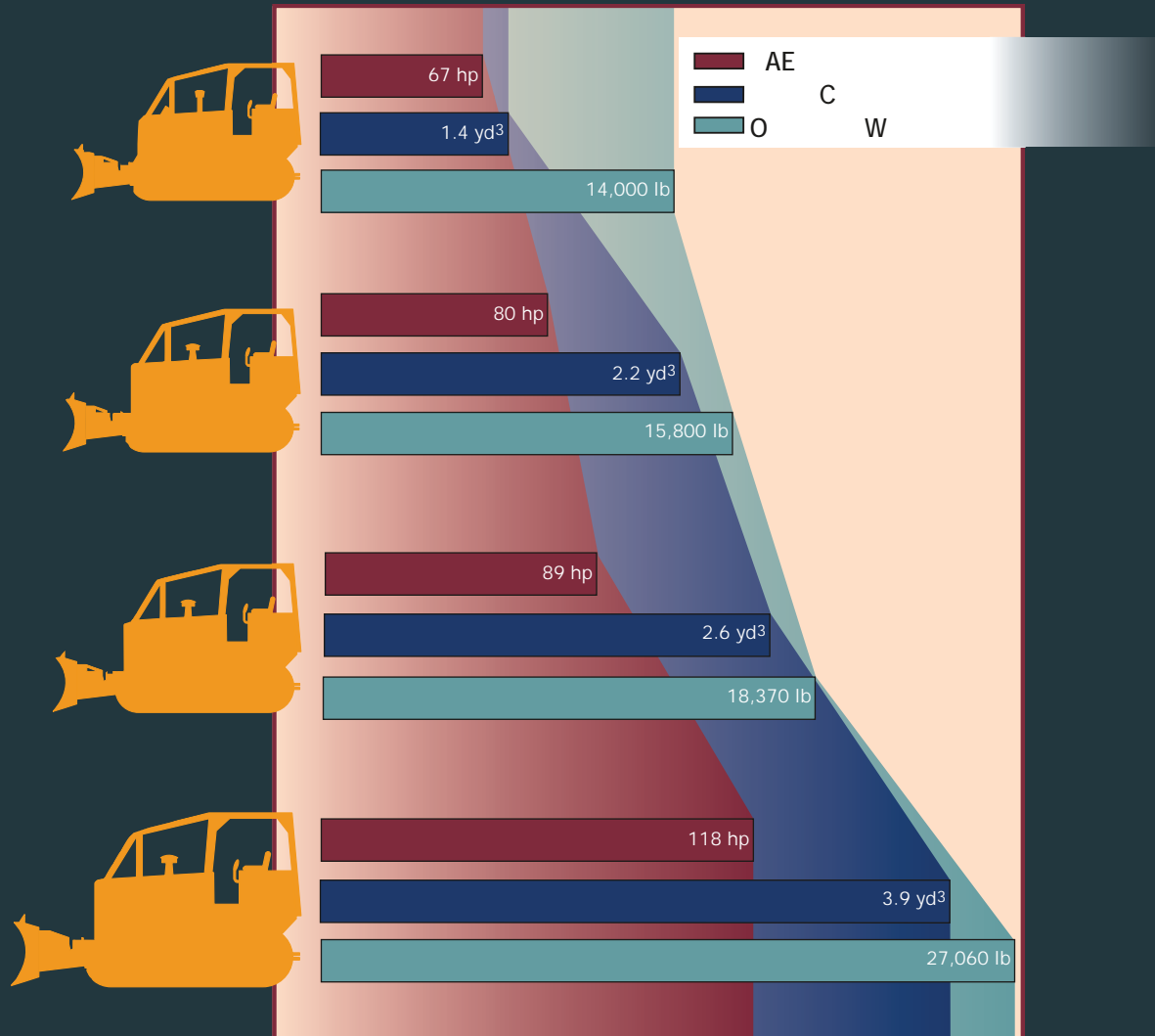




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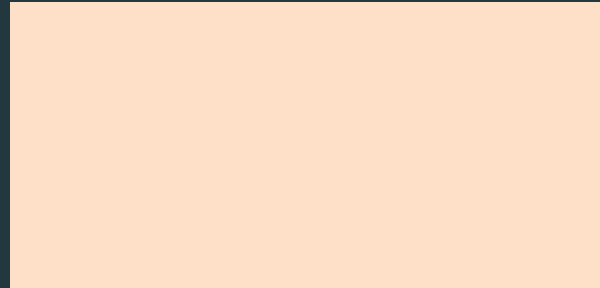
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NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

Attachments from other manufacturers are shown for illustration only. Case Corporation does not warrant the safety or reliability of these attachments.

IMPORTANT: Case Corporation reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Units shown may be equipped with non-standard equipment.



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