

CASE

CRAWLER DOZER 1150G



Control... from start to finish.

When you depend on your crawler for your livelihood, nothing short of the best will do, and the 1150G crawler dozer offers 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.

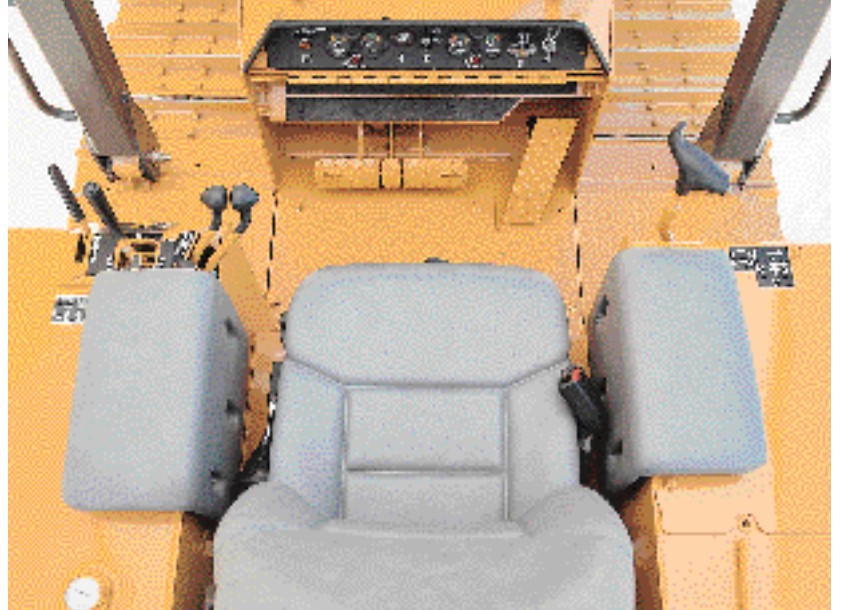
So if you're looking for superior quality, performance and reliability in a crawler dozer, and want the kind of product support you can only get from one of the best dealer organizations in the industry, turn to Case and the 1150G.





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Operator Environment

Comfort and control is what crawler productivity is all about. The Case 1150G provides smooth, conveniently located controls, protective ROPS/FOPS, and an adjustable seat for optimal safety and comfort.

The tapered design offers excellent 360° visibility to the front, sides and rear.

Optional cab is available with heat and/or A/C, tinted glass, rear louver and front and rear windshield wipers.

A non-skid footrest above the brake pedals improves operator comfort.

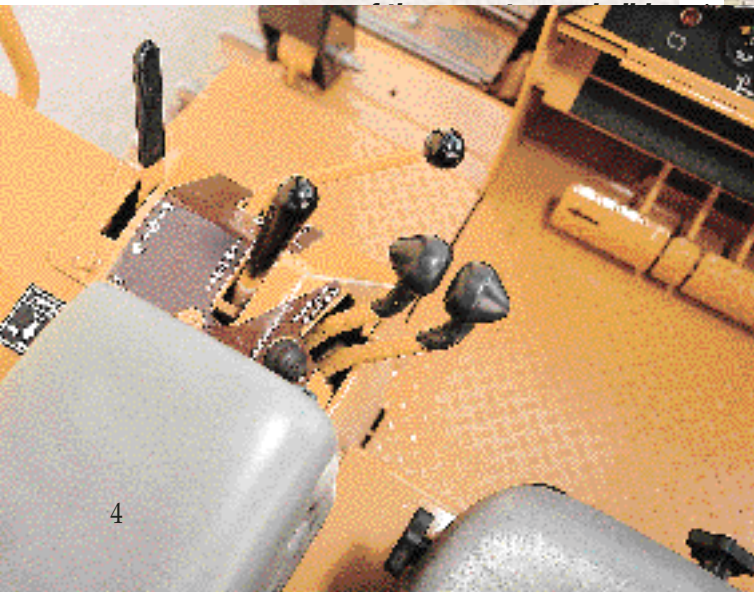
The instrument panel has color-coded, easy-to-read gauges and

warning lights. They include: alternator, engine oil pressure, torque converter temperature, transmission oil pressure, transmission range indicator, engine coolant temperature, coolant level, transmission filter, air filter and hourmeter. An easy-to-read fuel gauge is located on top of the fuel tank.

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

Controls

Command the 1150G crawler dozer with precision control and minimum effort. Controls are located within easy reach to the left and right



Choose either the standard forward/reverse U-pattern shifter or optional straight-line shift.

The switch-operated high/low range control is located under the left footrest for easy operation and easy-modulated on-the-go shifting.

Track speed levers shift smoothly and effortlessly operator-controlled over turns.

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

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

Ignition key switch provides single action starts and stops.

Standard foot throttle accelerator for precision work, and a hand throttle for wide open pushing. An optional decelerator pedal is also available.

Undercarriage

Even the toughest conditions are no match for this undercarriage. A standard sealed and lubricated track with deep-hardened components offers you maximum durability, while giving you a smooth, stable ride.

The 1150G is available in 62" and 74" gauge versions.

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

2.31" (59 mm) diameter deep-hardened track bushings, thick sprocket teeth, as well as deep-hardened rollers and idlers contribute to longer track life.

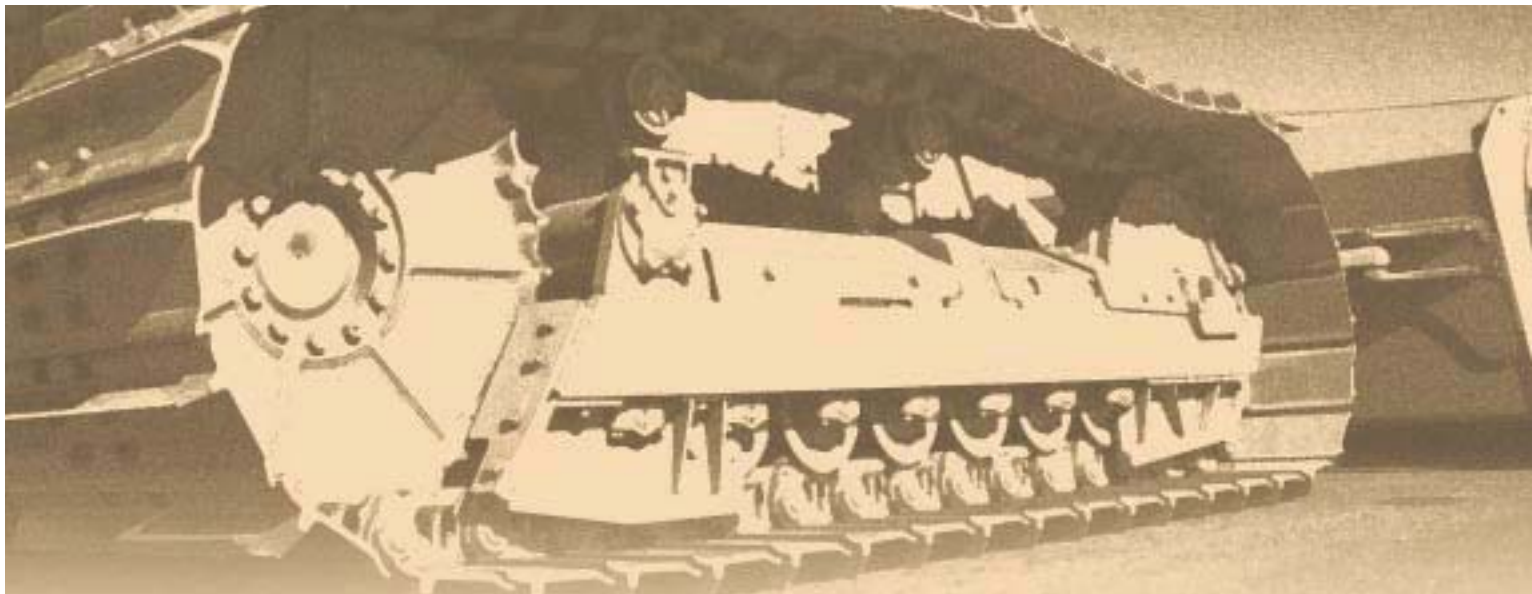
Tapered track frame covers aid in cleaning for less maintenance and more productivity.

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.

Standard front and rear track guides ensure proper chain alignment.

Oscillating equalizer beam suspension maintains traction over uneven ground and provides positive track alignment and precise blade control. Beam oscillates 12° from stop-to-stop to improve ground contact. When one track goes over an obstruction, the equalizer beam keeps the other track on the ground for continued traction and smoother ride.

Track frame	Reinforced box-section
Suspension.....	Equalizer beam
Track rollers (each side).....	7
Carrier rollers (each side)	2
Track gauge	62" (1.57 m) 74" (1.88 m)
Length of track on ground	97" (2.46 m)
Shoes per track (each side)	43
Height of track shoe (closed grouser) ..	2.06" (52 mm)



	Track Shoe Width	Area of Track on Ground	Ground Pressure
62" (1.57 m)	20" (508 mm)	3,868 in ² (24 956 cm ²)	6.48 psi (45 kPa)
	22" (559 mm)	4,255 in ² (27 453 cm ²)	5.95 psi (41 kPa)
74" (1.88 m).....	22" (559 mm).....	4,255 in ² (27 455 cm ²)	6.2 psi (44 kPa)
	28" (711 mm).....	5,414 in ² (34 931 cm ²)	4.87 psi (34 kPa)
	34" (864 mm).....	6,575 in ² (42 422 cm ²)	4.12 psi (28 kPa)

	TRAVEL SPEEDS MPH (km/h)	
	Forward	Reverse
1st.....	2.2 (3.5).....	2.6 (4.2)
2nd	3.2 (5.1).....	3.8 (6.1)
3rd	3.9 (6.3).....	4.6 (7.4)
4th	5.8 (9.2).....	6.9 (11.1)

Engine

Hard-working engines are necessary for the productivity and durability demanded of crawler dozers. The Case 6T-590 engine is designed and built with the tough demands of the construction industry in mind.

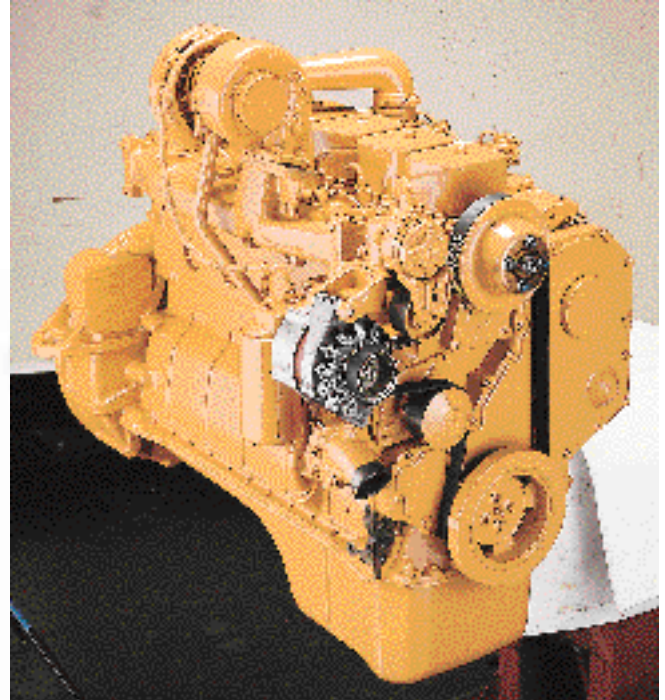
The turbocharged 6T-590 engine offers fuel efficiency and quick response for outstanding performance in all applications.

Integral design incorporates external engine components into the block. Fewer moving engine parts mean reduced wear and heat buildup. With fewer parts to replace, maintenance and serviceability are fast and easy.

The one-piece cast iron parent metal bore block of the 6T-590 allows closer tolerances for added durability.

Integral oil pump for pressurized lubrication with integral oil cooler and piston oil nozzles provide piston oil cooling. A deep sump provides for positive oil lubrication when operating on slopes.

This outstanding, emission certified engine is backed by one of the best warranties in the industry.

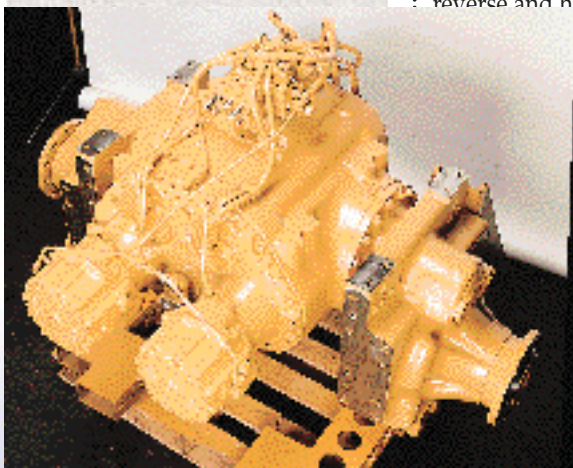


Model.....	Case 6T-590
Cylinders.....	6
Bore/Stroke.....	4.02" x 4.72" (102 x 120 mm)
Displacement.....	359 in ³ (5.9 L)
Horsepower*	
Gross.....	124 (92.5 kW) @ 2000 rpm
Net.....	119 (88.7 kW) @ 2000 rpm
Maximum torque*	
Gross.....	372 lb•ft (504 N•m) @ 1600 rpm
Net.....	363 lb•ft (492 N•m) @ 1600 rpm

*Engine horsepower and torque at flywheel per SAE J1349.

Transmission/Final Drives

The 1150G shifts smoothly and has an excellent range of operating speeds to match any job condition.



The 1150G features constant mesh 4F/4R speeds.

Pressure-sensing modulation provides the smoothest transition when shifting between forward/reverse and high/low track speeds, rattle in cold weather. The detents let you set the clutch your requirements. It's the industry standard shift pattern or optional light-line F/R pattern. Individual track speeds allow you to make turns under power without braking.

Oil-cooled steering clutches are pressure-lubricated for durability.

The torque converter automatically adjusts working speeds to load conditions to provide the right push power under heavy loads. Stall ratio is 2.33:1.

Other features include an electrically controlled high/low range switch, a componentized powertrain for easier servicing, and single reduction pinion spur and bull gear final drives for durable performance.

MAXIMUM DRAWBAR PULL

1st gear ...	54,250 lbf (241 315 N)
2nd gear ...	36,800 lbf (163 694 N)
3rd gear ...	29,700 lbf (132 111 N)
4th gear ...	20,023 lbf (89 066 N)

Steering

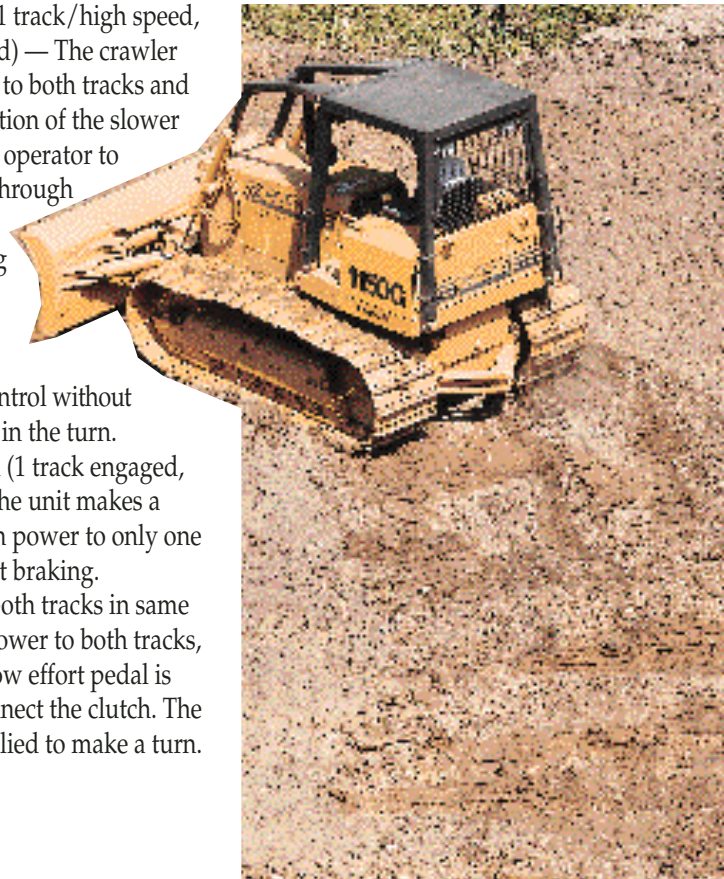
Maneuvering a crawler has never been easier or more productive since the introduction of the G Series crawlers. With the track speed control levers and power disc brakes, you have the option of turning three different ways with Case crawlers (Power Turn, gradual turn, or brake turn). You can brake turn in tight spots with incredible ease, or Power Turn with a full load without stalling out or leaving part of the load behind.

Power Turn (1 track/high speed, 1 track/low speed) — The crawler maintains power to both tracks and turns in the direction of the slower track. Allows the operator to push a full load through a turn without braking or raising the blade to lighten the load.

This ensures complete load control without sacrificing power in the turn.

Gradual Turn (1 track engaged, 1 in neutral) — The unit makes a gradual turn with power to only one track and without braking.

Brake Turn (both tracks in same speed) — With power to both tracks, the left or right low effort pedal is applied to disconnect the clutch. The brake is then applied to make a turn.



Blade

Whether pushing a full load or working closely around obstacles, you'll have full control of the load with a 6-way blade powered by responsive hydraulics.

The 6-way blade on the 1150G features a recessed, flush-mounted cutting edge for better boiling action and more precise control of the load.

With the 110" (2.79 m) angle/tilt blade, the overall width of the 1150G crawler is only 8'6" (2.59 m) for easy transport.



BLADE	62" (1.57 m) Angle/Tilt	62" (1.57 m) Angle/Tilt	74" (1.88 m) Angle/Tilt
Width	110" (2.79 m)	124" (3.15 m)	124" (3.15 m)
Capacity (SAE J1265)	3.4 yd ³ (2.6 m ³)	3.9 yd ³ (3.0 m ³)	3.9 yd ³ (3.0 m ³)
Height	44" (1.1 m)	44" (1.1 m)	44" (1.1 m)

Hydraulics

On-demand hydraulics deliver high capacity flow and pressure for exceptional, metered response and powerful force. The system also features a detented "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.

An open center control valve with inlet/outlet section unloading results in minimum pressure drop, maximum efficiency and quick response.

Pump	Gear type, torque converter-mounted
Flow	33.3 gpm (126 L/min) @ 2000 rpm
Pressure ...	2500 psi (17 237 kPa)

CYLINDERS

Angle/Tilt Dozer Cylinders

Cylinders	Bore	Stroke	Rod
Lift (2)	3.25" (83 mm)	32.2" (818 mm).....	1.75" (44 mm)
Angle (2)	5" (127 mm)	15" (381 mm).....	2.5" (64 mm)
Tilt (1)	5" (127 mm)	4.7" (119 mm).....	2.5" (64 mm)

Brakes

Case power wet disc brakes are designed for low effort, precision work. And whether you need to ease around obstructions, or stop mid-slope with a full load, you can rely on the braking power of the 1150G.

The 1150G features automatic self-adjusting wet disc brakes with forced oil cooling, visual wear indicators, and 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.

Service

Service is important when buying a crawler. Case makes servicing fast and easy for minimum downtime.

Important service features include spin-on filters for quick changes, an easy-open access door with grouped service points for fast and easy daily maintenance, ground line servicing, hydraulic track adjusters, and fewer engine parts for reduced maintenance.

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



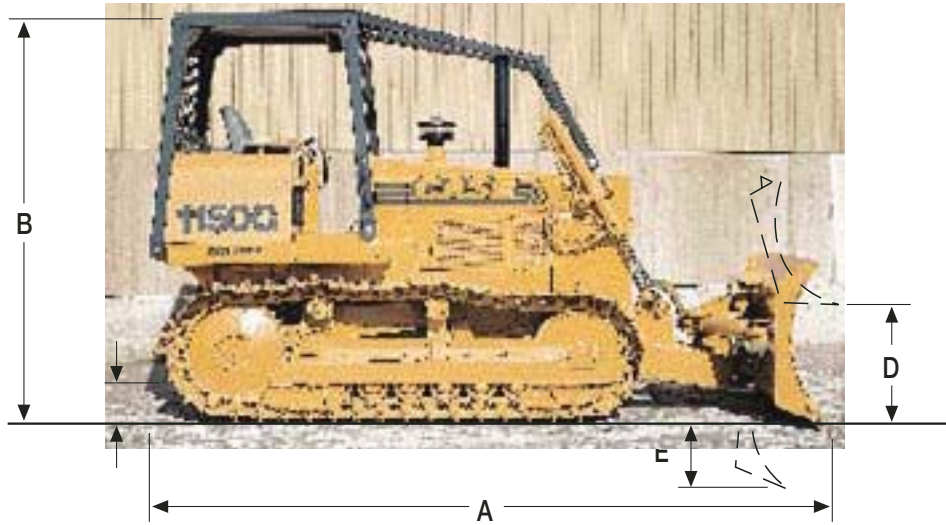
SERVICE CAPACITIES

Fuel.....	56 gal (212 L)
Hydraulic system.....	17 gal (64 L)
Transmission/torque converter.....	60 qt (57 L)
Engine oil (w/filter).....	16 qt (15.1 L)
Final drives (each side).....	8 qt (7.6 L)
Cooling system.....	26 qt (24.6 L)

ELECTRICAL

Voltage	24-volt, negative ground
Alternator.....	45 amp
Battery (2).....	12-volt, low-maintenance, 700 cold-cranking amps @ 0° F (-18° C)

Dimensions



	62" (1.57 m) 110" (2.79 m) Angle/Tilt	62" (1.57 m) or 74" (1.88 m) 124" (3.15 m) Angle/Tilt	LGP* 74" (1.88 m) 124" (3.15 m) Angle/Tilt
A. Length – blade straight (w/drawbar)	16'2" (4.93 m)	16'2" (4.93 m)	16'2" (4.93 m)
Length – blade angled (w/drawbar)	17'10" (5.44 m)	18' (5.48 m)	18' (5.48 m)
Width – blade straight	110" (2.79 m)	124" (3.15 m)	124" (3.15 m)
Width – blade angled	102" (2.59 m)	115" (2.92 m)	115" (2.92 m)
B. Height to top of ROPS	9'6" (2.90 m)	9'6" (2.90 m)	9'6" (2.90 m)
Height to top of cab*	9'11" (3.02 m)	9'11" (3.02 m)	9'11" (3.02 m)
C. Ground clearance	12.9" (328 mm)	12.9" (328 mm)	12.9" (328 mm)
D. Blade lift above ground	38" (965 mm)	38" (965 mm)	38" (965 mm)
E. Blade depth below ground	19" (483 mm)	19" (483 mm)	19" (483 mm)
Blade angle both directions	0° - 25°	0° - 25°	0° - 25°
Blade tilt, each end.....	14" (356 mm)	14" (356 mm)	15" (381 mm)
Dozer blade –			
Blade height	44" (1.12 m)	44" (1.12 m)	44" (1.12 m)
Push beam	inside	inside	inside
Blade capacity (SAE J1265)	3.38 yd ³ (2.58 m ³)	3.86 yd ³ (2.95 m ³)	3.86 yd ³ (2.95 m ³)
Tractor dozer –			
Overall length with ripper raised.....	18'11" (5.77 m)	18'11" (5.77 m)	18'11" (5.77 m)
– less inside "C" frame and blade	11'10" (3.61 m)	11'10" (3.61 m)	11'10" (3.61 m)
Maximum shoe width	22" (559 mm)	22" (559 mm)	34" (864 mm)
Overall width at track w/max. shoe.....	84" (2.13 m)	96" (2.44 m)	108" (2.74 m)
Turning clearance circle, brake turn	24'7" (7.49 m)	26'8" (8.13 m)	26'8" (8.13 m)
Operating weight (approx.) ¹	25,300 lb (11 476 kg)	26,300 lb (11 929 kg) ²	27,060 lb (12 274 kg)

*Total cab height with air conditioning is 10'5" (3.18 m).

¹Includes ROPS/FOPS, full fuel tank, 175 lb (79 kg) operator, maximum width track shoes, drawbar, side shields and track guides.

²With 22" (559 mm) track shoes.

*Note: Case High Flotation LGP Crawler Tractors are designed for use in mud or soft footing. If misapplied by frequent use in ground conditions other than those described, decreased undercarriage life or possible component damage can result.



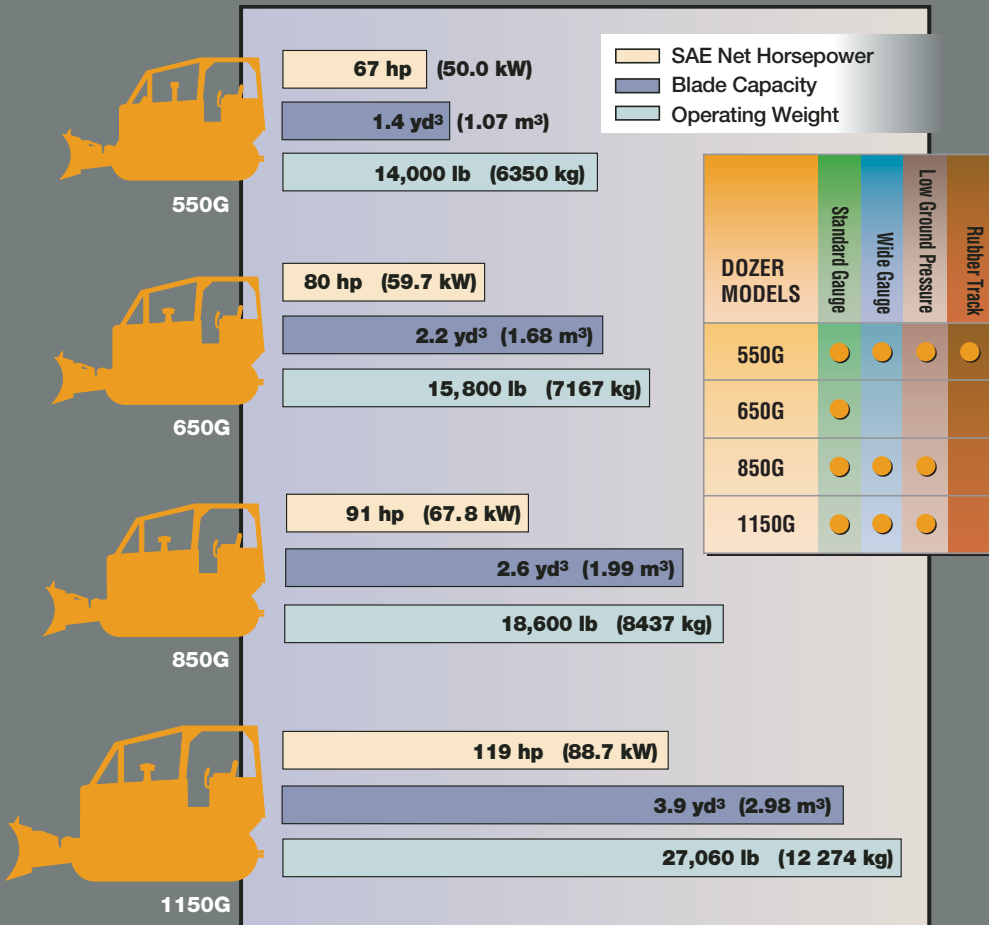
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NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

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