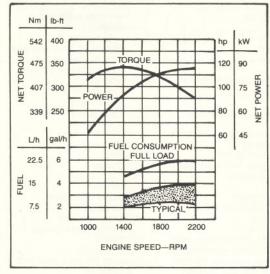


544E LL LOG LOADER



Model shown may include options

ENGINE PERFORMANCE



*Depending on operating variables

FEATURES

115 SAE net hp (86 kW) John Deere turbocharged diesel engine

Four-wheel drive

Operating weights to 30,821 lb. (13 980 kg)

Single phase, single stage torque converter with countershaft power shift transmission, 4 speeds forward, 3 reverse

Power steering. Articulated frame

Four-wheel wet-disk power brakes and parking brake

Inboard planetary final drives

Optional front-axle hydraulic differential lock or NoSPIN front differential

Optional vandal protection

Rollover protective structure (ROPS) with canopy. Meets criteria of SAE J394a, SAE J1040 APR88, OSHA 1926.1001 and ISO 3471. Also meets FOPS (falling object protective structure) criteria SAE J231 JAN81 and ISO 3449

ADD VERSATILITY WITH:

Lumber forks Log forks Grapples Hydraulic log and lumber tines Clearing rakes

Wood chip containers

544E LL LOG LOADER SPECIFICATIONS

Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE Standards. Except where otherwise noted, specifications are based on a machine with all standard equipment, 17.5-25, 12 PR, L3 tires, two rear counterweights, ROPS cab, full fuel tank, and 175-Ib. (80 kg) operator.

are based on a machine with an standard oqui		
Rated Power @ 2200 engine rpm: Net Gross Net engine power is with standard equipmen alternator and cooling fan, at standard condition No. 2-D fuel @ 35 API gravity. No derating is re Gross power is without cooling fan.	115 hp (86 kW) 120 hp (90 kW) nt including air cleane ons per SAE J1349 and	DIN 70 020, using
Engine: John Deere 6-359T Type	4.19 x 4.33 in. (10 359 c . 343 lb-ft (465 N 	6.5 x 110 mm)
Torque Converter: Type Torque multiplication Transmission:		2.91 to 1
Forward Speeds: 1	mph (max.) 4.5 7.6 17.2 24.6	km/h (max.) 7.3 12.2 27.7 39.5
12		7.3 12.2

Differentials — choice of:

3

Front and rear conventional Front hydraulic differential lock and rear conventional Front NoSPIN and rear conventional

17.2

27.7

Steering	. Full power	steering.
Frame articulated 80 degrees by two hydrauli	ic cylinders.	
Turning radius (measured to centerline of		

outside tire).											16 π. 3 in. (4.95 m)
Cylinder size:	Stroke										19.29 in. (490 mm)
	Bore .										2.76 in. (70 mm)
	Rod dia	m	et	er		 					1.57 in. (40 mm)

Brakes:

Service Power-actuated, 4-wheel inboard-mounted, wet disk. Foot-operated by either pedal.

Hydraulic Systems:

Loader hydraulic operating cycle times at full throttle.	
Raise	.8 sec.
Dump1	.9 sec.
Lowering: float	3.2 sec.
power	3.9 sec.
Brakes Engine-driven, axial pistor	n pump
delivers 8.1 gpm (31 L/min) at 2400 engine rpm and 600 ps	si (4137
kPa) (42.2 kg/cm ²). Maximum system pressure is 2300 psi ((15 859
kPa) (161.7 kg/cm ²).	

Hydraulic Cylinders:	Bore	Stroke
Boom, two	4.92 in. (125 mm)	30.71 in. (780 mm)
Rollback, one	5.51 in. (140 mm)	21.57 in. (548 mm)
Cylinder rods Gr polished.	ound, heat-treated,	chrome-nickel-plated
Boom cylinder rods Bollback cylinder rods		2.48 in. (63 mm) dia. 2.48 in. (63 mm) dia.

Tires — choice of: 17.5-25, 12 PR, loader tread, L2 17.5-25, 12 PR, rock tread, L3 17.5 R25, One Star, L2 equivalent 20.5-25, 12 PR, loader tread, L2 20.5-25, 12 PR, rock tread, L3 23.1-26, 10 PR, LS2 28L-26, 14 PR, LS2

Capacities: Fuel tank Cooling system Crankcase Crankcase, including filter Transmission case and filters Front and rear differential Loader hydraulic sump	
Operating Information:* Operating weight	26,497 lb. (12 019 kg)
Lift capacity maximum height: Fork level Fork rolled back	10,827 lb. (4911 kg) 9789 lb. (4440 kg)
Lift capacity ground level: Fork level Fork rolled back	19,215 lb. (8716 kg) 25,900 lb. (11 748 kg)
SAE tipping (40 deg. full turn) maximum rea Fork level Fork rolled back	9919 lb. (4499 kg)
Straight tipping—maximum reach, fork rolled back	16,065 lb. (7287 kg)
Maximum rollback @ ground level	45°
Maximum rollback @ carry height	51.8°
Maximum grading level	62.5°
Fork weight	4054 lb. (1839 kg)
Length of tines	4 ft. 0 in. (1219 mm)
Tine spacing center to center	. 81.18 in. (2062 mm)
Minimum diameter clamp closing *Allied equipment log fork ordered through	

Additional Standard Equipment:

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Differential, conventional,	
front and rear	
Engine:	
Antifreeze	
Fan guard	
Fuel filter	
Muffler	
Precleaner and dry type	
air cleaner	
Frames:	
Articulation transport lock	
Drawbar	
Lockable engine side shields	
and rear grille	
Rear bottom guard	
Service step, left-hand rear	
Hydraulic oil cooler	
Lights:	
Driving w/guard	
Flashing and turn signal	
Stop and tail	
Operator's station:	
Adjustable, deluxe vinyl seat	
Cigarette lighter w/ashtray	
Dual inside rearview mirrors	
Dual level monitor system:	
Two level warnings:	Re
Parking brake on	Tra
	Tre

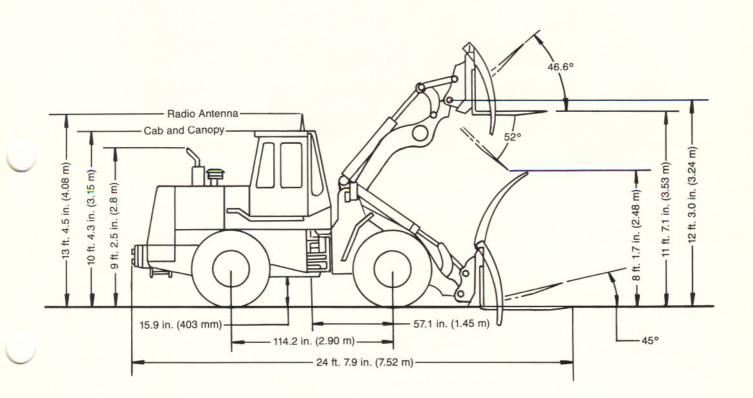
Single-level warnings: Air filter restricted Engine coolant temperature Hydraulic filter restricted Low brake pressure Low electrical voltage Low engine oil pressure Low transmission oil pressure Secondary steering (optional) Indicator only Turn signals Floormat Handgrips Horn Instruments: Electric hourmeter Fuel gauge Transmission oil temperature gauge Key switch **ROPS** canopy Two-inch (51 mm) seat belt w/retractor leverse warning alarm ransmission clutch disconnect Transmission oil cooler

Optional or Special Equipment: Buckets: Bolt-on cutting edges Bucket teeth Differentials: Front axle disconnect Front hydraulic differential Front NoSPIN differential Engine: Additional battery Alternator — 130 amp Cold weather (ether) starting aid Engine coolant heater Radiator sand shield Water separator, fuel Frames:

Auxiliary bottom guards, transmission and front frame Fenders, front or rear Lift hooks License plate bracket Rear counterweights Steps, frame mounted SMV emblem Transmission side frame guards Hydraulics: Two spool valve w/singlelever control Two spool valve w/two-lever control Three spool valve, singlelever control w/auxiliary control lever for third function Three spool valve, two-lever control w/auxiliary control lever for third function Lights: Front and rear work Loader: Automatic boom height control Automatic return-to-dig Operator's station: Mirrors, outside Radio - AM/FM for cab ROPS cab w/heaterdefroster-pressurizer, dome light, front and rear windshield wiper and washer, 90-amp alternator

ROPS cab w/air conditioning, heater/ defroster/pressurizer, dome light, front and rear windshield wiper and washer, 90-amp alternator Seats: Adjustable deluxe suspension vinyl seat w/armrests Adjustable deluxe suspension cloth seat w/armrests for cab Secondary steering Three-inch (76 mm) seat belt w/o retractor

544E LL LOG LOADER DIMENSIONS



		TIRES	
	17.5-25	20.5-25	23.1-26
Tread width	76.38 in.	74.80 in.	84.13 in.
	(1940 mm)	(1900 mm)	(2137 mm)
Overall width	95.28 in.	96.93 in.	109.09 in.
	(2420 mm)	(2462 mm)	(2771 mm)
Change in height	0	+ 2.40 in.	+ 4.09 in.
		(61 mm)	(104 mm)