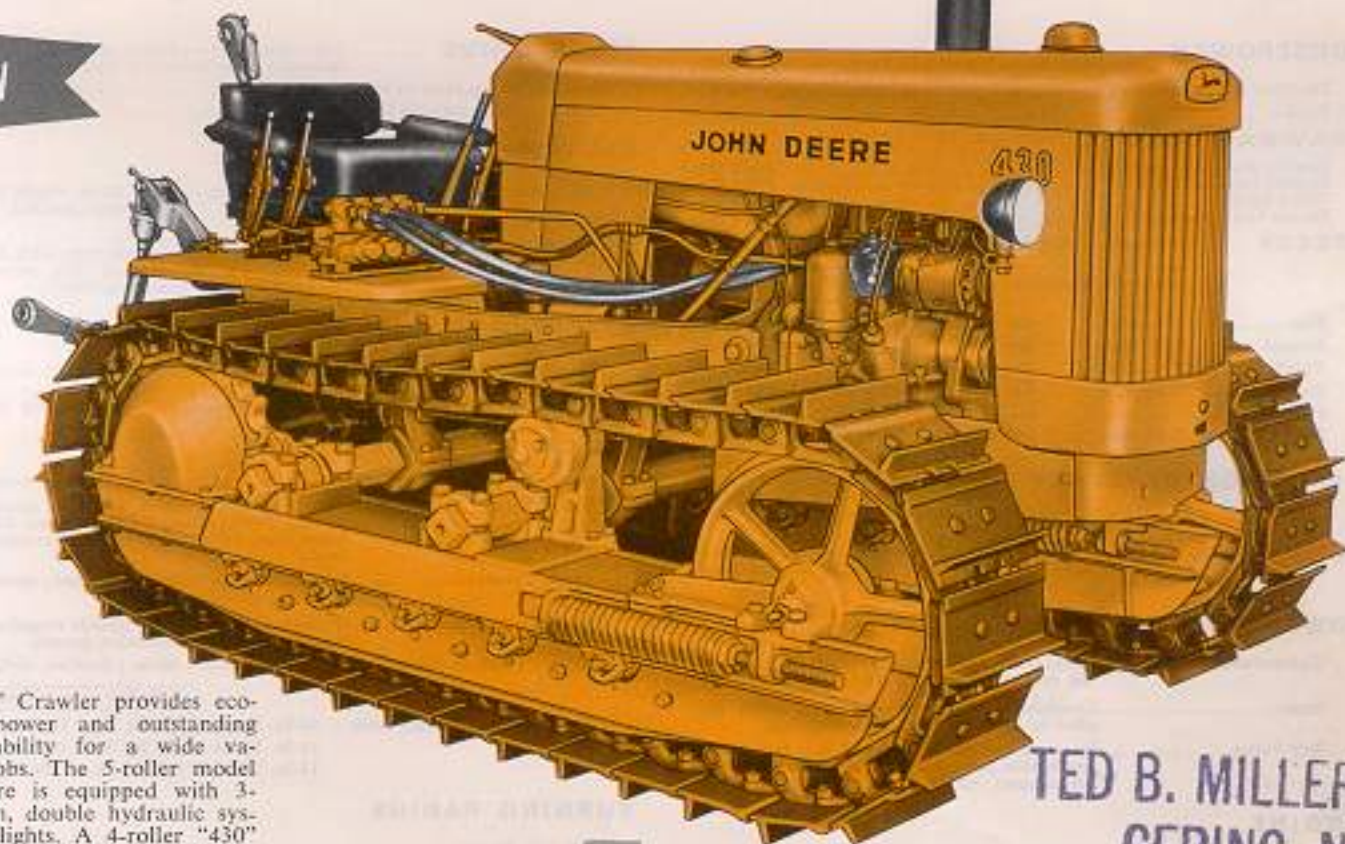


JOHN DEERE

430 CRAWLER



NEW

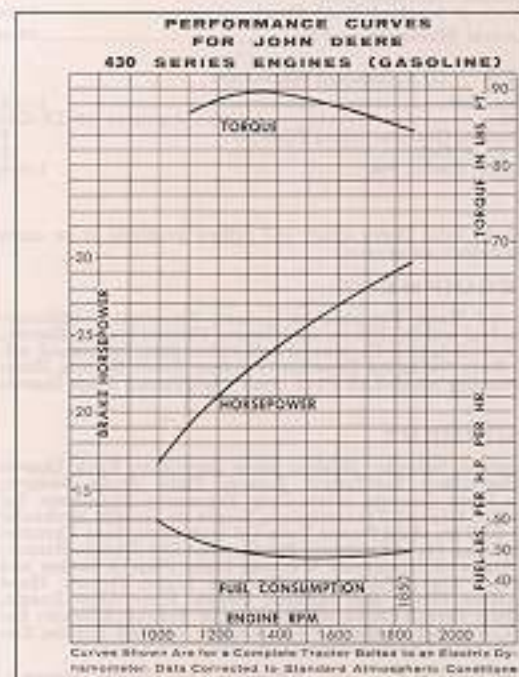


TED B. MILLER CO.
GERING, NEB.

The "430" Crawler provides economical power and outstanding maneuverability for a wide variety of jobs. The 5-roller model shown here is equipped with 3-point hitch, double hydraulic system, and lights. A 4-roller "430" with shorter tracks and track frames is also available.

ENGINE PERFORMANCE

The chart below graphically shows the excellent torque, horsepower, and fuel-consumption characteristics of the "430" engine.



FEATURES

- Dependable, Long-Lived 30 HP Engine
- Proper Weight Distribution
- Outstanding Traction and Flotation
- Excellent Maneuverability
- Superior Steering-Braking System
- Direction Reverser (Optional)
- Comfortable Seat and Platform
- Choice of Track Shoes

This modern crawler is the ideal low-cost power unit for the contractor, logger, builder, or anyone who needs dependable power for bulldozing, loading, digging, backhoeing, winching, hauling, lifting, trenching, and similar jobs. A powerful, precision-built engine and rugged power train give the "430" the amazing lugging power and stamina that enable it to do the work of larger tractors on many jobs. Because of its low silhouette, compactness and excellent maneuverability, the "430" will often be used where larger tractors cannot operate.

Handy controls and a good view of the work put the operator in complete command of every operation. Independent clutch-brake steering units make the crawler easy to handle with any type of equipment from fireline plow to side boom. For faster and easier operation, especially when bulldozing and loading, the crawler may be equipped with the John Deere direction reverser.

SPECIFICATIONS

(Subject to Change Without Notice)

430 CRAWLER

*HORSEPOWER

(Rated at Sea Level):

Drawbar Horsepower.....	24.12
Engine.....	29.72

*DRAWBAR PULL

First Gear.....	4862 lbs.
Second Gear.....	3964 lbs.
Third Gear.....	2924 lbs.
Fourth Gear.....	1424 lbs.

SPEEDS

Computed at Rated Governed Engine rpm:

	4-Speed Transmission		5-Speed Transmission	
First.....	1.14 mph	100 fpm	1.14 mph	100 fpm
Second.....	2.23 mph	194 fpm	2.23 mph	194 fpm
Third.....	2.98 mph	260 fpm	2.98 mph	260 fpm
Fourth.....	7.34 mph	646 fpm	5.87 mph	357 fpm
Fifth.....			7.34 mph	646 fpm
Reverse.....	1.65 mph	144 fpm	1.65 mph	144 fpm

DIRECTION REVERSER

Provides each speed listed above in forward or reverse travel without shifting transmission gears.

FOOT THROTTLE

Increase forward or reverse speed up to approximately 25% at any hand throttle setting.

POWER TAKE-OFF:

Transmission-Driven.....	Internal mechanism regular, stub shaft extra—560 rpm. Conforms to ASAE-SAE standards.
Front.....	Crankshaft pulley has 4 tapped holes and pilot to accommodate drive coupling.
Belt Pulley.....	Extra equipment. Diameter 9 in.; face 6 in.; revolutions per minute, 1270; belt speed (feet per minute), 3000.

ENGINE

Four Stroke Cycle, Valve-in-Head, Design	
Number of Cylinders.....	2
Bore and Stroke.....	4 1/4 x 4
Piston Displacement.....	113
Rated Governed Speed, rpm.....	1850
Piston Speed, Ft. per Min.....	1253
Maximum Torque, Lbs. Ft.....	90
Rpm at Maximum Torque.....	1300
N.A.C.C. or A.M.A. Horsepower Rated for Tax Purpose.....	14.45
Lubrication.....	Pressure system with by-pass-type filter
Crankshaft.....	Induction-hardened, counterbalanced
Main and Connecting Rod Bearings.....	Steel-backed, babbit lined, removable
Number of Main Bearings.....	2
Diameter, Main Bearings, In.....	2.398
Length, Main Bearings, In. (Total).....	4.523
Cooling.....	Pressurized with water pump, thermostat, and fixed by-pass
Governor.....	John Deere design—enclosed flyball type
Carburetor.....	Natural-draft type with load and idle adjustment
Ignition.....	Battery ignition with automatic spark advance
Air Cleaner.....	Oil-wash type

STARTING

6-volt electric starting motor

FUEL

Regular grade gasoline

FINAL DRIVE

.....Induction hardened spur-gear type. Gears mounted on anti-friction type bearings.
Gear reduction ratio in first gear..... 101 to 1
Gear reduction ratio in high gear..... 16 to 1

CLUTCH:

Engine—with 4- and 5-Speed Transmission..... 10-in. single disk foot-operated.

TRANSMISSION

.....Selective sliding gear type with four forward speeds and one reverse. (5 forward speeds optional.)

STEERING:

Clutches..... Multiple-disk steering clutches
Number of Friction Surfaces (Each Clutch)..... 14
Brakes..... Contracting band

TRACK AND TRACK FRAME

Track Frame.....	4- or 5-roller
Track Shoes.....	Choice of 10-in., 12-in., or 14-in. grouser; 12- or 14-in. snow; 10-in. rubber; 10-in. street type; 12-in. all-purpose semi-grouser steel.
Track Treads.....	Sprocket for 36-in. or 46-in. tread; sprocket for 38-in. or 46-in. tread.
Extra Equipment.....	Over-size idlers and rock guards (regular on 5-roller frame) and sprocket guards.
Length Track on Ground.....	4-roller, 56-in.; 5-roller, 66 3/4-in.
	4-Roller 5-Roller
Total Ground Contact Area.....	10-In. Shoes 1120 Sq. In. 1328 Sq. In.
	12-In. Shoes 1344 Sq. In. 1593 Sq. In.
	14-In. Shoes 1568 Sq. In. 1858 Sq. In.

TURNING RADIUS

4-Roller Frame.....	6 feet (approx.)
5-Roller Frame.....	6 1/2 feet (approx.)

CRAWLER DIMENSIONS Inches

Length, Over-All.....	102-in.
Width, Over-All.....	56-in. min. (to ends of regular square crossbars) 60-in. max. (to edges of 14-in. shoes in 46-in. tread)
Height, Top of Grille.....	51 3/4-in.
Height, Top of Muffler.....	66-1/8-in.
Height Drawbar Above Ground (Measured from Lower Face of Standard Track Shoe).....	12-15/16-in.
Ground Clearance (Measured from Lower Face of Standard Track Shoe).....	12-in.
Drawbar, Lateral Movement at Pin.....	18-in.

CAPACITIES (U.S. Standard Measures):

Cooling System, Gal.....	2-1/2
Fuel Tank, Gal.....	10-1/2 gas, or 20 LP-Gas
Engine Lubrication, Qts. (Including Filter).....	5
Transmission Case, Gal.....	2
Final Drive Cases (Each), Pts.....	1-3/4

COLOR

Industrial yellow, John Deere green and yellow available at no extra cost. All other colors, extra cost.

REGULAR EQUIPMENT

Oil Pressure and Water Temperature Gauges; Ammeter; Distributor-Type Ignition; Fuel and Oil Filters; Air Cleaner; Electric Starter; Battery, and Generator; Coil-Spring Cushioned Adjustable Seat; Cushioned Adjustable Back Rest; Swinging Drawbar; Fenders; Front Bottom Plate; Continuous-Running ASAE-SAE PTO (Stub Shaft Extra); Rock Guards (5-Roller).

EXTRA EQUIPMENT

Direction Reverser; Sprocket Shields; Snow Sprockets; Rock Guards (4-Roller); Heavy-Duty Full-Length Bottom Plate; Front Bumper; Grille Guard; Light Guards; Heavy-Duty Protective Equipment for Hood and Grille; 5-Speed Transmission; Single or Double Hydraulic System; ASAE-SAE Standard Power Take-Off Stub Shaft; Foot Throttle; 3-Point Hitch; Long Front Crossbar; Pre-Cleaner; Dry Charge Battery; Electric Lighting with Equipment Warning Light Plug-In Socket and Instrument Panel Light; Equipment Warning Light; Electric Hour Meter; Speed-Hour Meter; Key Ignition Switch; Heavy-Duty Starter; Cigarette Lighter; Turned-Down Muffler; Special Exhaust Silencer; Exhaust Muffler Cover; Belt Pulley; LP-Gas Engine; All-Fuel Engine; Deluxe Seat; Wide Seat; Seat Side-Arm Cushions.

SHIPPING WEIGHT

.....4-Roller—4,150 pounds (approx.)
.....5-Roller—4,700 pounds (approx.)

*Taken from Nebraska tests of 420 Crawler which has the same engine



Enjoy greater profits—investigate the wide selection of John Deere and allied equipment for varied industrial uses.