FEATURES

Standard 12-foot blade. Two-foot extensions available.
83-net-flywheel-horsepower John Deere Diesel engine.
Power shift transmission with 8 forward speeds, 4 reverse. No clutching required. Top speed is 21 mph.
Frame steering with exclusive lock-unlock differential. Eighteen-foot turning radius.
All-hydraulic control of blade and machine functions. Exclusive closed-center system with built-in, positive hydraulic locks gives instant response with no blade drift or creep.

Hydraulically controlled, 5-position saddle allows positioning blade for 90-degree bank cuts, left or right, in approximately one minute without leaving the seat.
Oscillating front axle and rear tandem with hydraulic front wheel lean and low center-of-gravity provide slope-hugging stability.
Excellent weight distribution. 30 percent forward, 70 percent rear for maximum traction.
Cab and scarifier are available as special equipment.

Dimensions with 13.00-24 Tires
JD570 MOTOR GRADER SPECIFICATIONS

(Unit equipped with 13.00-24 8-ply-rating tubeless tires)

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

Horsepower* (at 2,300 engine rpm):
Gross engine flywheel.......................... 88
Net engine flywheel. Engine equipped with fan, air cleaner, water
pump, lubricating oil pump, fuel pump, and alternator ....... 83
*Maximum under SAE standard conditions of 500 ft. altitude and
85° F. temperature.

Travel Speeds (at 2,300 engine rpm):
Forward (mph)................. 2.03 2.88 4.48 5.82 7.42 9.67 12.8 21.4
Reverse (mph).................. 2.36 3.36 5.24 6.77

Engine: John Deere vertical, 6-cylinder, valve-in-head 4-stroke
cycle, Diesel.
NACC horsepower for tax purposes:.................. 35.7
Working speed range: 1,100 to 2,300 rpm
Maximum torque:................. 212 lb. ft.
Rpm at maximum torque:............ 1,300 rpm
Bore and stroke:................. 3.88 in. x 4.33 in.
Piston displacement:............. 303.6 cu. in.

Transmission: Power shift transmission, lock-unlock differential
Steering:
Type: Front: full hydraulic power steering. Rear: Hydraulic arti-
culated frame steering (22 deg. right and 22 deg. left).
Turning radius: ................. 18 ft.

Brakes:
Service: Foot-operated, hydraulic-actuated, wet-disc type, effec-
tive on 4 tandem wheels
Parking: Hand-operated, mechanical, expanding dry shoe type,
effective on 4 tandem wheels

Controls
Cylinder: Full hydraulic
Circle: 5.25-in. x 1-in. x 4.62-in. x .75-in. welded angle, 54 in. dia.
Hydraulic motor and worm gear with 360 deg. rotation.

Drawbar: Tapered box, max. 3-in. x 7-in. x .375-in. wall, with
universal-type swivel.

Blade Range:
Height: 12.25 in.
Length: Right-28.25 in.
Blade side shift, hydraulic Left-31.25 in.
manual (right and left) Right-71.5 in.
Shoulder reach outside wheels, hydraulic Left-77.25 in.
Shoulder reach outside wheels, manual Right-68.25 in.

Pitch: Manual: 5-position, 32-deg. total
Hydraulic: 32-deg. total

Blade Lifting Mechanism: Hydraulic lift with 2 cylinders of 3 in.
bore x 42 in. stroke. Saddle rotation: 5-position; secured by hy-
draulically controlled tapered locking pins. 45-deg. total rotation
left and 45-deg. right.

Frame: Tapered box with section size maximum 16.5 in. x 8 in.,
minimum 12.5 in. x 8 in.
Weight per foot is average 91 lb./ft.; maximum 99 lb./ft.

Tandems: Welded box section of 21.75 in. x 6.5 in. steel. Driven
by 1.75-inch pitch roller chain. Tandem axle diameters at bearings
are 3.25 in. and 2.62 in.

Axle, Front: Fabricated steel A-frame with cast alloy steel
spindles with diameters at bearing seats of 2.62 and 2.06 in.
Tapered roller bearings. 30-degree total axle oscillation with
front wheel lean of 20 deg. left and right.
Steering range: 51 deg. left and right

Ground clearance w/10.00-24 tires: 21.8 in.
w/13.00-24 tires: 23.5 in.
w/15.25-24 tires: 22.9 in.

Drive Axle, Rear: Full floating with tapered roller bearings
Diameter at bearings: 3.28 in.

Hydraulic System: Closed-center with variable-displacement
piston-type pump. Capacity: 26.9 gpm at 2,300 rpm at 2,000 psi

Capacities:
Fuel tank.................................................. 50 U.S. gal.
Cooling system........................................... 22 U.S. qt.
Crankcase (with or without filters).............. 10 U.S. qt.
Transmission (with filters and including hydraulic
system).................................................. 21 U.S. gal.

Weight Distribution:
With Std. With Std. Equip.
On front wheels: 5,500 lb. 5,490 lb.
On rear wheels: 12,600 lb. 12,600 lb.

Shipping Weights:
Grader with std. equip., cab, and scarifier: 20,278 lb.
Grader with std. equip., cab, moldboard scarifier: 21,185 lb.

Scarifier: V-type for 50-in. cut with 3 manual pitch positions:
7,060 lb. maximum hydraulic down pressure, hydraulic lift 20,000
lb., 11 teeth 1-in. x .3 in. shank, 8-1/4-in. penetration, 22-1/2-in. lift.

Bulldozer blade: 93-in. width, 26.5-in. height, 3-in. depth of cut,
31-in. ground-clearance lift, 11 deg. left or right angle, using
frame steering.

Standard Equipment:
John Deere 303.6-cu.-in. Diesel
engine 13.00-24, 8-ply rating tires, front
and rear 12-volt electrical system 55
amp. alternator
Fully transistorized regulator
2 batteries (125 amp. and 75
plates each)
Electric starter
Power-shift transmission
Lock-unlock differential
Power steering, front wheels
Hydraulic articulated frame
steering
Power front wheel lean
Power brakes (effective on 4
tandem wheels)
Parking brake (effective on 4
front wheels)
Power circle (360 deg. rotation)
Power circle sideshift
Power blade sideshift
Power blade pitch
10-ft. moldboard
Running lights (2 white sealed
beams, front) (2 red sealed
beams, stop and tail)
Electric hour meter
Horn
Air inlet cap
Bottom guard (transmission)
Dry-type air cleaner, dual-
element
Restriction indicator

Options:
10-ft. moldboard 10-3/4-ft. in.
8-ply rating tires, front
and rear 15.5-25, 8-ply rating tires, front
and rear Manual blade sideshift and
blade pitch Air pre-cleaner

Special Equipment (Attachments):
Bulldozer blade Scarifier
Worm signals Work lights Fuel gauge Cab
Cab heater Cab windshield wiper, front
window Cab with shed wiper, rear
window Cab defroster fan
Floor mats Cold weather starting aids:
Engine coolant heater element
Ether starting attachment
Moldboard extensions, 2-ft.
right or 2-ft. left
Engine coolant heater