FEATURES

Two models for versatility.

43-flywheel horsepower, Diesel or gasoline.
8 forward, 4 reverse speeds.

Mechanical shuttle is regular equipment.

Hydraulic power-shift direction reverser for no-clutch reversing is special equipment.

Power steering regular equipment.

Choice of 1/2-yd. digging bucket, 5/8-yd. light materials bucket on the 7300 model.

Choice of 5/8-yd. digging bucket, 3/4-yd. utility tread-width bucket, or 1-yd. light materials bucket on the 7320 model.

Excellent visibility and operating ease.

May be used in conjunction with John Deere backhoes, mowers, and landscaping equipment.

Swing-around seat available for use with 92 or 9250 Backhoe.

SPECIFICATIONS

(Bucket capacity (heaped) and width:

<table>
<thead>
<tr>
<th>Bucket Capacity</th>
<th>7300 Loader</th>
<th>7320 Loader</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2-cu. yd.</td>
<td>65-1/2 in.</td>
<td>5/8-cu. yd. 85-1/5 in.</td>
</tr>
<tr>
<td>5/8-cu. yd.</td>
<td>65-1/2 in.</td>
<td>3/4-cu. yd. 81-1/10 in.</td>
</tr>
<tr>
<td>7/8-cu. yd.</td>
<td>5/8-cu. yd. 81-1/10 in.</td>
<td></td>
</tr>
</tbody>
</table>

Operating information

- Breakout force: 3,000 lb. for 7300 Loader, 4,000 lb. for 7320 Loader
- Rollback at ground level: 20 deg. for both loaders
- Dig depth below ground level: 4 in. for both loaders
- Lifting capacity, full height: 2,000 lb. for 7300 Loader, 2,500 lb. for 7320 Loader
- Height to bucket hinge pin, maximum height: 9 ft. 2-5/16 in. for 7300 Loader, 10 ft. 1/4 in. for 7320 Loader
- Clearance, bucket dump at 45°: 1 ft. 9-1/2 in. for both loaders
- Reach at maximum height, bucket dump at 45°: 2 ft. 1 in. for 7300 Loader, 2 ft. 3-1/2 in. for 7320 Loader
- Maximum dump angle: 45° for both loaders
- Raising time to full height: 3.6 sec. for 7300 Loader, 3.7 sec. for 7320 Loader
- Bucket dump time: 1.7 sec. for 7300 Loader, 1.5 sec. for 7320 Loader
- Lowering time (power): 3.2 sec. for 7300 Loader, 2.9 sec. for 7320 Loader
- Rollback time: 2.5 sec. for 7300 Loader, 2.6 sec. for 7320 Loader
- Float-down time: 3.0 sec. for both loaders

Hydraulic system:

- System pressure: 2,250 psi for both loaders
- Loader control: Two-lever, solid valve for 7300 Loader, Single-lever, solid valve for 7320 Loader
- Pump: Piston-type, constant pressure, variable displacement, 1300-24 gpm, 1320-28 gpm at 2,500 engine rpm
- Filter: 25-micron paper cartridge in return line
- Loader hydraulic system capacity: 2 U.S. gal. for both loaders
- Transmission reservoir capacity: 10 U.S. gal. for both loaders
- Boom hydraulic cylinders: Bore diameter: 2-1/4 in. for 7300 Loader, 2-1/2 in. for 7320 Loader
  Rod diameter: 1-1/2 in. for both loaders
  Stroke: 24-5/8 in. for both loaders
- Bucket hydraulic cylinders: Bore diameter: 2-1/12 in. for 7300 Loader, 2-1/2 in. for 7320 Loader
  Rod diameter: 1-1/2 in. for both loaders
  Stroke: 27-1/4 in. for both loaders

Minimum recommended rear ballast: 2,000 lb. for both loaders
Maximum recommended rear ballast: 3,500 lb. for both loaders

(7300 Loader illustrated)

Specifications and measurements shown on chart are given for a 7300 Loader with 1/2-yard standard bucket on JD300 Tractor equipped with 14.9-28, R-4, 6-ply rear tires and 7.50-16, I-1, 6-ply front tires.

Specifications and measurements are also shown on chart for a 7320 Loader with 5/8-yard standard bucket on JD300 Tractor with 14.9-24, R-4, 6-ply rear tires and 7.50-16, I-1, 6-ply front tires.)
**JD300 LOADER SPECIFICATIONS**

**Horsepower (at 2,500 engine rpm):**
- **Net engine flywheel (at 500 ft. altitude and 85° F. temp.).** Engine equipped with fan, air cleaner, water pump, lubricating oil pump, fuel pump, and alternator...
  - 43
- **Gross engine flywheel**
  - 46

**Travel speeds (mph) (with 14.9-24 rear tires and no slip):**
- **Shift Lever Position**
  - **Forward 1** 1.3
  - 2 1.0
  - 3 3.0
  - 4 4.0
  - 5 5.3
  - 6 7.6
  - 7 11.2
  - 8 13.6
  - **Rev.**
    - 1 1.6
    - 2 2.2
    - 3 3.3
    - 4 4.6

**Engine:** Variable speed, 3-cylinder, valve-in-head, 4-stroke cycle.
- **Bore and stroke**
  - 3-7/8x3-1/8 in.
- **Piston displacement**
  - 3-7/8x4-1/16 in.
- **Compression ratio**
  - 7.5 to 1
- **Operating speed range**
  - 1,500-2,500 rpm
  - 1,500-2,500 hp rpm
- **Maximum torque**
  - 110 ft.-lb.
- **N.A.C.C. or A.M.A. horsepower rated for tax purpose**
  - 17.88
- **Lubrication.** (Gas and Diesel engines) Pressure system with full flow filter.
- **Rpm at maximum torque**
  - 1,500
- **Crankshaft.** Induction-hardened, counterbalanced.

**Main and connecting rod bearings**
- Steel-backed, aluminum lined, removable.

**Main bearings:**
- **Number**
  - 3
- **Diameter**
  - 3-1/8 in.
- **Length (total)**
  - 3,860 in.
- **Cooling (gas and Diesel engines)**
  - Pressurized with water pump, thermostat and fixed bypass.
- **Governor**
  - Enclosed flyweight type
- **Carburetor**
  - Conventional updraft
- **Fuel injection pump**
  - Opposed plunger, inlet metering, single cylinder, distributor type
- **Air cleaner**
  - Dry type
- **Electrical system**
  - 12-volt with alternator
- **Starting**
  - 12-volt electric starter

**Transmission: Constant mesh, 8 forward speeds, 4 reverse (reverse speeds are 16 percent faster than corresponding forward speeds), with helical gears and sliding collars; mechanical shuttle.**

**Optional Direction Reverser**
- Hydraulic wet clutches, no clutching required. Provides a reverse speed for gear selections 1 through 4.

**Final Drive**
- Planetary type

**Over-all Gear Reduction Ratio:**
- In first gear 248 to 1
- In high gear 21 to 1

**Engine Clutch**
- Foot-operated automatic type with 10-inch plate. (Oil clutches when equipped with direction reverser.)

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

**Steering**
- Power
- **Turning radius (brakes applied)**
  - 7300
  - 7320
- **Turning clearance circle**
  - Approx. 121 in.
  - 30 ft. 10 in. dia. 29 ft. 6 in.

**Power Takeoff (Special Equipment):**
- Rear: Continuous "Live," 540 rpm; or dual speed 540-1,000 rpm.

**Tires and Wheels (Sizes and plies):**
- **Front:** 6.00-16, 6-ply, multiple rib (7300 only)
  - 7.50-16, 6-ply, multiple rib
- **Rear:** 14.9-24, 8-ply, grader-type
  - 18.9-24, 8-ply grader-type and R-3 flotation

**Wheel Treads:**
- **Front**
  - 56 in.
- **Rear**
  - 60 in.

**Dimensions (with 14.9-24 rear tires, 7.50-16 front tires):**
- 7300
- 7320
- **Height to top of hood**
  - 52-1/4 in.
- **Over-all height (top of muffler)**
  - 71-1/2 in.
- **Over-all length**
  - 14 ft. 4 in.
- **Over-all width**
  - 14 ft. 5 in.
- **Ground clearance (under front axle)**
  - 18-1/4 in.
- **Ground clearance, min.**
  - 12 in.

**Weight (approximate):**
- **(Gasoline)** 5,315 lb.
- **(Diesel)** 5,520 lb.

**Dimensions (with 14.9-24 rear tires, 7.50-16 front tires):**
- **7300**
- **7320**
- **Height to top of hood**
  - 52-1/4 in.
- **Over-all height (top of muffler)**
  - 71-1/2 in.
- **Over-all width**
  - 75 in.
- **Over-all length**
  - 14 ft. 4 in.
- **Ground clearance (under front axle)**
  - 18-1/4 in.
- **Ground clearance, min.**
  - 12 in.

**Weight (approximate):**
- **(Gasoline)** 5,315 lb.
- **(Diesel)** 5,520 lb.

** Capacities (U.S. Measure):**
- **Cooling system**
  - 2-3/4 gal.
- **Fuel tank, gasoline and Diesel**
  - 10 gal.
- **Engine lubrication, including filter**
  - 7 qt.
- **Transmission hydraulic system**
  - 10 gal.

**Base Equipment:**
- **Oil pressure indicator light**
- **Alternator charge indicator light**
- **Water temperature gauge**
- **Key-ignition switch with safety start**
- **12-volt starter and electrical system**
- **Alternator**
  - Two 70 amp. dry-charge batteries
- **Electric lights (fender-mounted front and combination rear flood, tail light and flasher warning light)**
- **Exhaust muffler cover**
- **Cigarette lighter**
- **Rear-wheel weights**
- **Remote hydraulic cylinder**
- **Rear-wheel weights**
- **Cigarette lighter**
- **Tool box**
- **Cushioned seat**
- **Power steering**
- **Ether starting aid**
- **Deluxe cushioned seat with shock absorber suspension**
- **Automatic-type horn**
- **Enclosure for roll frame**
- **Deluxe cushioned seat with shock absorber suspension**
- **Power steering**
- **Ether starting aid**
- **Deluxe cushioned seat with shock absorber suspension**
- **Automatic-type horn**
- **Enclosure for roll frame**
- **Power steering**
- **Ether starting aid**
- **Deluxe cushioned seat with shock absorber suspension**
- **Automatic-type horn**
- **Enclosure for roll frame**