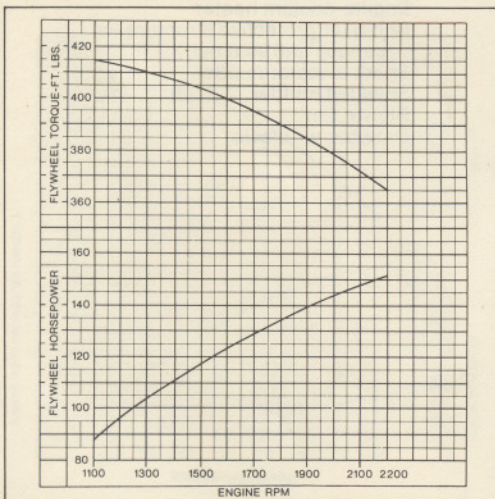




# JD760-A TRACTOR



## 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

- 152 net engine flywheel horsepower (161,6 PS)
- 6-cylinder John Deere Diesel engine
- 21,800 lb. (9888 kg) maximum rimpull @ 1.2 mph (1,9 km/h)
- Power-Shift transmission: 8 speeds forward, 3 reverse
- Differential lock
- Power steering
- Power brakes
- Oscillating front axle
- Air-suspension, shock-absorbing, fully-adjustable bucket seat

May be equipped with:  
Drawn or semi-integral equipment

# JD760-A TRACTOR SPECIFICATIONS

(Specifications and design are subject to change without notice. Wherever applicable, specifications are in accordance with IEMC and SAE Standards. Except where otherwise noted, these specifications are for a unit equipped with 11.00-15, 12-ply-rating, F3 front tires; 23.5-25, 12-ply-rating rear tires; standard equipment, and no roll-over protective structure.)



<b>Horsepower (@ 2,200 engine rpm):</b>	<b>SAE</b>	<b>DIN</b>
Gross .....	159	
Net .....	152	161,6 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, 6-cylinder, 4-stroke cycle  
 Bore and stroke ..... 4.75 x 5 in. (121 x 127 mm)  
 Piston displacement ..... 531 cu. in. (8701 cm<sup>3</sup>)  
 Compression ratio ..... 16.5 to 1  
 Governed speed range ..... 800-2,200 rpm  
 Maximum torque @ 1,100 rpm ..... 415 lb-ft (57,4 kg-m)  
 NACC or AMA (U.S. Tax) horsepower ..... 54.2  
 Main bearings ..... 7  
 Lubrication ..... Pressure 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

**Engine Disconnect Clutch** ... Foot-operated, spring-loaded, 13-in. (330 mm) dry disk.

**Transmission** ... Power-Shift, 8 forward and 3 reverse selections

**Differential Lock** ..... Foot-operated, hydraulically actuated

**Final Drives** ..... Inboard, planetary-type

**Brakes** ... Hydraulic-power actuated, wet-disk. Foot operated individually or simultaneously

**Hydraulic System:** Closed-center  
 System pressure ..... 2,000 psi (140,6 kg/cm<sup>2</sup>)  
 Pump ... Variable-displacement, 26 gpm (98 lpm) @ 2,200 engine rpm

**Steering** ..... Power  
 Turning radius (brake applied) ..... Approx. 12 ft. 6 in. (3,81 m)  
 Turning clearance circle:  
 Brake applied ..... Approx. 27 ft. 5 in. (8,36 m)  
 Without brakes ..... Approx. 29 ft. 8 in. (9,04 m)  
 Number of turns, far left to far right ..... 4.7

**Oscillation** ... Front axle oscillates 15 degrees above and below horizontal. 20-in. (508 mm) total travel at tire center line.

**Tires:**  
 Front: 11.00-15, 12-ply-rating, F3  
 10.00-15, 12-ply-rating, truck trailer  
 11.00-15, 12-ply-rating, traction tread  
 14.00-17.5, 10-ply-rating, flotation truck  
 Rear: 23.5-25, 12-ply-rating, earthmover tubeless  
 23.5-25, 16-ply-rating, rock tubeless  
 23.5-25, 20-ply-rating, rock tubeless

**Wheel Treads:**  
 Front ..... 69.75 in. (1,77 m)  
 Rear ..... 72.2 in. (1,83 m)

**Dimensions:**  
 Height to top of hood ..... 5 ft. 4 in. (1,63 m)  
 Over-all height (top of muffler) ..... 9 ft. 2 in. (2,79 m)  
 Over-all width ..... 8 ft. (2,44 m)  
 Over-all length ..... 13 ft. 7 in. (4,14 m)  
 Wheelbase ..... 95.5 in. (2,43 m)  
 Ground clearance ..... 1 ft. 1.5 in. (343 mm)

<b>Capacities:</b>	<b>U.S.</b>	<b>Liters</b>
Cooling system .....	9 gal.	34,1
Fuel tank .....	69 gal.	261,2
Engine lubrication, including filter .....	5 gal.	18,9
Transmission-hydraulic system .....	16 gal.	60,6

**Operating Weight (approx.)** ..... 15,250 lb. (6918 kg)

**Travel Speeds and Rimpull (no tire slip):**

		GEAR							
		1	2	3	4	5	6	7	8
<b>ENGINE RPM</b>	1,100	21,800 lb. (9888 kg) 1.2 mph (1,9 km/h)	15,300 lb. (6940 kg) 1.7 mph (2,7 km/h)	9,800 lb. (4445 kg) 2.7 mph (4,3 km/h)	7,530 lb. (3416 kg) 3.5 mph (5,6 km/h)	5,780 lb. (2622 kg) 4.5 mph (7,2 km/h)	4,450 lb. (2019 kg) 5.9 mph (9,4 km/h)	3,440 lb. (1560 kg) 7.6 mph (12,2 km/h)	2,040 lb. (925 kg) 12.9 mph (20,7 km/h)
	1,500	21,200 lb. (9616 kg) 1.6 mph (2,6 km/h)	14,900 lb. (6759 kg) 2.3 mph (3,7 km/h)	9,550 lb. (4432 kg) 3.6 mph (5,8 km/h)	7,330 lb. (3325 kg) 4.7 mph (7,6 km/h)	5,630 lb. (2554 kg) 6.8 mph (10,9 km/h)	4,330 lb. (1964 kg) 8.8 mph (14,1 km/h)	3,340 lb. (1515 kg) 11.4 mph (18,3 km/h)	1,980 lb. (898 kg) 19,3 mph (31,1 km/h)
	1,900	20,200 lb. (9163 kg) 2.1 mph (3,3 km/h)	14,200 lb. (6441 kg) 2.9 mph (4,7 km/h)	9,090 lb. (4123 kg) 4.6 mph (7,4 km/h)	6,980 lb. (3166 kg) 6.0 mph (9,6 km/h)	5,350 lb. (2427 kg) 7.8 mph (12,5 km/h)	4,130 lb. (1873 kg) 10.1 mph (16,3 km/h)	3,180 lb. (1442 kg) 13.1 mph (21,1 km/h)	1,890 lb. (857 kg) 22.2 mph (35,7 km/h)
	2,200	19,170 lb. (8696 kg) 2.4 mph (3,9 km/h)	13,430 lb. (6092 kg) 3.4 mph (5,5 km/h)	8,620 lb. (3910 kg) 5.3 mph (8,5 km/h)	6,620 lb. (3003 kg) 6.9 mph (11,1 km/h)	5,080 lb. (2304 kg) 9.0 mph (14,5 km/h)	3,910 lb. (1774 kg) 11.7 mph (18,8 km/h)	3,020 lb. (1370 kg) 15.2 mph (24,5 km/h)	1,790 lb. (813 kg) 25.7 mph (41,4 km/h)

**Standard Equipment:**

- Speed meter
- Electric hour meter
- Front bumper w/pull hook
- Mounting step
- Hand throttle
- Foot throttle
- Fixed drawbar
- Vandal protection
- Vertical muffler w/rain cap
- Fuel gauge
- Fenders
- Lights (front, rear, and panel)
- Cigar lighter
- Horn
- Air-cleaner-restriction indicator
- Cast wheels
- Low brake pressure warning system
- Bucket seat
- Oil pressure gauge
- Water temperature gauge
- Trans. temp. gauge
- Alternator charge indicator light
- Anti-freeze

- Key-switch safety start
- Oil pressure indicator light
- Trans. oil filter indicator light
- Differential lock

**Special Equipment:**

- Pre-screener
- Oil heater element
- Rear counterweights
- Rear wheel weights (can't use w/ emergency brake)
- Emergency brake
- Windshield w/wiper
- Roll-over protective structure w/ canopy or cab (includes seat belt)
- Pressurizer for cab
- Rear PTO (independent "live," 1,000 rpm, horizontal or vertical)
- Remote cylinder control
- Scarifier
- Engine-coolant heater
- Oil pan guard