JD440-C SKIDDER

FEATURES

70 SAE net hp (71.0 PS)
Articulated frame power steering
Oscillating front axle
6-speed Syncro-Range transmission
Front-axle differential lock
Wet-disk power brakes
Hydraulically controlled winch
Arch with adjustable rollers
JD440-C SKIDDER SPECIFICATIONS

(Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with ICED and SAE Standards. Except where otherwise noted, these specifications are based on a unit equipped with Syncro-Range transmission, 18.4-26, 10-ply tires and standard equipment.)

**Power (@ 2200 engine rpm):**

<table>
<thead>
<tr>
<th>SAE</th>
<th>DIN</th>
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<tbody>
<tr>
<td>Gross</td>
<td>76 hp (56.7 kW)</td>
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<tr>
<td>Net</td>
<td>70 hp (52.2 kW)</td>
</tr>
</tbody>
</table>

Not engine flywheel power is for an engine equipped with fan, air cleaner, water pump, lubricating oil pump, fuel pump, alternator and muffler. The gross engine power is without fan. Flywheel power ratings are under SAE standard conditions of 3000 ft. altitude and 65°F temperature, and DIN 70.023 conditions (non-corrected). No derating is required up to 10,000 feet (3000 m) altitude.

Engine: John Deere 4-cylinder-diesel, 4-stroke cycle

Bore and stroke: 4.19 x 5.00 in. (106.4 x 127 mm)

Compression ratio: 16.7 to 1

Maximum torque @ 1200 rpm: 220 lb-ft (296 Nm)

NACC or AMA (U.S. Tax) horsepower: 72.0 PS

Lubrication: Pressure system w/full-flow filter

Cooling: Pressurized w/thermostat and fixed bypass water pump, lubricating oil pump, fuel pump, alternator and muffler. The

Electrical system: 12-volt w/alternator

Transmission: Syncro-Range

Differentials:

Front: Full differential w/hydraulic lock

Rear: Solid axle w/no differential action

Transmission case (includes hydraulic system): 8 gal.

Winch: 2.5 gal.

**Additional Standard Equipment:**

- Flanged axles
- Muffler
- Fuel gauge
- Oil pressure gauge
- Air cleaner w/restriction indicator
- Blow
- Air cleaner w/restriction indicator
- Dry
- Batteries (2): Reserve capacity: 410 minutes
- Vz-in. (15.8 mm)
- Fz-in. (19.1 mm) cable 100 ft. (30.5 m)
- Bare drum 120 ft. (36.6 m/min)
- Full drum 194 ft. (59.1 m/min)

**Steering:**

Articulated frame hydraulically actuated by dual cylinders

Turning radius: 16 ft. 4 in. (4.98 m)

Turning clearance: 34 ft. 5 in. (10.49 m)

**Hydraulic System:**

Closed-center constant pressure. Variable-displacement pump driven from crankshaft: 25 gpm (95 l/min), 2000 psi (13.7 bar) (140.6 kg/cm²) @ 2200 engine rpm. Full flow filtration, Oil to air cooler.

**Special Equipment:**

- Wheel weights
- 3 in. (76 mm) seat belt
- Log arch w/adjustable rollers
- Automatic fire suppression system
- Steering accumulator
- Engine coolant heater
- Cab with heater and noise treatment
- Windshield with wiper
- Hand throttle
- Fire extinguishers (2)
- Foot throttle

**Winch:**

Live mechanical drive; hydraulically actuated clutch and brake. Single-lever control.

**Cable capacities:**

- 1/2-in. (12.7 mm) cable: 217 ft. (66.1 m)
- 3/4-in. (19.1 mm) cable: 100 ft. (30.5 m)
- Bare drum 120 ft. (36.6 m/min)
- Full drum 194 ft. (59.1 m/min)

**Line speed (2200 rpm):**

- Bare drum 120 ft. (36.6 m/min)
- Full drum 194 ft. (59.1 m/min)

**Lineup:**

- Cast drum 23,906 lb. (107.2 kN) (10,844 kg)
- Full drum 14,711 lb. (66.0 kN) (6673 kg)

**Blade:**

- Hydraulic control
- Width: 6 ft. (1.83 m)
- Height (ends): 1 ft. 8 in. (508 mm)
- Height (center): 2 ft. 3 in. (686 mm)
- Max. lift above ground level: 4 ft. (1.22 m)
- Max. drop below ground level: 9.5 in. (241 mm)

**Arch:**

- Horizontal roller 6 in. dia. (152 mm)
- Vertical rollers (through-hardened steel) 4.5 in. dia. (114 mm)

**SAE Operating Weight:**

14,175 lb. (6430 kg)
JD440-C SKIDDER DIMENSIONS

Sideview dimensions are for Skidder equipped with 18.4-26 tires, and adjustable arch.

<table>
<thead>
<tr>
<th>TIRE SIZE</th>
<th>A WHEEL TREAD</th>
<th>B GROUND CLEARANCE</th>
<th>C OVERALL WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.9-30</td>
<td>74 in. (1.85 m)</td>
<td>1 ft. 7 in. (463 mm)</td>
<td>7 ft. 7 in. (2.31 m)</td>
</tr>
<tr>
<td>18.4-26</td>
<td>74 in. (1.85 m)</td>
<td>1 ft. 6 in. (457 mm)</td>
<td>7 ft. 8.4 in. (2.35 m)</td>
</tr>
<tr>
<td>23.1-26</td>
<td>74 in. (1.85 m)</td>
<td>1 ft. 9 in. (533 mm)</td>
<td>8 ft. 7.9 in. (2.64 m)</td>
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