**ENGINE**

John Deere engineered and manufactured 6-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. The forged steel, 7-main bearing crankshaft is statically and dynamically balanced for smooth operation. Cast aluminum pistons reduce rod bearing loads and provide vital heat transfer; pistons are sprayed with cooling oil for longer life.

**Engine**: John Deere 6068T  
Rated power at 2100 rpm: 148 SAE net hp (104 kW)  
Turbocharger: standard  
Cylinders: 6  
Displacement: 414 cu. in. (6.785 L)  
Fuel consumption, typical: 3.5 to 5.0 gal./hr. (13.5 to 19 L/h)  
Maximum net torque at 1300 rpm: 420 lb.-ft. (570 Nm)  
Lubrication: pressure system with full-flow filters  
Air cleaner: dry type with restriction indicator  
Electrical system: 24-volt with 40-amp alternator  
Cooling fan: blower

**STEERING**

 Steering is done hydrostatically by varying track speed and/or direction. Depressing a pedal slows or varies the speed of the track, all the way to a stop if desired. Continuing to depress the pedal will cause the track to reverse for counterrotation. Hydrostatic steering eliminates the need for steering clutches and steering brakes, as well as the need for cross-steering when working on steep slopes.

**HYDRAULICS**

- **System**: Open center  
- **Pressure**: 2500 psi (17237 kPa)  
- **Flow at 2100 rpm**: 54 gpm (204 L/min)

**TRACKS**

6-roller, 93.5-in. (2375 mm) track frame with front and rear track guides and sprocket guard. Dura-Trax™ undercarriage features deep-heat-treated, sealed and lubricated track links and through-hardened sealed and lubricated rollers for maximum wear resistance.

- **Standard Track**
  - Two-bar grousers: 17 in. (432 mm)  
  - Track shoes, each side: 36  
  - Ground contact area: 3173 sq. in. (20472 cm²)  
  - Ground pressure: 11.4 psi (78.6 kPa)  
  - Length of track on ground: 93.5 in. (2375 mm)  
  - Track gauge: 66 in. (1676 mm)  
  - Carrier roller, each side: 1

- **Wide Track**
  - Two-bar grousers: 21 in. (533 mm)  
  - Track shoes, each side: 36  
  - Ground contact area: 3927 sq. in. (25336 cm²)  
  - Ground pressure: 9.5 psi (65.5 kPa)  
  - Length of track on ground: 93.5 in. (2375 mm)  
  - Track gauge: 70 in. (1778 mm)  
  - Carrier roller, each side: 1  
  - Adjustment: hydraulic  
  - Ground clearance, minimum: 15.3 in. (389 mm)

**CAPACITIES**

- **Fuel tank**: 73 gal. (276.3 L)  
- **Cooling system**: 7 gal. (26.5 L)  
- **Crankcase**: 2.8 qt. (17 L)  
- **Crankcase, including filter**: 20 qt. (18.9 L)  
- **Splitter drive**: 1.5 gal. (5.7 L)  
- **Final drive each**: 1st reduction: 6.25 gal. (23.6 L)  
- **2nd reduction**: 3.5 gal. (13.2 L)  
- **Loader hydraulic system**: 37 gal. (140 L)  
- **Hydrostatic drives**: 33 gal. (125 L)

**OPERATING WEIGHTS**

- **755B (with ROPS)**  
  - **SAE**: 56,150 lb. (16,400 Kg)  
  - **Standard track**: 57,450 lb. (17,000 Kg)  
  - **Wide track**: 57,450 lb. (17,000 Kg)
Key:

Bucket Type

Capacity, heaped, SAE
A. Overall height
B. Overall length
C. Reach at maximum height (45° discharge)
D. Reach at 84 in. (2134 mm) clearance (45° discharge)
E. Dump clearance, maximum height (45° discharge)
F. Maximum operating height
G. Rollback angle

General Purpose

Standard

2.5 cu. yd. (1.9 m³)

123.7 in. (3142 mm)

222 in. (5639 mm)

47 in. (1194 mm)

67 in. (1702 mm)

112 in. (2845 mm)

194 in. (4928 mm)

Concrete level

38 degrees

Carry position

45 degrees

Height to hinge pin

143 in. (3632 mm)

Digging depth

4.2 in. (107 mm)

Wide-Track

2.5 cu. yd. (1.9 m³)

123.7 in. (3142 mm)

222.5 in. (5652 mm)

47.5 in. (1206 mm)

67.5 in. (1715 mm)

111.5 in. (2832 mm)

195 in. (4953 mm)

36 degrees

45 degrees

143 in. (3632 mm)

4.2 in. (107 mm)

Multipurpose

2 cu. yd. (1.5 m³)

123.7 in. (3142 mm)

223 in. (5664 mm)

47.4 in. (1204 mm)

65 in. (1651 mm)

111.6 in. (2835 mm)

190 in. (4826 mm)

36 degrees

45 degrees

143 in. (3632 mm)

4.2 in. (107 mm)
### 755B LOADER OPERATING INFORMATION

<table>
<thead>
<tr>
<th>Bucket Type</th>
<th>General Purpose</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Standard</td>
<td>Wide Track</td>
<td>Multipurpose</td>
</tr>
<tr>
<td>Capacity, heaped, SAE</td>
<td>cu. yd. m³</td>
<td>2.25</td>
<td>2.5</td>
<td>2.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.7</td>
<td>1.9</td>
<td>1.5</td>
</tr>
<tr>
<td>Capacity, struck, SAE</td>
<td>cu. yd. m³</td>
<td>1.9</td>
<td>2.1</td>
<td>1.6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.5</td>
<td>1.6</td>
<td>1.2</td>
</tr>
<tr>
<td>Bucket width</td>
<td>in. mm</td>
<td>89.1</td>
<td>96.6</td>
<td>89.1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2263</td>
<td>2454</td>
<td>2263</td>
</tr>
<tr>
<td>Bucket weight, without teeth</td>
<td>lb. kg</td>
<td>2110</td>
<td>2150</td>
<td>3520</td>
</tr>
<tr>
<td></td>
<td></td>
<td>960</td>
<td>975</td>
<td>1597</td>
</tr>
<tr>
<td>Breakout force, SAE</td>
<td>lb. kN</td>
<td>27,500</td>
<td>27,150</td>
<td>27,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>122</td>
<td>121</td>
<td>120</td>
</tr>
<tr>
<td>Tipping load, (with drawbar, four</td>
<td>lb. kg</td>
<td>25,340</td>
<td>26,120</td>
<td>23,930</td>
</tr>
<tr>
<td>counterweights, ROPS)</td>
<td></td>
<td>11,494</td>
<td>11,845</td>
<td>10,854</td>
</tr>
<tr>
<td>Raising time</td>
<td>sec.</td>
<td>5.86</td>
<td>5.86</td>
<td>5.86</td>
</tr>
<tr>
<td>Dumping time</td>
<td>sec.</td>
<td>1.27</td>
<td>1.27</td>
<td>1.27</td>
</tr>
<tr>
<td>Lowering time</td>
<td>sec.</td>
<td>3.23</td>
<td>3.23</td>
<td>3.23</td>
</tr>
<tr>
<td>Operating weight with ROPS canopy</td>
<td>lb. kg</td>
<td>36,150</td>
<td>37,450</td>
<td>37,560</td>
</tr>
<tr>
<td></td>
<td></td>
<td>16,400</td>
<td>17,000</td>
<td>17,030</td>
</tr>
<tr>
<td>Operating weight with ROPS cab</td>
<td>lb. kg</td>
<td>36,550</td>
<td>37,850</td>
<td>37,960</td>
</tr>
<tr>
<td></td>
<td></td>
<td>16,579</td>
<td>17,169</td>
<td>17,210</td>
</tr>
</tbody>
</table>

Adjustments to operating weights and tipping load for 2.25 cu. yd. (1.7 m³) bucket

### ADJUSTMENTS TO OPERATING WEIGHTS

<table>
<thead>
<tr>
<th>Add (+) or deduct (-) lb. (kg) as indicated for loader equipped with:</th>
<th>Wide Track</th>
<th>Operating Weight</th>
<th>Tipping Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cab</td>
<td>+ 400</td>
<td>+ 400</td>
<td>+ 440</td>
</tr>
<tr>
<td></td>
<td>+ 181</td>
<td>+ 181</td>
<td>+ 200</td>
</tr>
<tr>
<td>Bucket teeth, bolt-on</td>
<td>+ 338</td>
<td>+ 296</td>
<td>- 385</td>
</tr>
<tr>
<td></td>
<td>+ 153</td>
<td>+ 154</td>
<td>- 175</td>
</tr>
<tr>
<td>Bucket teeth, weld-on, flush mount</td>
<td>+ 206</td>
<td>+ 180</td>
<td>- 234</td>
</tr>
<tr>
<td></td>
<td>+ 93</td>
<td>+ 82</td>
<td>- 106</td>
</tr>
<tr>
<td>Air conditioner</td>
<td>+ 109</td>
<td>+ 109</td>
<td>+ 30</td>
</tr>
<tr>
<td></td>
<td>+ 49</td>
<td>+ 49</td>
<td>+ 14</td>
</tr>
<tr>
<td>Ripper (without drawbar and four counterweights)</td>
<td>- 106</td>
<td>- 106</td>
<td>+ 200</td>
</tr>
<tr>
<td></td>
<td>- 48</td>
<td>- 48</td>
<td>+ 91</td>
</tr>
<tr>
<td>Counterweight (each)</td>
<td>± 500</td>
<td>± 500</td>
<td>± 865</td>
</tr>
<tr>
<td></td>
<td>± 227</td>
<td>± 227</td>
<td>± 392</td>
</tr>
</tbody>
</table>