



# JD550 BULLDOZER

## Choose from three blade options

Equipped with your choice of three blade options, the 72-net-horsepower JD550 Bulldozer can handle a variety of earth-moving applications. One inside-mounted and two outside-mounted blades give you a choice for your type of dozing, whether it's clearing, leveling, backfilling, or finishing.

**The 6405 inside-mounted dozer** features all-hydraulic T-bar control of all blade functions and a 96-inch blade.

**The outside-mounted 6410** features single-lever control of blade lift, down-pressure, and float, with manual angle and tilt. The 8-foot 10-inch blade has 4 feet of lift.

**The 6415 bulldozer** is all-hydraulic, with single-lever control of blade lift, down-pressure, tilt, and float. Ends of the 8-foot blade are slightly boxed to increase dirt-carrying ability.



**T-bar control** of the all-hydraulic 6405 blade gives you full fingertip command of all dozer functions. Apply tilt, lift, float, angle, or down-pressure on the move, when you need them.



**The two outside-mounted versions** with heavy-duty, wide blades are designed for rough dozing work, highway jobs, land clearing and other rugged applications.

6405 Bulldozer

6410 Bulldozer

6415 Bulldozer





## Blade Options

### 6405 Bulldozer

Blade width	8 ft. (2.44 m)
Blade height	2 ft. 8 in. (813 mm)
Digging depth	1 ft. 0.6 in. (321 mm)
Maximum lift clearance	3 ft. 1.4 in. (949 mm)
Single T-bar control of lift, tilt, angle, float, and down-pressure	
Angle	25 deg. left or right
Tilt	11 in. (279 mm) max.

### 6410 Bulldozer

Blade width	8 ft. 10 in. (2.69 m)
Blade height	2 ft. 8 in. (813 mm)
Digging depth	1 ft. 0.5 in. (317 mm)
Maximum lift clearance	4 ft. (1.22 m)
Single lever control of lift, down-pressure, and float	
Manual angle	25 deg. left or right
Manual tilt	11 in. (279 mm) max.

### 6415 Bulldozer

Blade width	8 ft. (2.44 m)
Blade height	2 ft. 8 in. (813 mm)
Digging depth	1 ft. 1 in. (330 mm)
Maximum lift clearance	3 ft. 5 in. (1.04 m)
Single-lever control of blade lift, down-pressure, tilt, and float	
Tilt	11.5 in. (292 mm) max.



## 9300 Backhoe

### Operating Information:

Digging depth (ICED)	
Maximum	14 ft. 9 in. (4.50 m)
2-ft. (610 mm) flat bottom	14 ft. 7 in. (4.44 m)
8-ft. (2.44 m) flat bottom	13 ft. 7 in. (4.14 m)
Swing arc	180 deg.
Digging force (bucket cylinder)	9226 lb. (41.35 kN) (4185 kg)
Digging force (crowd cylinder)	5835 lb. (26.15 kN) (2647 kg)
Reach from center of swing mast (ICED)	17 ft. 3 in. (5.26 m)
Loading height (ICED)	10 ft. 1 in. (3.07 m)
Transport height	11 ft. 1 in. (3.38 m)

### Buckets:

#### Width

	in.	mm	cu. ft.	m <sup>3</sup>
Standard	12	305	2.5	0.071
	16	406	3.6	0.102
	18	457	4.4	0.125
	24	610	6.0	0.170
	30	762	7.6	0.215
	36	914	7.2	0.204
Heavy-duty	18	457	4.4	0.125
	24	610	6.0	0.170
	30	762	7.6	0.215
Ejector	24	610	4.2	0.119



## 9550 Backhoe

### Operating Information:

Digging depth (ICED)	
Maximum	13 ft. 8 in. (4.17 m)
2-ft. (610 mm) flat bottom	13 ft. 7 in. (4.14 m)
8-ft. (2.14 m) flat bottom	12 ft. 6 in. (3.81 m)
Swing arc	180 deg.
Digging force (bucket cylinder)	7093 lb. (31.79 kN) (3217 kg)
Digging force (crowd cylinder)	4019 lb. (18.01 kN) (1823 kg)
Reach from center of swing mast (ICED)	17 ft. 6 in. (5.33 m)
Loading height (ICED)	11 ft. 3 in. (3.43 m)
Transport height	10 ft. 11 in. (3.22 m)

### Buckets:

#### Width

	in.	mm	cu. ft.	m <sup>3</sup>
Standard	12	305	1.6	0.045
	16	406	2.6	0.074
	18	457	3.6	0.102
	24	610	4.8	0.136
	30	762	6.0	0.170
	36	914	7.2	0.204
Heavy-duty	18	457	3.6	0.102
	24	610	4.8	0.136
Cemetery Special	36	914	7.2	0.204
Ejector	24	610	4.2	0.119

# JD550 Specifications

(Specifications and design subject to change without notice. Wherever applicable, specifications and design are in accordance with ICED and SAE Standards. Except where otherwise noted, these specifications are based on a unit with roll-over protective structure and standard equipment.)

**Power:** **SAE** **DIN**  
(@ 2200 engine rpm):

Gross.....80 hp (59.7 kW)  
Net.....72 hp (53.7 kW) 73 PS

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 500-ft. altitude and 85° F temperature, and DIN 70 020 conditions (non-corrected). No derating is required up to 10,000 feet (3000 m) altitude.

## Engine:

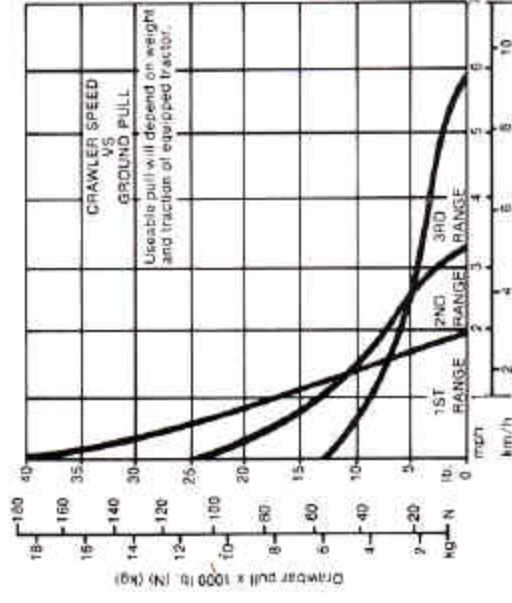
John Deere 4-cylinder turbocharged diesel, 4-stroke cycle

Bore and stroke.....4.19x5.00 in.  
(106.4x127 mm)  
Piston displacement......276 cu. in.  
(4523 cm<sup>3</sup>)

Compression ratio.....16.2 to 1  
Maximum torque @ 1200 rpm.....230 lb-ft  
(312 Nm) (31.8 kg-m)

NACC or AMA (U.S. Tax) horsepower .28  
Lubrication...Pressure system w/full-flow  
filter and cooler

Main bearings.....5



Cooling pressurized w/dual thermostat and controlled bypass.

Fan.....Blower  
Air cleaner w/restriction indicator.....Dry  
Electrical system.....12-volt  
Battery (12-volt).....Reserve capacity:  
180 minutes

**Transmission**.....Converter-driven,  
3-speed forward and reverse, Power Shift.

## Travel Speeds:

Range:	Fwd. Rev.	km/h
1	2.05 2.44	3.30 3.93
2	3.34 3.96	5.37 6.37
3	5.73 6.80	9.22 10.94

## Steering:

Steering clutches and brakes are controlled by a single lever for each track. (Pedal steering optional.) A pedal provides braking, and lockdown for parking.

Clutches.....Oil-cooled, hydraulically actuated, multiple-disk, 11-in. (279 mm) disk; 16 friction surfaces per clutch.

Brakes...Self-adjusting, self-energizing, oil-cooled contracting band with bonded lining

**Tracks** (5-roller track frames w/ rock guards):

Grouser.....16-in. (406 mm)  
Track shoes, each side.....36  
Ground contact area.....2328 sq. in.  
(15 019 cm<sup>2</sup>)

Length of track on ground.....72.75 in.  
(1.85 m)

Track gauge.....52 in. (1.32 m)

Carrier roller.....1

Adjustment.....Hydraulic

Clearance at rear crossbar.....14.25 in.  
(362 mm)

## Capacities:

Cooling system.....5 gal. 4.2 gal. 18.9

Fuel tank.....36 gal. 30.0 gal. 136.3

Crankcase, including filter.....15 qt. 12.5 qt. 14.2

Transmission.....13.5 gal. 11.2 gal. 51.1

Final drives (each).....6.25 qt. 5.2 qt. 5.9

Hydraulic reservoir.....6.4 gal. 5.3 gal. 24.5


Steering clutch housing (each side).....28 qt. 23.3 qt. 26.5

## Additional Standard Equipment:

Enclosed alternator w/solid-state regulator; front and rear bottom guard; front hitch; deluxe cushion seat w/armrests; key switch; pushbutton start switch; decelerator; electric hourmeter; cigaret lighter; vandal protection; lights; engine side shields; ether starting aid; outer sprocket shields; trash resistant radiator; master electrical disconnect switch; rubber-mounted ROPS w/seat belt.

## Special Equipment:

Pedal steering; 16-in. (406 mm) open-center grouser shoes; 18-in. (457 mm) open-center grouser shoes; 360-minute reserve capacity battery (2-12 V); cab (includes ROPS) w/seat belt; front idler shields; swinging drawbar; auxiliary hydraulic system w/ or w/o breakaway couplings; 3-in. (76 mm) seat belt; limb risers and overhead exhaust; winch drive, radiator sand shield.



**Master disconnect switch, batteries and electric hourmeter** are all conveniently located under the left armrest. There is also room for tool storage. Compartment can be locked with padlock.



**Hood and side shields** are quickly and easily removed to expose the engine for major service work in the shop or in the field.



**Tracks adjust hydraulically** with use of the grease gun that comes with the unit. Tension can also be relieved. All rollers and idlers are equipped with lifetime seals, and lubrication is not necessary.

## Service is easy on the JD550


It's no problem to keep your JD550 running smoothly. Servicing and maintenance don't require an engineering degree. Extra care has been taken to make service points accessible. In designing the JD550, John Deere engineers made every effort to hold maintenance requirements to a minimum.

For example, track links are counter-bored and sealed. Dirt can't enter between pins and bushing, causing extra wear. Rollers and idlers are factory sealed, requiring no lubrication. Self-adjusting, oil-cooled steering clutches and brakes reduce wear and eliminate time-consuming adjustments and downtime spent replacing parts.

Radiator access, oil checkpoint, and air cleaner are serviced from atop the engine cowlings. Batteries are accessible under the armrest, where there is also a tool storage area.

Other standard features making the JD550 easy to operate and service include hydraulic track adjustment, master disconnect switch, electric hourmeter, ether starting aid, and pushbutton starter.

A bulldozer that reduces maintenance time increases production time. That's why a JD550 should be on your jobsite.



**Daily servicing is easy**, with access through two locking doors on top of the hood. Air cleaner restriction indicator is mounted on the dashboard.

**Tracks adjust hydraulically** with use of the grease gun that comes with the unit. Tension can also be relieved. All rollers and idlers are equipped with lifetime seals, and lubrication is not necessary.

# Durability from torque converter to oil-cooled steering and brakes

From fan to final drives, you get a crawler designed to last. The JD550 power train is engineered to handle the strains of long hours and high production, yet run cool and efficient.

The sturdy 4-cylinder, 72-SAE-net-hp turbocharged diesel engine is John Deere-designed and built. Features include plasma-coated piston rings that can withstand abnormally high operating temperatures without scuffing, a heavy, one-piece block with reinforced sidewalls, and cam-driven balance shafts.

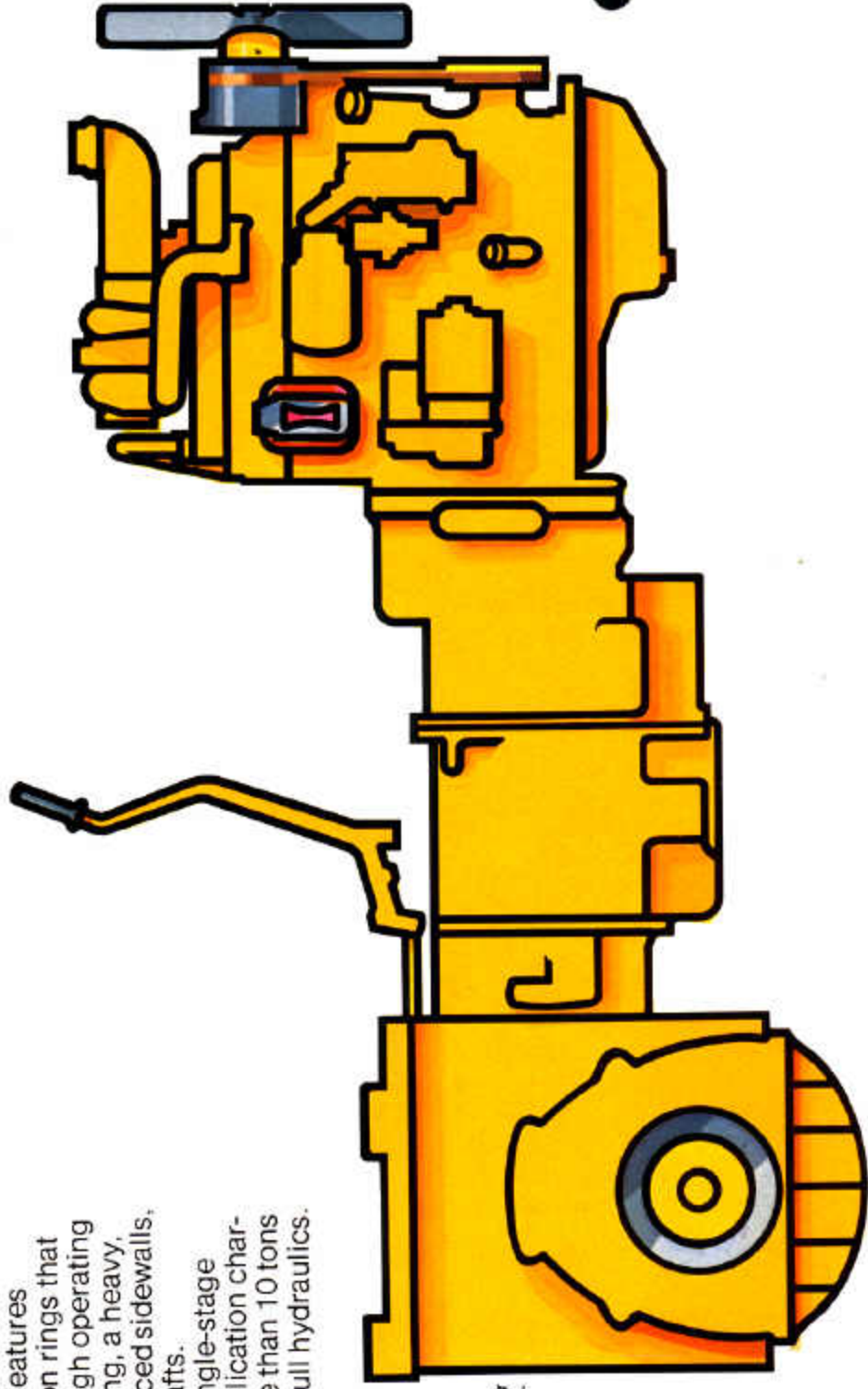
The isolation-mounted, single-stage torque converter has multiplication characteristics that provide more than 10 tons of tractive effort, even with full hydraulics.

The JD550's full Power Shift transmission is short-coupled and compact, yet its countershaft design permits use of large, heavy-duty components. It's mounted low, with other drive train components, to improve stability and provide a level operator's platform. Three speed ranges in either direction let you travel to 5.7 mph forward and 6.8 mph in reverse.

**You won't have to adjust steering clutches and brakes.** Clutches self-adjust hydraulically and brake band self-adjust mechanically. Brakes are also self-energizing for sure stops.



**Oil-cooled steering and brake system** eliminates frequent adjustments and provides long life for steering clutches and brakes.



**JD550's power train** is designed for efficiency and durability. The 72-net-hp John Deere diesel was specifically built for turbocharging and for cool, efficient operation. Compact components are mounted low to provide extra crawler stability and a clean, flat operator's platform.



**Optional John Deere direct-gear-drive winch** accommodates 3-roller fairlead to give the JD550 added versatility. Delivers 18,470 pounds bare-drum line pull at 100 feet per minute.



**Shift console** features straight-line shifting in all three forward and reverse gears. Shift lever can be safety-latched in neutral.



**Gauges** are easy to read, controls are easy to reach, and the seat is contoured and comfortable. Instrument panel can be locked at night (photo at right). The hinged cover stores underneath dashboard.



**Pedal-steer option** replaces hand levers with foot pedals. Particularly useful on short-cycle operations requiring constant attention to speed and blade controls.

## JD550 can put new punch into your operation

Hit rolling speed fast, fully-loaded or in transit, forward or reverse. That's just one way the 72-net-horsepower, turbo-charged, torque-converter-drive JD550 can put a new punch into bulldozing work. Three gears forward and three reverse provide speeds to 5.7 mph and 6.8 mph, respectively. No clutching between speed ranges means non-stop acceleration for more efficient production.

You can shift directly, instantly from forward to reverse in first and second gears. To reverse direction in third gear, you go through second but not neutral.

JD550's low-profile design gives your operator an excellent view of the work ahead. Controls are easy-to-reach (pedal-steering is an option); gauges can be read at a glance; and the foam-padded seat makes a man comfortable all day.

A hinged vandal-protection cover stores under the instrument panel during operation, and can be locked into place over the gauges at night.

For added job versatility, team the JD550 with your choice of two backhoes, a ripper, winch, or sideboom. Limb risers and brush screens are available, too.

## We'd like to help build your future

There are lots of ways we can help. Besides offering high-quality equipment, we have John Deere Finance Plans to keep your money productive. You can select down-payment options of trade-in or cash. And we can arrange skip-payments for low-income periods. Or, try a crawler on rental and apply the payment toward purchase, if you decide to buy. Lease plans are available, too.

Through service and parts availability we can also help you grow by minimizing your downtime and increasing job productivity. Isn't it time you came in and gave us a closer look? Let us show you how we can help you grow.



LEO B. MILLER CO., INC.  
GERING, NEB.

