



# 400G

## DOZER



Model shown may include options

**SAE Net  
Horsepower**

60 hp  
(45 kW)

**Drive  
System**

Hi-Lo-  
Reverse  
Direct Drive

**Operating  
Weight SAE**

11,820 lb.  
(5362 kg)

## ENGINE

John Deere engineered and manufactured 4-cylinder diesel engine. Replaceable wet-type cylinder liners help ensure superior heat dissipation, longer engine life. High-strength alloy heads include replaceable valve seat inserts. Plasma coated piston rings are also included. High engine torque rise helps provide fast engine recovery when working in tough operating conditions.

Engine: John Deere 4039D	
Rated power at 2100 rpm	60 SAE net hp (45 kW)
	65 SAE gross hp (47 kW)
Cylinders	4
Displacement	239 cu. in. (3.917 L)
Fuel consumption, typical	1.5 to 2.0 gal/hr (4.9 to 7.6 L/h)
Maximum net torque at 1300 rpm	188 lb.-ft. (255 Nm)
Lubrication	pressure system with full-flow filter and oil cooler
Air cleaner	dual stage, dry type with safety element, precleaner and restriction indicator
Electrical system	12 volt with 65 amp alternator
Cooling fan	blower

## TRANSMISSION

The Hi-Lo-Reverse transmission is designed and built by John Deere. You can shift between high, low or reverse in each of four gear ranges without slowing or stopping. Because the transmission is direct drive, a high percentage of power is delivered to the tracks.

### TRAVEL SPEEDS

Gear	mph	(km/h)	Gear	mph	(km/h)
1 Low	1.2	1.9	3 Low	2.8	4.5
High	1.7	2.7	High	4.0	6.4
Reverse	1.6	2.6	Reverse	3.8	6.1
2 Low	1.9	3.1	4 Low	4.4	7.1
High	2.6	4.2	High	6.2	10.0
Reverse	2.5	4.0	Reverse	5.9	9.5

## FINAL DRIVES

Large heavy-duty final drive assemblies help ensure long service life. To keep final drives from being adversely affected by shock loads, they are isolated from the track frame.

## STEERING/BRAKES

Self-adjusting and oil-cooled systems last up to three times longer than dry-type systems. They help reduce maintenance costs by virtually eliminating frequent adjustments and expensive repairs.

## HYDRAULICS

Control	T-bar, 3 function
Pressure	2750 psi (18 961 kPa)
Pump	gear
Flow	11 gpm (46.5 L/min)

## TRACKS

John Deere Dura-Trax™ undercarriage features large deep-heat-treated components for exceptional wear. Pins and bushings are sealed for life. Rollers and idlers are sealed and permanently lubricated. A long-track option has a 6-roller frame and 77.9 in. (1979 mm) length of track on the ground.

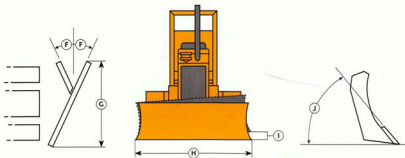
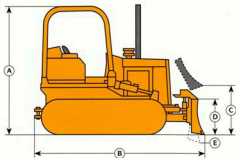
## CAPACITIES

Fuel tank	51 gal. (117.3 L)
Cooling system	5.25 gal. (12.3 L)
Crankcase, including filter	8.5 qt. (8.0 L)
Transmission, steering clutch housings and final drive	14 gal. (53 L)
Hydraulic reservoir	6.0 gal. (22.7 L)
Hydraulic system	8.5 gal. (32.2 L)

## OPERATING WEIGHT

	SAE
400C (with ROPS)	11,820 lb. (5362 kg)
Standard track	12,200 lb. (5534 kg)

# DIMENSIONS



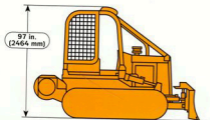
A Overall height.....	98 in. (2489 mm)
B Overall length.....	143 in. (3632 mm)
C Blade lift height.....	31.4 in. (796 mm)
D Blade height.....	28.6 in. (727 mm)
E Digging depth.....	20.6 in. (522 mm)
F Blade angle.....	25 degrees
G Blade width at full angle.....	83 in. (2108 mm)
H Blade width.....	90 in. (2286 mm)
I Blade tilt.....	10.43 in. (265 mm)
J Blade pitch angle.....	50 degrees
Blade capacity, SAE.....	1.05 yd. <sup>3</sup> [0.80 m <sup>3</sup> ]
SAE.....	84 in. (2134 mm)
SAE.....	1.13 yd. <sup>3</sup> [0.86 m <sup>3</sup> ]
	90 in. (2286 mm)

## UNDERCARRIAGE

	Standard Track	Long Track (Optional)
Grouser, closed center	14 in. (356 mm)	14 in. (356 mm)
Track shoes, each side	36	39
Ground contact area	1940 sq. in. (12 516 cm <sup>2</sup> )	2180 sq. in. (14 064 cm <sup>2</sup> )
Ground pressure	6.1 psi (42 kPa)	5.6 psi (38.6 kPa)
Length of track on ground	69.3 in. (1760 mm)	77.9 in. (1979 mm)
Track gauge	50 in. (1270 mm)	50 in. (1270 mm)
Carrier roller	1	1
No. of track rollers	5	6
Adjustment	hydraulic	hydraulic
Ground clearance	11.6 in. (294 mm)	11.6 in. (294 mm)

## FORESTRY APPLICATION

The 400G Crawler can be equipped for forestry applications with the addition of limb risers and screens for the rollover protective structure. A John Deere-built winch adds versatility for skidding and clearing operations.



Limb risers and brush-protection assembly for roll-over protective structure

## DRAWBAR PULL

(with adequate weight and traction at maximum engine torque)

Gear:	lb.	(kN)	(kg)
Range 1			
L	12,900	57.3	5840
H	11,500	51.5	5250
Range 2			
L	10,500	45.9	4680
H	8,200	36.7	3742
Range 3			
L	7,600	34.2	3487
H	5,000	22.3	2275
Range 4			
L	4,600	20.6	2100
H	3,000	13.3	1356



## TRANSMISSION

The 400G provides power shift convenience with its Hi-Lo-Reverse transmission letting you shift between high, low and reverse in each of four gear ranges without slowing down or stopping. And because the transmission is direct drive, a high percentage of power is delivered where it can do the most good — to the tracks.



## REPLACEABLE LINERS

Heavy-duty John Deere built engines have hardened, replaceable wet cylinder liners to help provide longer engine life. Major engine rebuilds become easier and less expensive. Liners feature uniform wall thickness. This, combined with oil spray cooling of the pistons, provides for excellent heat dissipation and elimination of cylinder "hot spots." All are features normally associated only with larger diesel engines.



## CONTROLS

A single T-bar control lever gives one-hand control of blade functions. Precise grading is made easier because it controls all blade functions: raise, lower, float, angle and tilt.



## BLADE

Dozer blade attaches directly to the C-frame, resulting in less maintenance, added strength and durability, and better blade control. Another advantage is increased depth of cut below ground. Optimum blade curvature provides excellent dirt rolling action.

## ADDITIONAL STANDARD EQUIPMENT

### Engine:

Enclosed safety fan guard  
Conforms to SAE J1308  
Blower fan  
Engine coolant to -34°F (-37°C)  
Oil-to-water engine oil cooler  
Underhood muffler with vertical  
straight stack  
Trash resistant radiator

### Power Train:

Power shift high-low reverse  
with four speed collar shift  
Wet steering clutches and wet  
brakes

### Electrical System:

65-amp alternator  
Hourmeter  
Lights, halogen work, two front/  
one rear  
Reverse warning alarm  
One 12-volt battery

### Hydraulics:

Three-spool hydraulic valve  
T-bar control

### Operator's Station:

ROPS canopy with seat belt  
Adjustable position cushioned  
seat with adjustable height  
armrests  
Horn  
Electronic monitor for:  
Engine oil pressure  
Engine water temperature  
Decelerator  
Rearview mirror

### Overall Vehicle:

Bottom guards, front and rear  
Chain guides  
Drawbar  
Engine side shields  
Vandal protection for:  
Battery box  
Fuel tank cap  
Hydraulic tank  
Instrument panel cover  
Blade, 90-in. (2286 mm), all  
hydraulic, six-way  
Hitch, front  
Fenders

## OPTIONAL OR SPECIAL EQUIPMENT

(Add these weights to SAE Standard Equipment operating weights to obtain total operating weights.)

	lb.	kg
Blade, 84-in. (2154 mm)	58	17
Drawbar for winch	50	22
Ether starting aid	1	.5
Fairlead for winch	108	49
Final drive guard	85	39
Fourth section valve	11	5
Full length rock guards	110	50

	lb.	kg
Heavy-duty battery	5	2
Mounting brackets for rear equipment	100	45
Radial ripper	782	355
Rear screen	30	13
Winch, 3325	815	370
Winch drive	26	12

## THE JDAdvantEDGE

JDAdvantEdge is a wealth of support programs, parts systems and dealer resources, all designed to give you the edge. This package of special benefits is a major reason why John Deere offers the "best value" for your equipment dollar.

**Best parts support**—Twelve regional parts depots in North America and others around the world put parts support near your job no matter where in the world it is.

A computerized FLASH™ parts locating system linking these depots to dealerships can find out-of-stock parts in a hurry and get them into your hands fast. Usually within 24 hours.

**Best service backup**—Dealer service technicians are regularly schooled, at our modern facility in Davenport, Iowa, or by professionals in the field, to diagnose quickly and repair efficiently.

If they are stumped, a phone call to DTAC (Dealer Technical Assistance Center) puts them in touch with a staff of pros at the factory who help them find a solution quickly.

**Best dealers**—Your John Deere dealer is an important contributor to the JDAdvantEdge. He or she is committed to being the best equipment supplier you can work with.

This is a dollars-and-cents commitment in parts inventory, in service facilities, in field service trucks. It's a sweat and blood commitment in dedicated, skilled and highly trained and motivated personnel in each and every department at the dealership.

But what sets John Deere dealers apart from all the rest is something more, a factor somewhat difficult to measure . . . a caring attitude, and a sincere desire to be the best at meeting the needs of each individual customer.

**John Deere Finance Plans**—Whether you rent, lease or buy John Deere equipment, your dealer can explain the John Deere options available. One-stop options that let you free up operating capital, keep other lines of credit open. More solid benefits of the JDAdvantEdge.

**Best protection**—In addition to the new equipment warranty that meets or exceeds the competition, SECURE® extended coverage, an optional service product for John Deere equipment, is available for repair coverage after the warranty concludes. Full machine or power train coverage is available for a variety of time periods to meet your needs. Consult your dealer for availability and details.

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J1349 and DIN 62708, using No. 2-D fuel at 35 API gravity. No derating is required up to 6,000 feet (1,800 m) altitude. Gross power is without cooling fan.

Specifications and design subject to change without notice. Whenever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on a unit with rollover protective structure, full fuel tank, and 175-lb. (79 kg) operator and standard equipment.

