 FEATURES

12-ft. (3.66 m) blade; 2-ft. (610 mm) extensions available

85 net engine flywheel horsepower (90.4 PS)

Power-Shift transmission; 8 speeds forward, 4 reverse

Frame steering

Differential lock

18-ft. (5.49 m) turning radius

All-hydraulic control of blade and machine functions

Exclusive closed-center hydraulic system w/built-in, positive hydraulic locks provides instant response w/o blade drift or creep

Hydraulically-controlled, 5-position saddle lets you position blade for 90-degree bank cuts, left or right, in approximately one minute, from your seat

Oscillating front axle and rear tandem

Hydraulic front-wheel lean

Weight distribution—30 percent front, 70 percent rear

May be equipped with:

Cab (includes roll-over protective structure)

Scarifier

Dimensions: (approx.)

- 10 ft. 6 in. (3.20 m)
- 6 ft. 3.5 in. (1.91 m)
- 24 ft. 4.5 in. (7.43 m)
- 26 ft. 8.5 in. (8.14 m)
**SPECIFICATIONS—JD570-A MOTOR GRADER**

(Gross and net flywheel horsepower are 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 70 000 standard conditions of 780 mm Hg barometer (sea level) and 20°C. temperature. Compression ratio: 16.7 to 1.

- **Horsepower (SAE DIN)**:
  - @ 2,300 engine rpm:
    - Gross: 92 / 90.4 PS
    - Net: 85

- **Engine**: John Deere Diesel, vertical, 6-cylinder, 4-stroke cycle
  - Bore and stroke: 4.02 x 4.33 in. (102 x 110 mm)
  - Compression ratio: 16.7:1
  - Governed speed range: 800-2,470 rpm
  - Full throttle: 2,300 rpm

- **Cooling**: Pressurized with thermostat and fixed bypass

- **Transmission**: Power-Shift, 8 forward and 4 reverse selections

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

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

- **Brakes**: Service...Foot-operated, hydraulically-actuated, wet-disk type, effective on 4 tandem wheels

- **Steering**: Full hydraulic power system

- **Rotation**: 360 deg.

- **Hydraulic System**: Closed-center
  - System pressure: 2,000 psi (140.6 kg/cm²)
  - Pump variable-displacement, 27 gpm (102 lpm) @ 2,300 engine rpm
  - Circle: 5.25 x 1 x 4.62 x 1 in. (133 x 25 x 117 x 25 mm) welded angle, 4 ft. 6 in. (1.37 m) dia.
  - Drive: Hydraulic motor and worm gear

- **Blade**: Tapered box, max. 3 x 7.375 in. (76 x 180 mm) wall, w/ universal-type swivel
  - Length: 12 ft. (3.66 m)
  - Height: 2 ft. (0.61 m)
  - Thickness: 0.62 in. (15.8 mm)

- **Blade Range**: Lift above ground:
  - Forward 1: 1 ft. 25 in. (311 mm)
  - Forward 2: 2 ft. 27 in. (679 mm)
  - Reverse 1: 2 ft. (0.61 m)
  - Reverse 2: 3 ft. 5 in. (889 mm)

- **Blade Lifting Mechanism**: Control: Dual-lever, hydraulic
  - Cylinders: Two, 3-in. (76 mm) dia. bore; 42-in. (1.07 m) stroke

- **Saddle**: Rotation: 45 deg. right or left, 5 positions
  - Control: Single foot-operated release hydraulically controls tapered locking pins

- **Frame**: Tapered box
  - Section size, max.:
    - Forward: 8 ft. (2.44 m)
    - Reverse: 6.6 ft. (2.01 m)
  - Weight per ft. (m):
    - Forward: 99 lb. (44.9 kg)
    - Reverse: 91 lb. (41.3 kg)

- **Tandems**: Welded steel box-section 1 ft. 7.9 in. (552 mm) x 6.5 in. (165 mm)
  - Drive: 1.75-in. (44 mm) pitch roller chain
  - Axle: at bearings: 3.25 in. (83 mm)

- **Front Axle**: Fabricated steel A-frame w/cast alloy-steel spindles, tapered roller bearings
  - Diameter at bearings: 2.62 in. (67 mm)

- **Tires**: 21.5-25 81.125 in. 83.75 in. 7 in. 10.75 in. 7 in. 10.25 in. 1 in. 11.5 in.

- **Dimensions**:
  - Height to top of steering wheel: 7 ft. 5 in. (22.6 m)

- **Capacities**:
  - U.S. Liters:
    - Fuel tank: 50 gal. (189.3 l)
    - Engine lubrication, including filter: 3 gal. (11.4 l)
    - Transmission/hydraulic system: 21 gal. (79.5 l)

- **Scarfier** (special equipment): V-type for 4 ft. 2-in. (1.27 m) cut w/3 manual pitch positions

- **Standard Equipment**:
  - 56-amp. alternator
  - Transistorized voltage regulator
  - Two 172-amp. batteries
  - Lights (front and rear)
  - Electric hour meter
  - Cigar lighter
  - Horn
  - Air-cleaner-restriction indicator
  - Deluxe seat
  - Gauges:
    - Water temperature
    - Transmission temperature
    - Engine-oil pressure
  - Air-inlet cap

- **Special Equipment**:
  - Scarifier
  - Turn signals
  - SMV emblem and bracket
  - Warning light

- **Transmission Bottom guard**