



Crawler 850G

ENGINE

Model..... Case 6T-590
 Type 4-stroke, turbocharged
 Fuel injection Direct
 Cylinders 6
 Bore/Stroke..... 4.02" x 4.72"
 Displacement 359 in³
 Horsepower
 Gross 99 @ 2200 rpm
 Net 89 @ 2200 rpm
 Maximum torque
 Gross 273 lb-ft @ 1200 rpm
 Net 265 lb-ft @ 1200 rpm

DRIVELINE

4 forward/reverse speeds – Pressure-sensing forward/reverse modulation – Torque converter – Modular power-train – Individual track speeds

TRAVEL SPEEDS MPH

	Forward	Reverse
1st	2.1.....	2.5
2nd	3.3.....	3.5
3rd	3.7.....	4.0
4th	5.6.....	6.1

CONTROLS

U-shift or optional straight-line forward/reverse shift pattern – Track speed levers – 6-way blade control – Foot and hand throttles – Optional decelerator pedal – Lockable neutral start lever – Ignition key switch

HYDRAULIC SYSTEM

Pump Front-mounted, gear type
 Flow..... 23.9 gpm @ 2200 rpm
 Pressure
 (both LT & LGP)..... 2700 psi

ELECTRICAL SYSTEM

Voltage..... 24-volt, negative ground
 Alternator 45 amp
 Battery..... Low-maintenance
 650 cold-cranking amps
 @ 0° F

SERVICE CAPACITIES

Fuel..... 47.0 gal
 Hydraulic system 13.6 gal
 Transmission/torque
 converter 8.0 gal
 Engine oil (w/filter) 4.0 gal
 Final drives (each side)..... 1.9 gal
 Cooling system 5.0 gal

MAXIMUM DRAWBAR PULL

1st gear..... 33,589 lb
 2nd gear..... 22,266 lb
 3rd gear 19,891 lb
 4th gear 12,923 lb

BLADE

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

Blade Width 124"
 Blade Height 36"

UNDERCARRIAGE

Track frame Rigid
 Track rollers (each side) 6
 Carrier rollers (each side)..... 1
 Track gauges
 Long track 60"
 LGP 70"
 Length of track on ground 88"
 Shoes per track (each side)..... 38
 Maximum track shoe width
 Long track 18"
 LGP 28"
 Area of track on ground
 LT w/18" shoes 3,157 in²
 LGP w/24" shoes 4,210 in²
 LGP w/28" shoes 4,911 in²
 Ground pressure
 LT w/18" shoes 5.47 psi
 LGP w/24" shoes 4.32 psi
 LGP w/28" shoes 3.78 psi
 Height of track shoe
 Long track 2.1"
 Pyramid 2.1"

STEERING/BRAKING

Power turn 1 track/high speed
 1 track/low speed
 Gradual turn..... 1 track engaged
 1 track in neutral
 Brake turn both tracks in
 same speed

DIMENSIONS

	Long Track 60 inches	LGP 70 inch-
es		
Length - blade straight (w/drawbar).....	13'11.5"	13'11.5"
Length - blade angled (w/drawbar).....	15'7.5"	14'4"
Width - blade straight.....	104"	124"
Width - blade angled.....	96"	115"
Height to top of ROPS.....	8'10"	8'10"
Height to top of cab.....	9'5"	9'5"
with air conditioning.....	9'11"	9'11"
Height to top of exhaust pipe.....	8'2"	8'2"
Height to top of seat.....	6'6"	6'6"
Ground clearance.....	13"	13"
Blade lift above ground.....	36"	36"
Blade depth below ground.....	18"	18"
Blade angle both directions.....	0° - 25°	0° - 25°
Blade tilt, each end (0° - 8.5°).....	15"	17.9"
Dozer blade		
Blade height.....	36"	36"
Push beam.....	Inside solid arm	Inside solid arm
Blade capacity.....	2.16 yd ³	2.61 yd ³
Tractor Dozer		
Overall length with ripper raised.....	16'3"	16'2"
- less "C" frame and blade.....	10'8"	10'8"
Maximum shoe width.....	18"	28"
Overall width at track w/standard shoe.....	78"	124"
Turning clearance circle, pivot turn.....	21'0"	23'0"
Operating weight (approximate)*.....	17,300 lb	18,600 lb

*Includes ROPS, full fuel tank, 170 lb operator, maximum width track shoes, drawbar, side shields and track guides.

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

CYLINDERS

Cylinders	Bore	Stroke	Rod
Lift (2).....	3.50"	17.40"	1.75"
Angle (2).....	3.50"	15.60"	1.75"
Tilt (1).....	3.50"	5.80"	1.75"

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