



JD350 LOADER

FEATURES

- 3/4-yard heavy-duty bucket with 8 nodular-iron teeth.
- 1-1/4-yard light-materials bucket.
- Walk-through operator's compartment with excellent view of bucket and work.
- Single-lever controls bucket cutting depth, rollback, lift, dump, shake out, and float position. Fast, no-lag hydraulic response. Self-leveling buckets with bucket-level indicators.
- 9,000 pounds breakout force.
- 40-degree bucket rollback at ground level. 50-degree dump angle.
- Hydraulic direction reverser.
- 5-roller track with choice of 12-inch triple-semi-grouser, open-center track shoes or 10-inch rubber shoes.
- Outstanding maneuverability, lift, and reach.

SPECIFICATIONS

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



Crawler... John Deere JD350 (gasoline or Diesel) with 42 flywheel h.p.

Bucket options:

- 3/4-cu. yd. SAE heaped digging bucket; 66-in. cutting width; 8 teeth.
- 1-1/4-cu. yd. SAE heaped light-materials bucket; 78-in. cutting width.

Drott 3/4-cu. yd. SAE heaped 4-in-1 bucket; 66-in cutting width.

Operating information:

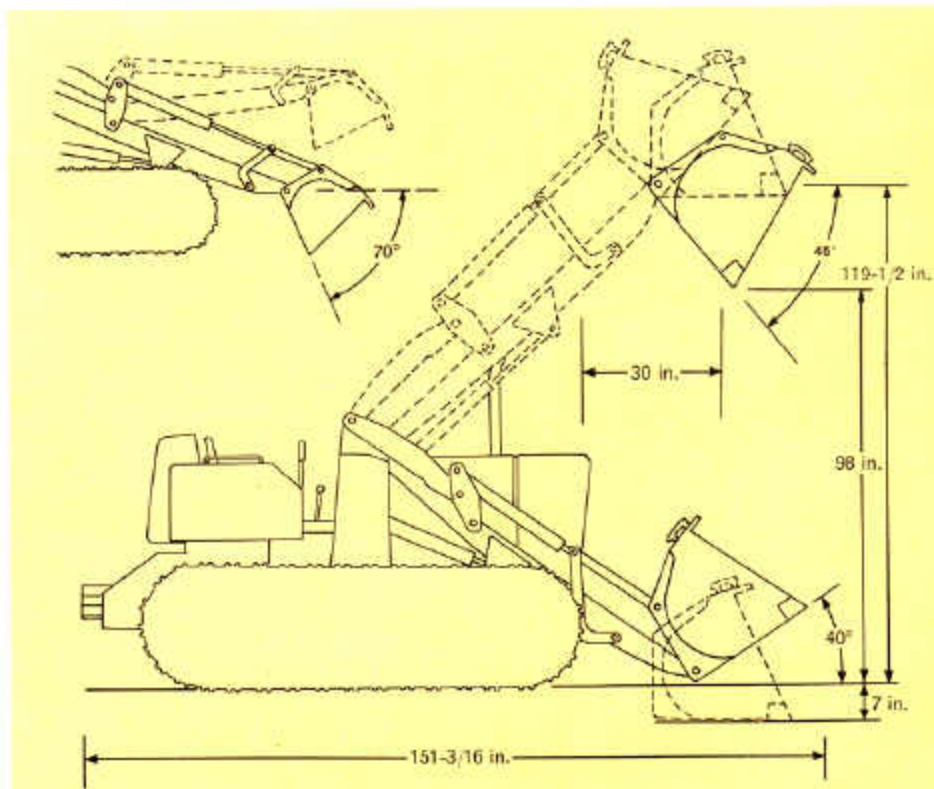
- Digging depth below ground level (with bucket level)..... 7 in.
- Breakout force..... 9,000 lb.
- Rollback at ground level..... 40 deg.
- Lifting capacity, full height..... 4,000 lb.
- Height to bucket hinge pin at max. lift... 119-1/2 in.
- Reach at full-height dump at 45 deg..... 30 in.
- Clearance, bucket dumped at 45 deg..... 98 in.
- Maximum dumping angle..... 50 deg.
- Raising time..... 6.0 sec.
- Dumping time..... 1.5 sec.
- Lowering time..... 4.0 sec.
- Turning clearance circle (carry height, bucket rolled back)..... 234 in.
- Total counterweight recommended for loader without rear-mounted equipment..... 800 lb.

Hydraulic system:

- Control... Single-lever loader control; 3-spool valve (2 for loader, 1 for ripper or log loader).
- Reservoir capacity... 5-3/4 U.S. gal. to "full" mark.
- System capacity..... 12-1/2 U.S. gal.
- Pump... Gear-type, 23 gpm at 2,500 rpm (2,000 psi).
- Oil lines... Seamless steel tubing; double-wire-braid hose.
- Filter..... Dual filtration, micron and wire mesh.
- Boom cylinders... 4-in. dia. bore, 23-19/32-in. stroke
- Bucket cylinders... 2-3/4-in. dia. bore, 30-3/4-in. stroke.
- Piston rods... Ground, heat-treated, chrome-plated, polished.
- For boom cylinders..... 2-in. dia.
- For bucket cylinders..... 1-1/2-in. dia.

Shipping weight (approx. with counterweights and digging bucket):

- JD350 Crawler Loader, gasoline..... 11,500 lb.
- JD350 Crawler Loader, Diesel..... 11,570 lb.



Special equipment:

- 2-piece steel bucket teeth (for 3/4-yd. heavy-duty bucket only).
- Counterweights recommended (for crawler loader without rear-mounted equipment)..... 4

Horsepower* (at 2,500 engine rpm):

	Gasoline	Diesel
▲ Gross engine flywheel.....	46	46
Net engine flywheel. Engine equipped with fan, air cleaner, water pump, lubricating oil pump, fuel pump, and alternator.....	42	42
Drawbar.....	30	30

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

Shift Lever Position	Travel Speed at 2,500 engine rpm	Drawbar lb. Pull at 2,500 engine rpm	Drawbar lb. Pull at maximum torque
1st	1.4	7,500	9,000
2nd	1.9	6,000	7,200
3rd	3.3	3,500	4,200
4th	6.5	1,500	1,800
Rev.	1.9		

*Maximum under SAE standard conditions of 500 ft. altitude and 85° F. temperature.

Direction Reverser. Provides each speed listed above in forward or reverse travel without shifting transmission gears. Hydraulically controlled. Oil clutches. Replaces engine clutch.

Engine: John Deere, variable speed, 3-cylinder, valve-in-head, 4-stroke cycle.

	Gasoline	Diesel
Bore and stroke.....	3-7/8 x 3-7/8 in.	3-7/8 x 4-5/16 in.
Piston displacement... ..	135 cu. in.	152 cu. in.
Compression ratio.....	7.5 to 1	16.3 to 1
Operating speed range.....	1,500-2,500 rpm	1,500-2,500 rpm
Maximum torque.....	110 lb. ft.	110 lb. ft.
Rpm at maximum torque.....	1,300	1,300
N.A.C.C. or A.M.A. horsepower rated for tax purpose.....	17.88	17.88
Lubrication... (Gas and Diesel engines) Pressure system with full-flow filter.		
Crankshaft... (Gas and Diesel engines) Induction-hardened, counterbalanced, statically and dynamically balanced.		
Main and connecting rod bearings.....	Steel-backed, aluminum-lined, removable.	
Main bearings:		
Number.....	3	4
Diameter.....	3-1/8 in.	3-1/8 in.
Length (total).....	3.560 in.	4.715 in.
Cooling (gas and Diesel engines) Pressurized; with water pump, thermostat, and fixed bypass. Suction or blower fan.		
Governor.....	Enclosed flyweight type	Flyweight integral with injection pump
Carburetor.....	Conventional updraft.	
Fuel injection pump.....		Opposed plunger, inlet metering, single cylinder, distributor type.
Air cleaner.....	Dry type.	Dry type.
Electrical system.....	12-volt with alternator.	12-volt with alternator.
Starting.....	12-volt electric starter.	12-volt electric starter.

Transmission. Selective sliding gear, with direction reverser, 4 forward speeds and 1 reverse.

Steering. Clutch-brake system.
Clutches. Multiple disk, 16 friction surfaces per clutch.
Brakes. Contracting band. Bonded lining.

Over-All Gear Reduction Ratio:

In first gear.....	112 to 1
In high gear.....	24 to 1

Hydraulic System. Crankshaft-driven pump—23 gpm

Power Takeoff. Transmission driven, rear, 540 rpm. (Special equipment.)

Track and Track Frame:

Track rollers, each side.....	5
Track carrier roller, each side.....	1
Track shoes (types and sizes) ... Triple semi-grouser, open center, 12-in. Rubber, 10-in.	
Track pin diameter.....	1-3/16 in.
Track-pin bushing diameter.....	1-3/4 in.
Number of track shoes, each side.....	36
Total ground contact area (sq. in.):	
10-in. shoes.....	1,350
12-in. shoes.....	1,628
Ground pressure, 12-in. shoes (lb. per sq. in.).....	7.1
Length of track on ground.....	69-1/4 in.
Track gauge.....	48 in.
Adjustment.....	Hydraulic

Dimensions:

Height to top of hood.....	52 in.
Over-all height with exhaust stack.....	76 in.
Over-all width (at bucket).....	66 in.
Over-all length.....	151-3/16 in.
Clearance at rear crossbar.....	13-1/4 in.

Weights (with 12-inch grousers):

	Gasoline	Diesel
Shipping.....	11,500 lb.	11,570 lb.

Capacities (U.S. Measure):

Cooling system.....	3-1/4 gal.
Fuel tank, gasoline and Diesel.....	22 gal.
Crankcase, including filter.....	9 qt.
Transmission.....	2-1/4 gal.
Final-drive cases (each).....	3 qt.
Direction reverser case.....	3 gal.

Base Equipment:

Front hitch
 Clutch-brake steering system
 Front bottom guard
 Rear bottom guard
 12-volt starter and electrical system
 Alternator
 Key ignition switch with safety start
 Suction fan
 90 amp dry-charge battery
 Direction reverser
 Outer sprocket shields
 Air cleaner (dry-type)
 Slip-fit exhaust stack

Fuel filters
 Oil-pressure gauge
 Alternator-charge gauge
 Water-temperature gauge
 Electric hour meter
 Antifreeze
 Deluxe posture seat with arm-rests
 Tool tray
 Transistorized voltage regulator
 Hydraulic track-tension adjuster
 Lights: front, rear, and panel
 Heavy-duty track-roller guards
 Engine side shields
 Air cleaner restriction indicator

Special Equipment:

Power takeoff assembly and tachometer
 Swinging drawbar
 Calks for triple semi-grouser shoes
 180 Amp. hr. battery installation—two 90 Amp. batteries
 Notched snow sprockets
 High-altitude gasoline engine
 Track shoe types and sizes as listed above
 Sprocket shields (inner)
 Power steering
 Spark arrestor muffler
 Engine coolant heater

Instrument panel cover
 Tachometer
 Winch drive
 Cigarette lighter
 Pre-cleaner
 Belt pulley
 Ether starting aid (Diesel)
 Blower fan
 Grille screen
 Radiator sand screen for blower fan
 Long muffler stack extension
 Canopy and seat belt.