### ENGINE

- Model: 4-390/4T 390
- Type: 4-stroke
- Fuel injection: Direct
- Cylinders: 4
- Bore/Stroke: 4.02" x 4.72"
- Displacement: 239 in³

- Horsepower 4-390 (naturally aspirated)
  - Gross: 75 @ 2200 rpm
  - Net: 67 @ 2200 rpm

- Maximum torque
  - Gross: 196 lb·ft @ 1600 rpm
  - Net: 186 lb·ft @ 1450 rpm

- Horsepower 4T-390 (turbocharged)
  - Gross: 75 @ 2200 rpm
  - Net: 67 @ 2200 rpm

- Nominal Peak torque
  - Gross: 201 lb·ft @ 1400 rpm
  - Net: 193 lb·ft @ 1300 rpm

### HYDRAULIC SYSTEM

- Pump: Front-mounted gear type
- Flow: 18.6 gpm @ 2000 rpm
- Pressure: 2500 psi
- LGP: 2200 psi

### ELECTRICAL SYSTEM

- Voltage: 12-volt, negative ground
- Alternator: 65 amp
- Battery: 12-volt, low-maintenance 700 cold-cranking amps @ 0°F

### SERVICE CAPACITIES

- Fuel: 30.5 gal
- Hydraulic system: 10.3 gal
- Transmission/torque converter: 8.0 gal
- Engine oil (w/filter): 2.8 gal
- Final drives (each side): 1.5 gal
- Cooling system: 4.1 gal

### UNDERCARRIAGE

- Track frame: Rigid
- Track rollers (each side): 6
- Carrier rollers (each side): 1
- Track gauges
  - Long track/Rubber track: 53"
  - LGP: 64"
- Length of track on ground: 78"
- Shoes per track
  - (LT & LGP, each side): 37
  - Rubber track: Continuous
- Area of track on ground
  - LT/RT w/16" shoes: 2,496 in²
  - LGP w/20" shoes: 3,120 in²
  - LGP w/28" shoes: 4,368 in²
- Ground pressure
  - LT w/16" shoes: 5.5 psi
  - RT w/16" shoes: 5.4 psi
  - LGP w/20" shoes: 4.3 psi
  - LGP w/28" shoes: 3.2 psi
- Height of track grouser
  - Long track/LGP: 1.85"
  - Rubber track: 2.0"

### DRAWBAR PULL

#### STEEL TRACK

<table>
<thead>
<tr>
<th>Gear</th>
<th>Turbo</th>
<th>1st</th>
<th>21,603 lb</th>
<th>21,829 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>2nd</td>
<td>15,527 lb</td>
<td>15,691 lb</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3rd</td>
<td>12,341 lb</td>
<td>12,473 lb</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4th</td>
<td>8,799 lb</td>
<td>8,894 lb</td>
</tr>
</tbody>
</table>

#### RUBBER TRACK

<table>
<thead>
<tr>
<th>Gear</th>
<th>1st</th>
<th>20,097 lb</th>
<th>20,308 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2nd</td>
<td>14,435 lb</td>
<td>14,587 lb</td>
</tr>
<tr>
<td></td>
<td>3rd</td>
<td>11,466 lb</td>
<td>11,588 lb</td>
</tr>
<tr>
<td></td>
<td>4th</td>
<td>8,164 lb</td>
<td>8,253 lb</td>
</tr>
</tbody>
</table>

### CONTROLS

- U-shift or optional straight-line forward/reverse shift pattern
- Individual track levers
- Foot-operated shifter

### 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></th>
<th>Long Track/Rubber Track</th>
<th>LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length - blade straight</td>
<td>12'10.8&quot;</td>
<td>12'10.8&quot;</td>
</tr>
<tr>
<td>Length - blade angled</td>
<td>14'7.1&quot;</td>
<td>14'6&quot;</td>
</tr>
<tr>
<td>Width - blade straight</td>
<td>96&quot;</td>
<td>104&quot;</td>
</tr>
<tr>
<td>Width - blade angled</td>
<td>88.5&quot;</td>
<td>99.6&quot;</td>
</tr>
<tr>
<td>Height to top of ROPS</td>
<td>8'4.6&quot;</td>
<td>8'4.6&quot;</td>
</tr>
<tr>
<td>Height to top of exhaust pipe</td>
<td>75.7&quot;</td>
<td>75.7&quot;</td>
</tr>
<tr>
<td>Height to top of seat</td>
<td>6'1.0&quot;</td>
<td>6'1.0&quot;</td>
</tr>
<tr>
<td>Ground clearance</td>
<td>LT 12.7&quot;/RT 13.5&quot;</td>
<td>12.7&quot;</td>
</tr>
<tr>
<td>Blade lift above ground</td>
<td>39&quot;</td>
<td>39&quot;</td>
</tr>
<tr>
<td>Blade depth below ground</td>
<td>19.6&quot;</td>
<td>19.6&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</td>
<td>13&quot;</td>
<td>14&quot;</td>
</tr>
</tbody>
</table>

### 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>2.5&quot;</td>
<td>28.0&quot;</td>
<td>1.5&quot;</td>
</tr>
<tr>
<td>Angle (2)</td>
<td>4.0&quot;</td>
<td>8.3&quot;</td>
<td>2.0&quot;</td>
</tr>
<tr>
<td>Tilt (1)</td>
<td>3.0&quot;</td>
<td>8.0&quot;</td>
<td>1.5&quot;</td>
</tr>
</tbody>
</table>

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