Articulated frame power steering
Oscillating front axle
8-speed transmission, Power-Shift or direct drive
Front-axle differential lock
Disk-type, wet, power brakes

May be equipped with:
- Drawbar w/ clevis
- Roll-over protective structure

Curves shown are for an engine complete with fuel system, water pump, lubricating pump, air cleaner, alternator, fan, and muffler. Data shows performance observed at conditions of 29.38 in. of mercury barometric pressure (500 ft.) and 85° F. air temperature.
JD440-B TRACTOR SPECIFICATIONS

(Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with IEMC and SAE Standards. Except where otherwise noted, these specifications are based on a unit equipped with direct drive transmission; 16.9-30, 8-ply-rating, logging tires, and standard equipment.)

Horsepower (at 2,500 engine rpm):
- SAE
- DIN
  - Gross 75.5
  - Net 74.4 PS

Net engine flywheel horsepower is for an engine equipped with fan, air cleaner, water pump, lubricating oil pump, fuel pump, alternator and muffler. Gross engine horsepower is without fan. Gross and net flywheel horsepower ratings are under SAE standard conditions of 500-ft. altitude and 85°F. temperature and DIN 70 020 standard conditions of 760 mm Hg barometer (sea level) and 20°C. temperature.

Engine: John Deere Diesel, 4-cylinder, 4-stroke cycle
- Bore and stroke: 4.02 x 4.33 in. (102 x 110 mm)
- Piston displacement: 219 cu. in. (3588 cm³)
- Compression ratio: 16.7:1
- Governed speed range: 800-2,500 rpm
- Maximum torque @ 1,500 rpm: 173 lb-ft (23,8 kg-m)
- N.A.C.C. or A.M.A. (U.S. Tax) horsepower: 23.84

Lubrication: Pressure system with full-flow filter
Cooling: Pressurized with thermostat and fixed bypass
- Fan: Suction-type
- Air cleaner: Dry-type
Electrical and starting system: 12-volt with alternator

Differentials:
- Front: Full differential with hydraulic lock
- Rear: Solid axle with no differential action

Power Steering:
Articulated frame hydraulically actuated by dual cylinders.
- Turning radius: 16 ft. 8 in. (5,06 m)

**DIRECT DRIVE**

Transmission
Constant-mesh type with 8 speeds forward, 4 reverse. Four forward speed ranges with synchronized shifting between low and high within each range. Incorporates transmission lock for parking. Clutch is 12 in. (305 mm), dry-type, feramic-faced, foot- and hand-operated.

Travel Speeds
(2,500 engine rpm, no tire slip)
- Forward: 2 mph (3,2 km/h) to 17 mph (27,4 km/h)
- Reverse: 2 mph (3,2 km/h) to 8.5 mph (13,7 km/h)

Brakes
Hydraulic power actuated, wet-disk-type on output shaft. Hand-operated mechanical brake for parking and winching.

Operating Weight (approx.)
10,450 lb. (4740 kg)

**POWER-SHIFT**

Planetary gear type. Hydraulically actuated wet-disk clutches and brakes. 8 forward, 4 reverse speeds selected by a single lever. Disconnect clutch is 12 in. (305 mm), dry-type, hand-operated.

Transmission

<table>
<thead>
<tr>
<th>TIRE SIZE</th>
<th>DIRECT DRIVE</th>
<th>POWER-SHIFT</th>
<th>DIRECT DRIVE</th>
<th>POWER-SHIFT</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.9-30</td>
<td>74 in. (1,88 m)</td>
<td>76 in. (1,93 m)</td>
<td>1 ft 6.6 in. (472 mm)</td>
<td>1 ft 6.6 in. (472 mm)</td>
</tr>
<tr>
<td>18.4-26</td>
<td>75,5 in. (1,92 m)</td>
<td>75,5 in. (1,92 m)</td>
<td>1 ft 6 in. (457 mm)</td>
<td>1 ft 6 in. (457 mm)</td>
</tr>
</tbody>
</table>

Brakes
Hydraulic power actuated, dual-controlled disk-type on 4 wheels. Hand-operated mechanical brake for parking and winching.

Operating Weight (approx.)
11,900 lb. (5390 kg)

Standard Equipment:
- Flanged axles
- Vertical muffler w/ rain cap
- Fuel gauge
- Oil-pressure warning light
- Alternator-charge warning light
- Air-cleaner-restriction indicator
- Water-temperature gauge
- Front axle differential lock
- Transistorized voltage regulator
- Electric hour meter
- Key-switch safety start
- Cigar lighter

Horn
Lights (front, rear, and panel)
Engine side-shields
Deluxe seat w/ suspension
Foot throttle
Hand throttle
Two 70-amp. batteries
Ether starting aid

Special Equipment:
- Wheel weights
- Drawbar w/ clevis
- Auxiliary hydraulic outlets
- Engine-coolant heater
- Roll-over protective structure w/ canopy and seat belt
- Spark arrester muffler
- Shielded muffler
- Blower fan
- Altitude compensator

Dimensions:
- Wheelbase: 89 in. (2,26 m)
- Height to top of muffler (18.4-26 tires): 7 ft 10 in. (2,39 m)

Capacities:
- U.S.: 24 gal. 90.8
- Liters: 90.8

Engine lubrication, including filter: 9 qt.
Front differential 9 gal.
Rear axle case 18 qt.

10,450 lb. (4740 kg)

11,900 lb. (5390 kg)