440D SKIDDER

FEATURES
- 85 SAE net hp (63.5 kW) John Deere turbocharged diesel
- Articulated-frame power steering
- Automotive-type, position-responsive steering
- Oscillating front axle
- 6-speed Syncro-Range transmission
- Front-axle differential lock
- Wet-disk power service brakes never need adjusting
- Wet-disk parking brake
- Hydraulically actuated winch
- Arch with adjustable roller
- Extended log bumper

ADD VERSATILITY WITH:
- Stacking blade
- Reversible narrow/wide-gauge wheels and tires
- Cab
- Cold weather starting kit
- Lights

ENGINE PERFORMANCE

Depending on operating variables
440D SKIDDER SPECIFICATIONS

Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE Standards. Except where otherwise noted, specifications are based on a unit with Syncro-Range transmission, 18-4-26, 10 PR tires, full fuel tank, 175-lb. (80 kg) operator and standard equipment.

**Rated Power @ 2200 rpm:**
- **SAE:** 85 hp (63.5 kW)
- **DIN 70 020:** 63.5 kW

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J248 and DIN 70 020, using No.2-D fuel @ 35 API gravity. No derating is required up to 10,000 feet (3050 m) altitude.

**Gross engine power is without cooling fan.**

**Engine:** John Deere 4-276T
- **Type:** 4-stroke cycle, turbocharged diesel
- **Bore and stroke:** 4.19 x 5.00 in. (106.5 x 127 mm)
- **Displacement:** 276 cu. in. (4.524 L)
- **Maximum net torque @ 1300 rpm:** 253 lb-ft (343 Nm) (35 kg-m)
- **Compression ratio:** 16.8:1
- **Cooling system:** Blower
- **Lubrication:** Pressure system w/full-flow filter
- **Maximum net torque @ 2200 rpm:** 180 minutes

**Transmission:** Syncro-Range
- **Constant-mesh gearing with 6 speeds forward, 3 reverse.**
- **Clutch:** 12 inches (305 mm), dry, ceramic-faced, pedal-operated.
- **Differential:** 
- **Cooling system:** 8 gal.
- **Battery:** Reserve capacity: 180 minutes

**Brake:**
- **Parking, winching and emergency stop:** Hand-operated
driven from winch drive.
- **Parking brake warning light**

**Blade:**
- **Hinge-frame power steering.** Position-responsive steering actuated by dual double-acting cylinders. Steering system has hydraulic-pressure priority
- **Outside clearance circle w/o blade:** 33 ft. 10 in. (10.3 m)
- **Outside clearance circle w/blade:** 34 ft. 10 in. (10.6 m)
- **Solid rear axle:** 37 ft. 3 in. (11.4 m)
- **Solid rear axle:** 38 ft. 3 in. (11.7 m)
- **Steering wheel rotation, max. left to right:** 3 turns

**Brakes:**
- **Service, Hydraulic, power-actuated, pedal-controlled wet-disk brakes. Located on transmission output shaft.
- **Parking, winching and emergency stop:** Hand-operated mechanical wet-disk brake located on driveline for braking front and rear axles. Hydraulic release.

**Hydraulic System:**
- **Closed center, constant pressure. Variable-displacement pump driven from crankshaft:** 25 gpm (1.50 L/s), 2000 psi (13 790 kPa) (140.6 kg/cm²) @ 2200 engine rpm.
- **Full-flow filtration, 10-micron filter, oil-to-air cooler. Charge pump driven from winch drive.

**Hydraulic Cylinders:**
- **Bore lift cylinders (2):** 3.50 in. (89 mm)
- **Stroke:** 14.25 in. (362 mm)
- **Hydraulic oil pressure warning light**
- **Engine sideshields**
- **Exhaust deflector**
- **Extended log bumper**
- **Foot throttle**

**Tires:**
- **16.9-30, 10 PR, steel, LS2, logger**
- **18.4-25, 10 PR, steel, LS2, logger**
- **18.4-34, 10 PR, steel, LS2, logger**
- **23.1-26, 10 PR, steel, LS2, logger**
- **28L-26, 10 PR, steel, LS3, logger**

**SAE Operating Weight w/Blade:** 15,090 lb. (6845 kg)

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**Optional or Special Equipment:**
- **Fire extinguisher**
- **Lights, canopy**
- **Secondary steering system**
- **Vandal protection for radiator filler cap**
- **Winch warm-up kit**
440D SKIDDER DIMENSIONS

Sideview dimensions are for skidder equipped with 18.4-26 tires.

<table>
<thead>
<tr>
<th>TIRE SIZE AND WHEEL TYPE</th>
<th>A GROUND CLEARANCE</th>
<th>B WHEEL TREAD</th>
<th>C OVERALL WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.9-30</td>
<td>19 in. (483 mm)</td>
<td>76 in. (1.93 m)</td>
<td>93 in. (2.36 m)</td>
</tr>
<tr>
<td>18.4-26 (Standard wheel and tire)</td>
<td>18 in. (457 mm)</td>
<td>76 in. (1.93 m)</td>
<td>95 in. (2.41 m)</td>
</tr>
<tr>
<td>18.4-26 (Narrow-gauge wheel and tire, Type B)</td>
<td>18 in. (457 mm)</td>
<td>66 in. (1.68 m)</td>
<td>85 in. (2.16 m)</td>
</tr>
<tr>
<td>18.4-26 (Narrow/gauge wheel and tire, Type A)</td>
<td>18 in. (457 mm)</td>
<td>78 in. (1.98 m)</td>
<td>95 in. (2.44 m)</td>
</tr>
<tr>
<td>18.4-26 Wide-gauge mounting</td>
<td>18 in. (457 mm)</td>
<td>66 in. (1.68 m)</td>
<td>85 in. (2.16 m)</td>
</tr>
<tr>
<td>18.4-26 Reversed narrow-gauge mounting</td>
<td>18 in. (457 mm)</td>
<td>82 in. (2.08 m)</td>
<td>106 in. (2.69 m)</td>
</tr>
<tr>
<td>18.4-34</td>
<td>22 in. (559 mm)</td>
<td>76.5 in. (1.94 m)</td>
<td>95 in. (2.41 m)</td>
</tr>
<tr>
<td>23.1-26</td>
<td>21 in. (533 mm)</td>
<td>82 in. (2.08 m)</td>
<td>106 in. (2.69 m)</td>
</tr>
<tr>
<td>28L-26*</td>
<td>22 in. (559 mm)</td>
<td>85 in. (2.16 m)</td>
<td>114 in. (2.90 m)</td>
</tr>
<tr>
<td>67 x 34.00-26*</td>
<td>22 in. (559 mm)</td>
<td>85 in. (2.16 m)</td>
<td>117 in. (2.97 m)</td>
</tr>
</tbody>
</table>

*S3 Series special-application axle required.