ENGINE

John Deere engineered and manufactured 4-cylinder diesel engine. Replaceable wet-type cylinder liners help ensure superior heat dissipation, longer engine life. High-strength alloy heads include replaceable valve seat inserts. Plasma coated piston rings are also included. High engine torque rise helps provide fast engine recovery when working in tough operating conditions.

**Engine:** John Deere 4039D
Rated power at 2100 rpm ................. 60 SAE net hp (45 kW)
Displacement ................................ 4
Fuel consumption, typical ............. 0.4 to 0.5 gal/hr (1.5 to 2.0 L/hr)
Maximum net torque at 1500 rpm ........ 158 lb-ft (215 Nm)
Lubrication ................................ dual stage, dry type with safety element, precharger and restriction indicator
Electrical system ......................... 12 volt with 65 amp alternator
Cooling fan ................................ blower

TRANSMISSION

The Hi-Lo-Reverse transmission is designed and built by John Deere. You can shift between high, low or reverse in each of four gear ranges without slowing or stopping. Because the Hi-Lo-Reverse is direct drive, a high percentage of power is delivered to the tracks.

**TRAVEL SPEEDS**

<table>
<thead>
<tr>
<th>Gear</th>
<th>mph (km/h)</th>
<th>Gear</th>
<th>mph (km/h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low</td>
<td>1.2 (1.9)</td>
<td>Low</td>
<td>2.8 (4.5)</td>
</tr>
<tr>
<td>High</td>
<td>1.7 (2.7)</td>
<td>High</td>
<td>4.0 (6.4)</td>
</tr>
<tr>
<td>Reverse</td>
<td>1.6 (2.6)</td>
<td>Reverse</td>
<td>3.8 (6.1)</td>
</tr>
<tr>
<td>Low</td>
<td>1.9 (3.1)</td>
<td>Low</td>
<td>4.4 (7.1)</td>
</tr>
<tr>
<td>High</td>
<td>2.6 (4.2)</td>
<td>High</td>
<td>6.2 (10.0)</td>
</tr>
<tr>
<td>Reverse</td>
<td>2.5 (4.0)</td>
<td>Reverse</td>
<td>5.9 (9.5)</td>
</tr>
</tbody>
</table>

FINAL DRIVES

Large heavy-duty final drive assemblies help ensure long service life. To keep final drives from being adversely affected by shock loads, they are isolated from the track frame.

STEERING/BRAKES

Self-adjusting and oil-cooled systems last up to three times longer than dry-type systems. They help reduce maintenance costs by virtually eliminating frequent adjustments and expensive repairs.

HYDRAULICS

Control ................................... T-bar, 3 function
Pressure .................................. 2750 psi (18961 kPa)
Flow ..................................... 11 gpm (46.5 L/min)

TRACKS

John Deere Dura-Trax" undercarriage features large deep-heat-treated components for exceptional wear. Pins and bushings are sealed for life. Rollers and idlers are sealed and permanently lubricated. A long-track option has a 6-roller frame and 77.9 in. (1979 mm) length of track on the ground.

CAPACITIES

Fuel tank ................................ 31 gal. (117.3 L)
Cooling system ......................... 5.25 gal. (19.5 L)
Crankcase, including filter .......... 8.5 qt. (8.0 L)
Transmission, steering clutch housings and final drive ....... 14 gal. (53 L)
Hydraulic reservoir ..................... 6.0 gal. (22.7 L)
Hydraulic system ....................... 8.5 gal. (32.2 L)

OPERATING WEIGHT

400G (with ROPS) SAE
Standard track ........................... 11,820 lb. (5362 kg)
Long track ............................... 12,200 lb. (5534 kg)
**DIMENSIONS**

- **A** Overall height: 98 in. (2489 mm)
- **B** Overall length: 143 in. (3632 mm)
- **C** Blade lift height: 31.4 in. (796 mm)
- **D** Blade height: 28.6 in. (727 mm)
- **E** Digging depth: 20.6 in. (522 mm)
- **F** Blade angle: 25 degrees
- **G** Blade width at full angle: 83 in. (2108 mm)
- **H** Blade width: 90 in. (2286 mm)
- **I** Blade tilt: 10.43 in. (265 mm)
- **J** Blade pitch angle: 50 degrees

Blade capacity, SAE
- 7. 1.05 yd.³ (0.80 m³)
- 84 in. (2134 mm)

Blade capacity, SAE
- 1.13 yd.³ (0.86 m³)
- 90 in. (2286 mm)
UNDERCARRIAGE

Standard Track

- Grouser, closed center: 14 in. (356 mm)
- Track shoes, each side: 36
- Ground contact area: 1940 sq. in. (12,516 cm²)
- Ground pressure: 6.1 psi (42 kPa)
- Length of track on ground: 69.3 in. (1760 mm)
- Track gauge: 50 in. (1270 mm)
- Carrier roller: 1
- No. of track rollers: 5
- Adjustment: hydraulic
- Ground clearance: 11.6 in. (294 mm)

Long Track (Optional)

- 14 in. (356 mm)
- 39
- 2130 sq. in. (14,054 cm²)
- 5.6 psi (38.6 kPa)
- 77.9 in. (1979 mm)
- 50 in. (1270 mm)
- 1
- 6
- hydraulic
- 11.6 in. (294 mm)

FORESTRY APPLICATION

The 400G Crawler can be equipped for forestry applications with the addition of limb risers and screens for the rollover protective structure. A John Deere-built winch adds versatility for skidding and clearing operations.

DRAWBAR PULL

(with adequate weight and traction at maximum engine torque)

<table>
<thead>
<tr>
<th>Gear:</th>
<th>lb.</th>
<th>(kN)</th>
<th>(kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L</td>
<td>12,900</td>
<td>57.3</td>
<td>5840</td>
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<tr>
<td>H</td>
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<td>51.5</td>
<td>5250</td>
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<tr>
<td>Range 2</td>
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</tr>
<tr>
<td>L</td>
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<td>45.9</td>
<td>4680</td>
</tr>
<tr>
<td>H</td>
<td>8,200</td>
<td>36.7</td>
<td>3742</td>
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</tr>
<tr>
<td>H</td>
<td>5,000</td>
<td>22.3</td>
<td>2273</td>
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<tr>
<td>Range 4</td>
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</tr>
<tr>
<td>L</td>
<td>4,600</td>
<td>20.6</td>
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<tr>
<td>H</td>
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