



Crawler 650G

ENGINE

Model..... 4T-390
 Type 4-stroke, turbocharged
 Fuel injection Direct
 Cylinders 4
 Bore/Stroke..... 4.02" x 4.72"
 Displacement 237 in³
 Horsepower
 Gross 88 @ 2100 rpm
 Net 80 @ 2100 rpm
 Maximum torque
 Gross 253 lb·ft @ 1400 rpm
 Net..... 243 lb·ft @ 1400 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..... | 2.3 |
| 2nd | 3.2..... | 3.5 |
| 3rd..... | 3.6..... | 4.0 |
| 4th..... | 5.5..... | 6.0 |

CONTROLS

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

HYDRAULIC SYSTEM

Pump..... Front-mounted, gear type
 Flow 23.9 gpm @ 2200 rpm
 Pressure..... 2700 psi

ELECTRICAL SYSTEM

Voltage..... 12-volt, negative ground
 Alternator 65 amp
 Battery (2)..... 650 amps @ 0° F
 Low maintenance

SERVICE CAPACITIES

Fuel..... 47.0 gal
 Hydraulic system 13.6 gal
 Transmission/torque converter 8.0 gal
 Engine oil (w/filter) 2.75 gal
 Final drives (each side)..... 1.9 gal
 Cooling system 5.0 gal

MAXIMUM DRAWBAR PULL

1st gear..... 29,482 lb
 2nd gear..... 18,937 lb
 3rd gear 16,851 lb
 4th gear 10,730 lb

BLADE

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

Blade Width..... 104"
 Blade Height 36"

UNDERCARRIAGE

Track frame Rigid
 Track rollers (each side) 5
 Carrier rollers (each side)..... 1
 Track gauge (Long track)..... 60"
 Length of track on ground 81"
 Shoes per track (each side)..... 36
 Area of track on ground
 w/16" shoes 2,583 in²
 w/18" shoes 2,923 in²
 Ground pressure
 w/16" shoes 6.03 psi
 w/18" shoes 5.43 psi
 Height of track shoe
 Long track..... 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

60-Inch Long Track

| | |
|--|----------------------|
| Length - blade straight (w/drawbar) | 13'5" |
| Length - blade angled (w/drawbar) | 15'1" |
| Width - blade straight..... | 104" |
| Width - blade angled..... | 96" |
| Height to top of ROPS..... | 8'10" |
| Height to top of cab | 9'5" |
| with air conditioning..... | 9'11" |
| Height to top of exhaust pipe..... | 8'2" |
| Height to top of seat | 6'6" |
| Ground clearance | 13" |
| Blade lift above ground..... | 36" |
| Blade depth below ground..... | 18" |
| Blade angle both directions | 0° - 25° |
| Blade tilt, each end | 15" |
| Dozer blade | |
| Blade height..... | 36" |
| Push beam | Inside solid arm |
| Blade capacity | 2.16 yd ³ |
| Tractor Dozer | |
| Overall length with ripper raised | 15'7.5" |
| - less "C" frame and blade..... | 10'8" |
| Maximum shoe width | 18" |
| Overall width at track w/max. shoe | 78" |
| Turning clearance circle, pivot turn | 21'0" |
| Operating weight (approximate)* | 15,800 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 those described, decreased undercarriage life or possible component damage can result.

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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