**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

**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**

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

*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**

<table>
<thead>
<tr>
<th>Cylinders</th>
<th>Bore</th>
<th>Stroke</th>
<th>Rod</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lift (2)</td>
<td>3.50&quot;</td>
<td>17.40&quot;</td>
<td>1.75&quot;</td>
</tr>
<tr>
<td>Angle (2)</td>
<td>3.50&quot;</td>
<td>15.60&quot;</td>
<td>1.75&quot;</td>
</tr>
<tr>
<td>Tilt (1)</td>
<td>3.50&quot;</td>
<td>5.80&quot;</td>
<td>1.75&quot;</td>
</tr>
</tbody>
</table>

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