**ENGINE PERFORMANCE**

<table>
<thead>
<tr>
<th>HORSEPOWER</th>
<th>TORQUE</th>
<th>FUEL CONSUMPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1100</td>
<td>1300</td>
<td>1500</td>
</tr>
<tr>
<td>1700</td>
<td>2100</td>
<td>2300</td>
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</tbody>
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**FEATURES**
- 85 SAE net hp (86.2 PS)
- 12-ft. (3.66 m) blade; 2-ft. (610 mm) extensions available
- Power Shift transmission; 8 speeds forward, 4 reverse
- Articulated frame steering
- Differential lock-unlock
- 18-ft. (5.49 m) turning radius
- All-hydraulic control of blade and machine functions
- Closed-center hydraulic system with built-in, positive hydraulic locks provides instant response without 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, without leaving your seat
- Oscillating front axle and rear tandem
- Hydraulic front-wheel lean
- Roll-over protective structure (ROPS) w/cab
- Weight distribution—30 percent front, 70 percent rear

**ADD VERSATILITY WITH:**
- Scarifier
- Snow plow and wings
- Bulldozer
- Automatic blade control
JD570-A MOTOR GRADER SPECIFICATIONS

(Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with ISO and SAE Standards. Except where otherwise noted, these specifications are based on a unit equipped with 13.00-24, 8-ply-rating, tubeless tires and standard equipment.)

**Power (@ 2300 engine rpm):**

- **SAE**
- **Rated:** 70 hp (52.2 kW)
- **Net:** 65 hp (48.4 kW)

Net engine flywheel power is for an engine equipped with fan, air cleaner, water pump, lubricating oil pump, fuel pump, alternator and muffler. The gross engine power is without fan. Flywheel power ratings are under SAE standard conditions of 600-ft. altitude and 85° F. temperature, and DIN 70 500 conditions (non-corrected). No derating is required up to 10,000 feet (3000 m) altitude.

- **Valve-in-head, 4-stroke cycle**
- **Piston displacement:** 329 cu. in. (5392 cm³)

**Gross Power:**

- **SAE (92 hp (68.6 kW)*)**
- **Standard conditions:** 01 500-ft. altitude and 85° F. temperature, and DIN 70 500 conditions (non-corrected). No derating is required up to 10,000 feet (3000 m) altitude.

*In the international system of units (SI), power is expressed in kilowatts (kW).*

**Engine:** John Deere turbocharged diesel, vertical 6-cylinder, valve-in-head, 4-stroke cycle

- **Bore and stroke:** 4.02x4.33 in. (102x110 mm)
- **Cylinders:** 2 in. (76 mm) dia. bore; 0.75 in. (19.1 mm) wall, w/universal swivel

**Air cleaner with restriction indicator:** Dry

**Lubrication:** Pressure system w/full-flow filter

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

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

**Final Drives:** Inboard planetary

**Brakes:**

- Service: Foot-operated, hydraulically actuated, wet-disk, effective on 4 tandem wheels
- Parking: Hand-operated, mechanical, expanding dry shoe, effective on 4 tandem wheels

**Steering:**

- Front: Full hydraulic power system
- Rear: Hydraulically articulated frame steering (22 deg. left or right)
- Turning radius: 18 ft. (5.49 m)
- Range: 61 deg. left or right

**Hydraulic System:** Closed-center

- Pressure: 2000 psi (13.7 bar) (140.6 kg/cm²)
- Pump: Variable displacement, 27 gpm (102 L/min) @ 2300 engine rpm

**Circle:** 5.50x14x4.62x1 in. (140x25x117x25 mm) welded angle, 4 ft. 6 in. (1.37 m) dia.

**Drawbar:**

- Size: 3x7x0.375 in. (76x178x9.5 mm) wall, w/universal swivel
- Shank size: 1x3 in. (25x76 mm)
- Tapered locking pins
- Box, max. 3x7x0.375 in. (76x178x9.5 mm) wall, w/universal swivel

**Blade:**

- **Standard:**
- **Optional:**
- **Length:** 12 ft. (3.66 m)
- **Height:** 22 in. (559 mm)
- **Thickness:** 0.62 in. (15.8 mm)

**Blade Lifting Mechanism:**

- Control: Dual-lever, hydraulic cylinders (2)
- Lift above ground: 3 in. (76 mm) dia. bore, 42 in. (1.07 m) stroke

**Blade Range:**

- **Right:** 1 ft. in (330 mm)
- **Left:** 1 ft. in (330 mm)

**Shoulder reach outside wheels:**

- **Right:** 5 ft. 11.5 in. (1.82 m)
- **Left:** 6 ft. 5.25 in. (1.96 m)

**Pitch:** 32 deg. total

**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.:** 16.5x8 in. (419x203 mm)
- **Weight per ft. max.:** 99 lb. (147.3 kg/m)
- **DIN:** 12.5x6 in. (318x203 mm)

**Tandems:**

- Welded steel box section 1 ft. 9.75 in. (552 mm)x6.5 in. (165 mm)
- Diameter: 1.75 in. (44 mm) pitch roller chain
- Axle dia. at bearings: 3.25 in. (83 mm)
- 2.62 in. (67 mm)

**Front Axle:**

- Fabricated steel A-frame with cast alloy-steel spindles, tapered roller bearings
- Diameter at bearing seats: 2.62 in. (67 mm)
- Wheel lean (either direction): 20 deg.

**Rear Drive Axle:**

- Full floating with tapered roller bearings
- Diameter at bearings: 5.28 in. (133 mm)

**Tires:**

- 13.00-24, 8-ply-rating; 15.5-25, 8-ply-rating; 13.00-24, 10-ply-rating

**Dimensions:**

- **Tire Size:** 13.00-24
- **Wheel Tread:** 78.75 in.
- **Width:** 81.75 in.
- **Ground Clearance:** 7 in.

- **Transmission and hydraulic system:** 21 gal. 79.5

**Capacities:**

- **Fuel tank:** 50 gal.
- **Cooling system:** 5.6 gal.
- **Engine lubrication, including filter:** 3 gal.
- **Transmission and hydraulic system:** 21 gal.
- **Transmission bottom guard:** 5 gal.
- **Worm gearbox:** 1.5 gal.

**Scalifer (Special Equipment):**

- V-type for 46 in. (1.17 m) cut with 3 manual pitch positions
- Number of teeth: 5 standard, 9 optional
- Lift above ground: 1 ft. 10.5 in. (577 mm)
- Penetration: 8.75 in. (222 mm)
- Maximum pressure—down: 7000 lb. (31.37 kN) (3175 kg)

**Bulldozer (Special Equipment):**

- Mounts on scarifier linkage.
- Length: 93 in. (2.36 m)
- Height: 33.5 in. (857 mm)
- Lift above ground: 27 in. (686 mm)
- Penetration: 4 in. (102 mm)

**Additional Standard Equipment:**

- Transistorized voltage regulator
- Gauges:
  - Water temperature
  - Transmission temperature
  - Engine oil pressure
  - Fuel quantity
  - Ether starting aid
  - Precleaner
  - ROPS cab and seat belt
  - Work lights
  - Cab heater

- **Rear windshield wiper**
JD570-A MOTOR GRADER DIMENSIONS

SAE Operating Weight

<table>
<thead>
<tr>
<th></th>
<th>On Front Wheels</th>
<th>On Rear Wheels</th>
<th>Total</th>
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<tbody>
<tr>
<td>Standard equipment</td>
<td>5705 lb.</td>
<td>14,326 lb.</td>
<td>20,031 lb.</td>
</tr>
<tr>
<td>Standard equipment and scarifier</td>
<td>6755 lb.</td>
<td>14,148 lb.</td>
<td>20,293 lb.</td>
</tr>
<tr>
<td>Standard equipment and wheel weights</td>
<td>5705 lb.</td>
<td>14,920 lb.</td>
<td>20,625 lb.</td>
</tr>
<tr>
<td>Standard equipment, scarifier, and wheel weights</td>
<td>6755 lb.</td>
<td>14,748 lb.</td>
<td>21,503 lb.</td>
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</tbody>
</table>

Special Equipment:
- Scarifier
- Cab defroster fan
- Floor mat
- ROPS canopy and seat belt
- 2-ft. (610 mm) moldboard extensions, right or left
- Disconnect clutch

- 12-ft. (3.66m) heavy-duty blade
- Engine side-shields
- Overlay end bits
- Bulldozer
- Wheel weights for 24-in. (610 mm) tires
- Heavy-duty cutting edges
- Automatic blade control