

L O G L O A D E R S

344G 444G





Conventional differentials are standard in both axes. Also available is a front hydraulic differential lock, which operates with this convenient left-foot switch.



Unlike the axles on some four-wheel-drive loaders, the 344G and 444G planetary final drives are mounted inboard. Larger, more durable components are used, because gear size isn't restricted by wheel-hub diameter. The final drives evenly distribute axle shock loads over three gears, and run in a cooling oil bath for long life and trouble-free service. There's more room for the oil to lubricate and cool, too, since the entire differential reservoir can be used.

Now a single electric-shift lever on the steering column, the transmission control allows easy direction and speed changes. There's also a hydrostatic inching pedal that comes in handy for precision work.

Pressurizer and heater are standard equipment; an air conditioning option is also available. The improved microprocessor-controlled monitor system keeps a close eye on 15 critical systems, with warnings you can both hear and see.

Cab-equipped units feature a superb ventilation system. Both the wide entrance door and the right window swing open and latch into place. (Rear side windows that open are also available.)

Fully hydraulic power steering provides 20 percent more power throughout the entire 80-degree steering arc (40 degrees each direction).



Wet-disk brake system has no exposed rotors, no calipers, no troublesome air system. More braking surface means longer life, better braking capacity, and smoother stops at all speeds.

The spring-applied, hydraulically released park brake automatically engages when you shut off the engine. It can be applied with the engine running by flipping a switch.

You won't need to climb all over the machine to refuel. The fuel cap is positioned so that refueling is done from the ground.

Standard equipment includes the two-spool hydraulic valve with single-lever control. Also available is the optional triple-valve system for use with top timber clamps and other types of attachments.

The 344G and 444G cabs are 3.5 inches wider than before. The larger front windows extend down closer to the floor to give you ample visibility to the work area.

Both the radiator and the oil cooler are equipped with trash-resistant cores.

Full-opening side shields give you unparalleled access to the engine compartment and important service areas.

When it comes time to clean the radiator and oil cooler, you can reach them simply by unhinging the rear grille.

The wide-open articulation area gives easy access to the transmission dipstick and steering-cylinder lube points. Frame hinge pivots feature double-tapered roller bearings that need to be lubricated only every 1,000 hours.



ENGINE	3440	4440
Type	John Deere 4045T with altitude-compensating turbocharger	John Deere 4045T with altitude-compensating turbocharger
Rated power	85 SAE net hp (63 kW), 90 SAE gross hp (67 kW) @ 2,350 rpm	100 SAE net hp (74 kW), 106 SAE gross hp (79 kW) @ 2,350 rpm
Cylinders	4	4
Displacement	276 cu. in. (4,523 L)	276 cu. in. (4,523 L)
Maximum net torque	235 lb.-ft. (319 Nm) @ 1,250 rpm	276 lb.-ft. (374 Nm) @ 1,250 rpm
Lubrication	pressure system with full-flow spin-on filter and cooler	pressure system with full-flow spin-on filter and cooler
Fuel consumption, typical	1.5 to 3.0 gal./hr. (5.7 to 11.4 L/h)	1.7 to 3.4 gal./hr. (6.4 to 12.9 L/h)
Cooling fan	blower	blower
Electrical system	24 volt with 45-amp alternator	24 volt with 45-amp alternator
Batteries (two 12 volt)	reserve capacity: 320 min., 1,250 CCA	reserve capacity: 320 min., 1,250 CCA
Air cleaner	dual safety element dry type; restriction indicator for service	dual safety element dry type; restriction indicator for service
TRANSMISSION		
Type	hydrostatic (HST) with infinitely-variable speed control; two-speed power-shift transmission coupled with the HST to provide full range of operating speeds and direction reversal	hydrostatic (HST) with infinitely-variable speed control; two-speed power-shift transmission coupled with the HST to provide full range of operating speeds and direction reversal
Controls	low-effort electric shift, single lever control for direction changes and speeds; HST inching pedal	low-effort electric shift, single lever control for direction changes and speeds; HST inching pedal
Travel speeds	<i>Forward and Reverse</i>	<i>Forward and Reverse</i>
Gear 1	8.2 mph (13.2 km/h)	8.1 mph (13.0 km/h)
Gear 2	20.0 mph (32.2 km/h)	20.0 mph (32.2 km/h)
AXLES/BRAKES		
Final drives	heavy-duty planetary, mounted inboard	heavy-duty planetary, mounted inboard
Differentials	conventional front and rear - Standard hydraulic lock front, conventional rear - Optional	conventional front and rear - Standard hydraulic lock front, conventional rear - Optional
Rear axle oscillation	24 degrees, stop to stop	24 degrees, stop to stop
Maximum rise and fall, single wheel	15.7 in. (400 mm)	16.4 in. (416 mm)
Brakes (conform to SAE J1473, ISO3450)		
Service brakes	inboard-mounted hydraulic wet-disk, bathed in cooling oil, long life self-adjusting	inboard-mounted hydraulic wet-disk, bathed in cooling oil, long life self-adjusting; conform to SAE J1473, ISO3450
Parking brake	automatically spring applied, hydraulically released, expanding shoe and drum on transmission	automatically spring applied, hydraulically released, expanding shoe and drum on transmission
HYDRAULIC SYSTEM/STEERING		
Pump (loader and steering)	gear-type, open-center system	gear-type, open-center system
Maximum flow	29.3 gpm (111 L/m) @ 600 psi (4137 kPa) and 2,350 rpm	36.0 gpm (136 L/m) @ 600 psi (4137 kPa) and 2,350 rpm
Pressure	loader relief 3,130 psi (21 580 kPa) steering relief 2,990 psi (20 615 kPa)	loader relief 3,130 psi (21 580 kPa) steering relief 2,990 psi (20 615 kPa)
Loader controls	two-function valve with single lever and control lever lockout / optional three-function valve with auxiliary lever	two-function valve with single lever and control lever lockout / optional three-function valve with auxiliary lever
Hydraulic cycle times		
Raise	5.1 sec.	5.2 sec.
Dump	1.0 sec.	1.0 sec.
Lower	3.0 sec. (float down) / 3.0 sec. (power down)	3.4 sec. (float down) / 3.1 sec. (power down)
Steering (conforms to SAE J1511)		
Type	power, fully hydraulic	power, fully hydraulic
Relief valve setting	2,990 psi (20 615 kPa)	2,990 psi (20 615 kPa)
Articulation angle	80-degree arc (40 degrees each direction)	80-degree arc (40 degrees each direction)
Turning radius (measured to centerline of outside tire)	14 ft. 5 in. (4.38 m)	15 ft. 0 in. (4.57 m)
TIRES		
Choice of	15.5-25, 8 PR L2 / 15.5-25, 10 PR L2	15.5-25, 10 PR L2 / 17.5-25, 12 PR L2 / 17.5-25, 10 PR L2
15.5-25 tires (one- or three-piece wheels)		
Tread width	70.1 in. (1780 mm)	72.8 in. (1850 mm)
Width over tires	88.6 in. (2250 mm)	91.3 in. (2320 mm)
Change in vertical height	0	-2.09 in. (-53 mm)
17.5-25 tires		
Tread width		72.8 in. (1850 mm)
Width over tires		92.1 in. (2340 mm)
CAPACITIES		
Fuel tank with ground level fueling	32 gal. (120 L)	37 gal. (140 L)
Cooling system	31 qt. (29 L)	32 qt. (30 L)
Engine lubrication, including full-flow spin-on filter	14 qt. (13 L)	14 qt. (13 L)
Power shift transmission, including vertical cartridge filter	9.5 qt. (9 L)	9.5 qt. (9 L)
Front or rear differential (each)	18 qt. (17 L)	18 qt. (17 L)
Loader-hydrostatic reservoir	64 qt. (60 L)	64 qt. (60 L)

OPERATING WEIGHTS

344G

444G

Operating weights with all standard equipment, log fork, BOPS cab, 175-lb. (79 kg) operator, and full fuel tank

With 15.5-25, 8 PR 1.2 tires and 550-lb.

(250 kg) optional counterweight.....19,213 lb. (8715 kg)

With 17.5-25, 12 PR 1.2 tires and 660-lb.

(300 kg) optional counterweight.....21,753 lb. (9867 kg)

Fork weight*.....3,075 lb. (1395 kg)

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*Allied equipment log fork ordered through John Deere dealer.

OPERATING INFORMATION

Lift capacity maximum height

Fork level.....6,534 lb. (2964 kg)

9,564 lb. (4338 kg)

Fork rolled back.....6,314 lb. (2864 kg)

6,905 lb. (3132 kg)

Lift capacity ground level

Fork level.....8,964 lb. (4066 kg)

11,303 lb. (5127 kg)

Fork rolled back.....9,877 lb. (4480 kg)

12,423 lb. (5635 kg)

Tipping load, 40-degree full turn, SAE -

maximum reach

Fork level.....6,506 lb. (2951 kg)

8,464 lb. (3839 kg)

Fork rolled back.....8,898 lb. (4036 kg)

11,389 lb. (5166 kg)

Tipping load, straight - maximum reach

Fork rolled back.....10,723 lb. (4864 kg)

13,481 lb. (6115 kg)

Maximum rollback

Ground level.....20 degrees

20 degrees

Carry height.....25 degrees

25 degrees

Length of tines.....48 in. (1219 mm)

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Tine spacing center to center.....73.8 in. (1874 mm)

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Minimum diameter clamp closing.....40 in. (1016 mm)

40 in. (1016 mm)

DIMENSIONS WITH LOG FORK

A Height to top of cab and canopy.....10 ft. 2 in. (3.11 m)

10 ft. 4 in. (3.14 m)

B Height to top of exhaust.....9 ft. 10 in. (2.99 m)

9 ft. 11 in. (3.03 m)

C Ground clearance.....15.5 in. (395 mm)

16.7 in. (423 mm)

D Length from centerline of front axle.....50.2 in. (1275 mm)

52.2 in. (1325 mm)

E Wheelbase.....100.4 in. (2550 mm)

104.3 in. (2650 mm)

F Overall length.....21 ft. 8.5 in. (6.62 m)

22 ft. 6 in. (6.86 m)

G Height to hinge pin, fully raised.....11 ft. 3.7 in. (3.45 m)

11 ft. 10.8 in. (3.63 m)

H Height to top of clamp entrance.....10 ft. 8.2 in. (3.26 m)

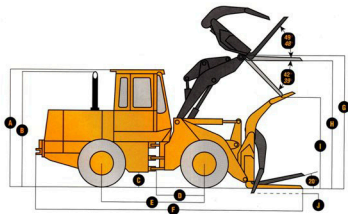
11 ft. 3.3 in. (3.43 m)

I Dump height.....7 ft. 6.4 in. (2.30 m)

8 ft. 3.5 in. (2.53 m)

J Digging depth.....4.25 in. (108 mm)

1.3 in. (34 mm)



Regular type indicates 344G dimensions. Bold type indicates 444G dimensions.

	344G	444G		344G	444G		344G	444G
ENGINE			HYDRAULIC SYSTEM					
Airtreatment, -34°F (-37°C)	●	●	Automatic boom height control	●	●	Seat belt, 2 in. (51 mm)	●	●
Blower-type cooling fan	●	●	Hydraulic oil cooler behind engine radiator	●	●	Conforms to SAE J386	●	●
Fan guard	●	●	Return-to-load feature	●	●	Seat belt, 3 in. (76 mm)	■	■
Fuel filter and water separator	●	●	Swing-out hydraulic oil cooler for clearing	●	●	Conforms to SAE J388	●	●
Insulation mounted	●	●	Two-function hydraulic valve with single	●	●	Horns (2), electric	●	●
Muffler, with vertical exhaust	●	●	lever control and lever lockout	●	●	Conforms to SAE J994, J3446	●	●
Precleaner and dry-type air cleaner	●	●	Three-way valve, single-lever control with	●	●	Key start switch with electric fuel shutoff	●	●
Spin-on engine oil and fuel filters	●	●	auxiliary control lever for third function	●	●	Tilt steering column, steering wheel with	●	●
Turbocharger	●	●		●	●	spineer	●	●
Cold weather (ether) starting aid	■	■	STEERING	■	■	Mirrors	●	●
Engine coolant heater	■	■	Power steering (two cylinders) and 40-degree	●	●	Interior-mounted convex rearview / Outside	●	●
			articulation each side	●	●	convex rearview (2) / Conforms to SAE J985	●	●
ELECTRICAL			Conforms to SAE J1511 with emergency	●	●	Slip-resistant steps and ergonomically-	●	●
Alternator, 45 amp	●	●	manual mode	●	●	located handholds	●	●
24-volt system	●	●	Secondary steering	■	■	Conforms to SAE J185	●	●
Batteries (2), 320-min. reserve	●	●	Conforms to SAE J53	●	●	Electronic monitor system and audible/visual	●	●
Battery terminal and starter safety covers	●	●		●	●	warning	●	●
Lights	●	●	TIRES	●	●	Engine air filter restriction / Low alternator	●	●
Front and rear flashers / Front and rear	●	●	15.5-25, 8 PR L2	●	●	voltage / Low brake oil level / Engine oil	●	●
turn signals / Rear stop and tail lamps /	●	●	15.5-25, 10 PR L2	●	●	pressure / Engine coolant temperature /	●	●
Two front driving/work	●	●	17.5-25, 12 PR L2	■	■	faucet seat belt indicator / Power-shift	●	●
Auxiliary start receptacle	■	■	17.5-25, 12 PR L3	■	■	transmission pressure / Hydraulic filter	●	●
Front and rear halogen work lights	■	■	Three-piece split rims	■	■	restriction / HST transmission charge	●	●
24- to 12-volt converter for radio	■	■		■	■	pressure / HST filter restriction / HST filter	●	●
			OPERATOR'S STATION	■	■	restriction / Park brake on indicator /	●	●
TRANSMISSION			Canopy	■	■	Gauges - Engine coolant - Fuel gauge -	●	●
Hydrostatic (HST) transmission	●	●	Isolation mounted BOPS/FOPS / Integral	■	■	Hoameter - Speedometer in mph	●	●
Electric shift control / Hydrostatic oil	●	●	load guard for material fork use - Con-	■	■			
cooler / Inching pedal	●	●	forms to SAE J1040C, J251, IS03471,			LOADER LINKAGE		
Reverse warning alarm	●	●	IS03449 / Bob-in rear glass reduces noise -			2-bar linkage with automatic boom height	●	●
Conforms to SAE J994, J1446	●	●	Safety-type glass / Floormat / Left side			control, automatic return-to-load, fork	●	●
Transmission, two-speed (high-low) power shift	●	●	access / Toolbox beside seat / Instrument			level indicator, all shipped with pins	●	●
Computer control downhill protection /	●	●	cover vandal protection (lockable with			Loader boom service lock	●	●
Single lever F-N-R, high-low electric	●	●	same key as starter switch)			Conforms to SAE J38	●	●
twist grip	●	●	Cab	■	■			
AXLES			Isolation mounted BOPS/FOPS / Integral	■	■	FORKS		
Differential, front and rear conventional	●	●	load guard for material fork use - Con-	■	■	Full line of allied equipment log forks*	●	●
Heavy-duty planetary gear final reduction	●	●	forms to SAE J1040C, J251, IS03471,					
Remote gear bank for rear axle oscillation	●	●	IS03449 / Sound suppressed / Floormat /			OTHER		
Differential, hydraulic locking front and	●	●	Dome light / Front and rear windshield			Articulation transport lock	●	●
conventional rear	●	●	wiper and washer / Heater-deterger			Conforms to SAE J276	●	●
Front axle disconnect	■	■	capacity 36,000 Btu/h, (10.5 kW) -			Drawbar	●	●
			Conforms to SAE J1503 / Door lock			Front and rear fenders	●	●
BRAKES			(with same key as starter switch)			Lift and tie-down hooks	●	●
Automatic spring-applied, hydraulic-released	●	●	Air conditioning (field installed)			Lockable engine side shields (with same key	●	●
park brake	●	●	Defuse suspension vinyl seat with adjustable			as starter switch)	●	●
Drum and shoe switch operated / Conforms	●	●	armrests, lumbar, backrest, tilt, height/			Rear bottom guard	●	●
to SAE J1473, IS03430	●	●	weight adjustment, fore-and-aft adjustment			Auxiliary rear counterweight, 660 lb. (300 kg)	●	●
Wet disc, self-adjusting primary service brakes	●	●	Conforms to SAE J899			Auxiliary rear counterweight, 550 lb. (250 kg)	●	●
Conform to SAE J1473, IS03430	●	●	Defuse suspension cloth seat (same features			Bolt-on slow-moving-vehicle emblem	●	●
			as standard seat)	■	■	Illuminated license plate bracket	●	●
				■	■	Ride control	●	●
						Toolbox	●	●

KEY: ● Standard equipment ■ Optional or special equipment

*See your John Deere dealer for further information.

THE JDAdvantage

JDAdvantage 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 (not parts support near your job no matter where in the world it is). A computerized FLASHM parts locating system linking these depots to dealerships can find out-of-stock parts in a hurry and get them into your hands fast... within 24 hours, across North America.

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're stumped, a phone call to DTRAC (Dealer Technical Assistance Center) puts them in touch with a staff of gobs at the factory who help them find a solution quickly.

Best dealers - Your John Deere dealer is an important contributor to the JDAdvantage. 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 sometimes 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 JDAdvantage.

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 J1348 and DIN 79 100, using No. 2-D fuel at 35.46 API gravity. No de-rating is required up to 7,000 feet (2135 m) altitude for the 344G and 10,000 feet (3050 m) for the 444G. 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 units with all standard equipment, log forks, POPS caps, 48 gal tank, and 175-hp (179 kg) operator. 344G unit (15.5-25, 8 PR L2 tires and 550-hp (350 kg) optional counterweight; and 444G unit with 17.5-25, 12 PR L2 tires and 660-hp (308 kg) optional counterweight.

