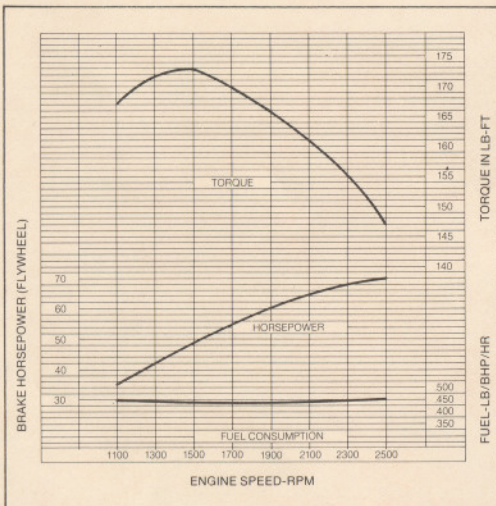




JD440-B TRACTOR



ENGINE PERFORMANCE



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.

FEATURES

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

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	70	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 to 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. (5,08 m)

Hydraulic System:

Closed-center, constant-pressure. Variable-displacement pump driven from crankshaft. . . 28 gpm (106 lpm), 2,000 psi (140,6 kg/cm²) @ 2,500 engine rpm. Oil cooler included in system.

Tires:

16.9-30, 8-ply-rating, logging; 18.4-26, 10-ply-rating, logging

Drive Axles:

Four-wheel drive with inboard planetary gears on all axles. Front axle oscillates 15 degrees above and below horizontal. 18 in. (457 mm) total travel at tire center line.

Dimensions:

TIRE SIZE	WHEEL TREAD		GROUND CLEARANCE		OVER-ALL WIDTH	
	DIRECT DRIVE	POWER-SHIFT	DIRECT DRIVE	POWER-SHIFT	DIRECT DRIVE	POWER-SHIFT
16.9-30	74 in. (1,88 m)	76 in. (1,93 m)	1 ft. 6.6 in. (472 mm)	1 ft. 6.6 in. (472 mm)	7 ft. 7 in. (2,31 m)	7 ft. 9 in. (2,36 m)
18.4-26	73.5 in. (1,87 m)	75.5 in. (1,92 m)	1 ft. 6 in. (457 mm)	1 ft. 6 in. (457 mm)	7 ft. 8.4 in. (2,35 m)	7 ft. 10.4 in. (2,40 m)

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.	Liters
Fuel tank	24 gal.	90,8
Cooling system	4 gal.	15,1
Engine lubrication, including filter	9 qt.	8,5
Transmission-hydraulic system:		
Direct drive	8 gal.	30,3
Power-Shift	9 gal.	34,1
Front differential	9 gal.	34,1
Rear axle case	18 qt.	17,0

DIRECT DRIVE

POWER-SHIFT

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-pedal-operated.

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.

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)

Forward: 1.5 mph (2,5 km/h) to 16.1 mph (26 km/h)
 Reverse: 1.7 mph (2,7 km/h) to 5.1 mph (8,2 km/h)

Brakes

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

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

Operating Weight (approx.)

10,450 lb. (4740 kg)

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