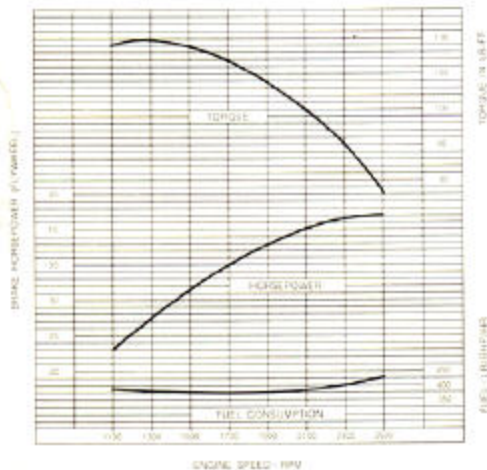




JD350-B CRAWLER



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 Inches of Mercury Barometric Pressure (500 Feet) and 85° Fahrenheit Air Temperature.

FEATURES

John Deere, three-cylinder, gasoline or Diesel engine

Four-speed transmission with hydraulic direction reverser

Power steering

5-roller track frames with rock guards

Hydraulic track adjustment

Vandal protection

May be equipped with:

Inside-mounted, all hydraulic bulldozer

Inside-mounted, manual tilt and angle bulldozer

Outside-mounted, manual tilt and angle bulldozer

33-in. track shoes. Extensions for all-hydraulic blade

Brush and Rock Rake

Winch

Backhoe

Rotoboom

Ripper

Sideboom

TED D. MILLER CO., INC.
GERING, NEB.



SPECIFICATIONS—JD350-B CRAWLER

(Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with IEMC and SAE Standards.)

Horsepower (at 2,500 engine rpm):	Gasoline and Diesel	
	SAE	DIN
Gross.....	46	48,1 PS
Net.....	42	43,9 PS
Drawbar.....	30	31,4 PS

Net engine flywheel horsepower is for an engine equipped with fan, air cleaner, water pump, lubricating oil pump, fuel pump, and alternator. The gross engine horsepower does not include these accessories. Gross and net flywheel horsepower ratings are maximum 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, 3-cylinder, valve-in-head, 4-stroke cycle.

	Gasoline	Diesel
Bore/stroke.....	3.86 x 3.86 in. (98 x 98 mm)	3.86 x 4.33 in. (98 x 110 mm)
Displacement.....	135 cu. in. (2212 cm ³)	152 cu. in. (2491 cm ³)
Comp. ratio.....	7.5 to 1	16.3 to 1
Operating range.....	1,300-2,500 rpm	
Max. torque @ 1,300 rpm.....	110 lb. ft. (15,1 kg-m)	

NACC or AMA (U.S. tax) horsepower.....	17.88
Main bearings.....	3
Lubrication.....	Pressure with full-flow filter.
Cooling.....	Pressurized; with thermostat.
Fan.....	Blower type.
Air cleaner.....	Dry type.
Electrical system.....	12-volt with alternator.
Starting.....	12-volt electric.

Hydraulic Direction Reverser:

Multiple disk oil clutches.

Engine clutch..... 11-in. (279 mm) single-disk.

Transmission..... Selective sliding gear, 4 forward—1 reverse.

Travel Speeds and Drawbar Pull (with adequate weight and traction).

Gear	Travel Speed		Drawbar Pull			
	(2,500 rpm)	(2,500 rpm)	(2,500 rpm)	(2,500 rpm)	(1,300 rpm)	(1,300 rpm)
	mph	km/h	lb.	kg	lb.	kg
1st	1.4	(2,3)	7,500	(3401)	9,000	(4802)
2nd	1.9	(3,1)	6,000	(2721)	7,200	(3285)
3rd	3.3	(5,3)	3,500	(1587)	4,200	(1906)
4th	6.5	(10,4)	1,500	(680)	1,800	(817)
Rev.	1.9	(3,1)				

Standard Equipment:

- Front/rear bottom guard
- Hydraulic track tension adjuster
- 14-in. (356 mm) grouser shoes
- 90 amp battery
- Lights—front and rear
- Push-button safety start with key
- Engine side shields
- Electric hour meter
- Deluxe cushion seat w/arm rests
- Outer sprocket shields
- Instrument panel cover
- Cigarette lighter
- Front hitch
- Air cleaner restriction indicator
- Pre-cleaner
- Triple hydraulic system

Special Equipment:

- Four-speed transmission w/o direction reverser
- Manual steering
- Trash resistant radiator
- Suction fan
- 12-in. (305 mm) grouser shoe
- 33-in. (838 mm) grouser shoe
- Two 90 amp batteries
- Tachometer
- Ether starting aid
- Engine coolant heater
- Spark arresting muffler
- PTO, 540 rpm
- Swinging drawbar
- Inner sprocket shields
- Canopy and seat belt
- Auxiliary hydraulic system with breakaway couplings
- Remote cylinder and lines
- Three-point hitch
- Radiator sand shield

- Winch drive
- Winch
- Winch fairlead and drawbar
- Winch drawbar
- Dozer depth gauge shoes
- Brush and rock rake
- Ripper
- Backhoe
- Blade extensions
- Dozer counterweight
- Rotaboom
- Sideboom
- Integral log arch
- Inside mounted bulldozer
- Outside mounted bulldozer
- All-hydraulic bulldozer

Steering, power, hydraulically actuated clutch-brake system.
Clutches..... 9 in. (229 mm); 8 disks per clutch.
Brakes..... Contracting band. Bonded lining.

Hydraulic System:

Triple-function system w/crankshaft-driven pump:
15 gpm (56.8 lpm) or 23 gpm (87,1 lpm)

Tracks:

5-roller track frame w/rock guards	
Grouser.....	12- or 14-in. (305 or 356 mm)
Open-center grouser.....	14-in. (356 mm)
Triple semi-grouser, open center.....	14-in. (356 mm)
Snow grouser.....	14-in. (356 mm)
Wide track grouser.....	33-in. (838 mm)
Track shoes, each side.....	36
Ground contact area:	
▲12-in. shoes.....	1,662 sq. in. (10,723 cm ²)
▲14-in. shoes.....	1,939 sq. in. (12,510 cm ²)
▲33-in. shoes.....	4,570 sq. in. (29,486 cm ²)
▲Ground pressure, 14-in. shoes, Diesel.....	4.4 psi (0,309 kg/cm ²)
33-in. shoes, Diesel.....	2.1 psi (0,147 kg/cm ²)
Length of track on ground.....	69.25 in. (1,759 mm)
Track gauge, standard.....	48 in. (1,218 mm)
33-in. shoes.....	68 in. (1,727 mm)
Track rollers.....	5
Carrier roller.....	1
Adjustment.....	Hydraulic

Capacities:

	U.S.	Liters
Cooling system.....	13 qt.	(12,3)
Fuel tank.....	22 gal.	(83,0)
Crankcase, including filter.....	9 qt.	(8,5)
Transmission.....	9 qt.	(8,5)
Final-drive (each).....	3 qt.	(2,8)
Direction reverser.....	12 qt.	(11,3)

Dimensions:

Height to top of hood.....	52 in. (1,320 mm)
Over-all height with exhaust stack.....	64 in. (2,134 mm)
Over-all width; 14-in. shoes.....	61.75 in. (1,568 mm)
33-in. shoes.....	101 in. (2,540 mm)
Over-all length.....	99.12 in. (2,518 mm)
Clearance at rear crossbar.....	13.25 in. (337 mm)

▲Operating Weight, approx.: Gasoline Diesel

Unit with 14-in. shoes.....	8,560 lb. (3883 kg)	8,630 lb. (3915 kg)
Unit with 33-in. shoes.....	9,860 lb. (4472 kg)	9,930 lb. (4505 kg)