



# 320G / 324G SPECIFICATIONS

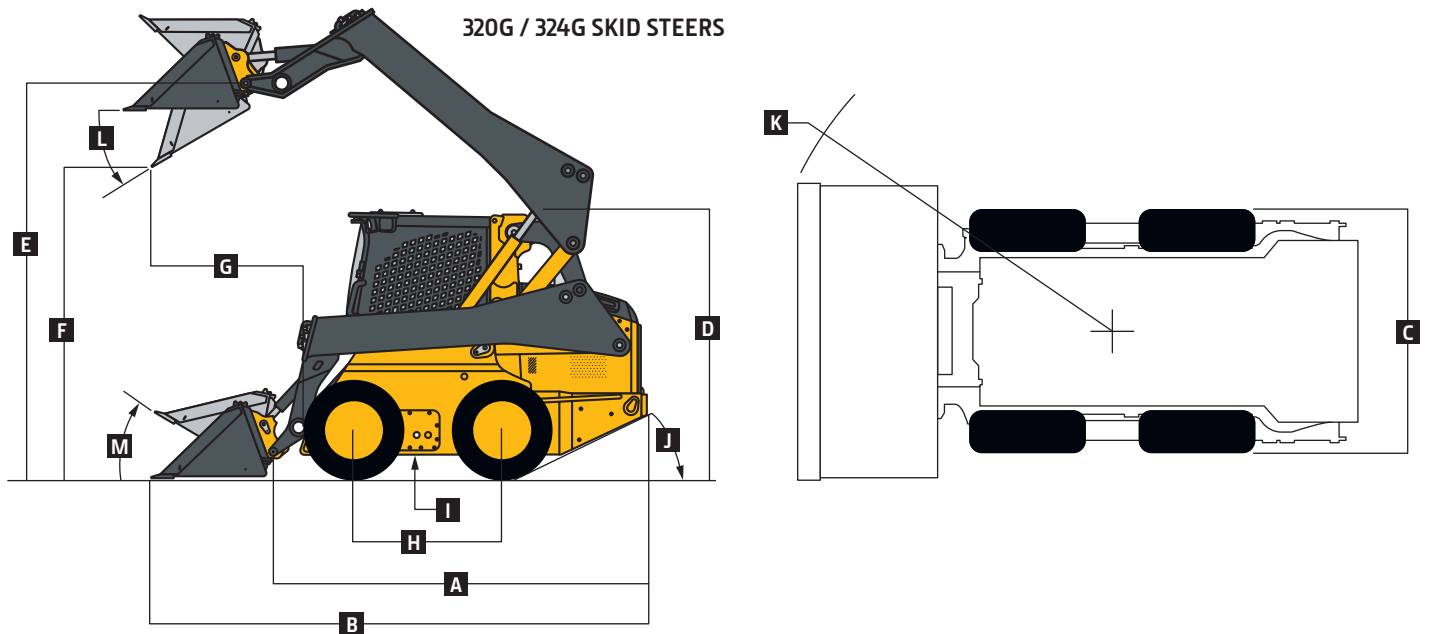
Engine	320G		324G	
Manufacturer and Model	Yanmar 4TNV98C (optional 4TNV98CT)	Yanmar 4TNV98T	Yanmar 4TNV98CT	Yanmar 4TNV98T
Non-Road Emission Standard	EPA Final Tier 4/ EU Stage IV	EPA Interim Tier 4/ EU Stage IIIA	EPA Final Tier 4/ EU Stage IV	EPA Interim Tier 4/ EU Stage IIIA
Cylinders	4	4	4	4
Gross Rated Power (ISO 14396)	51.7 kW (69 hp) at 2,500 rpm		55.0 kW (74 hp) at 2,500 rpm	
Net Peak Power (SAE J1349 / ISO 9249)	49.4 kW (66 hp) at 2,500 rpm		52.5 kW (70 hp) at 2,500 rpm	52.7 kW (71 hp) at 2,500 rpm
Peak Torque	241 Nm (178 lb.-ft.) at 1,625 rpm		280 Nm (207 ft.-lb.) at 1,800 rpm	284 Nm (209 ft.-lb.) at 1,800 rpm
Displacement	3.3 L (203 cu. in.)	3.3 L (203 cu. in.)	3.3 L (203 cu. in.)	3.3 L (203 cu. in.)
Rated Engine Speed	2,500 rpm	2,500 rpm	2,500 rpm	2,500 rpm
Torque Rise	22% at 1,625 rpm	22% at 1,625 rpm	34% at 1,800 rpm	36% at 1,800 rpm
Aspiration	Naturally aspirated (optional turbocharger)	Turbocharged	Turbocharged	Turbocharged
Air Cleaner	Dry dual element	Dry dual element	Dry dual element	Dry dual element
<b>Cooling</b>	<b>320G / 324G</b>			
Fan Type	Variable-speed hydraulic drive standard / reversing fan drive optional			
<b>Powertrain</b>				
Type	Hydrostatic-manual or electrohydraulic; 4 – 80 heavy-duty (HD) continuous-loop chain			
Travel Speeds				
Single Speed, Standard	11.1 km/h (6.9 mph)			
2 Speed, High, Optional	17.9 km/h (11.1 mph)			
<b>Axles</b>	Induction-hardened, 1-piece forged axle shafts with maintenance-free oil-bath lubrication of inner and outer axle bearings			
Maximum Axle Torque	6771 Nm (4,994 lb.-ft.)			
Tractive Effort	3220 kgf (7,491 lbf)			
<b>Final Drive</b>	High-strength, adjustment-free chains			
<b>Brakes</b>	Integral, automatic, spring-applied, hydraulically released, wet-disc park brake			
<b>Hydraulics</b>	<b>320G</b>			<b>324G</b>
Pump Flow				
Standard	78 L/m (21 gpm)		78 L/m (21 gpm)	
Total with High-Flow Option	112 L/m (30 gpm)		120 L/m (32 gpm)	
System Pressure at Couplers	22 408 kPa (3,250 psi)		23 787 kPa (3,450 psi)	
Hydraulic Horsepower Flow (calculated)				
Standard	29 kW (39 hp)		31 kW (42 hp)	
High Flow	42 kW (56 hp)		47 kW (64 hp)	
Auxiliary Hydraulics	Connect-under-pressure with flat-faced couplers		Connect-under-pressure with flat-faced couplers	
<b>Cylinders</b>	<b>320G / 324G</b>			
Type	John Deere heat-treated, chrome-plated polished cylinder rods, hardened steel (replaceable bushings) pivot pins			
<b>Electrical</b>				
Voltage	12 volt			
Battery Capacity	750 CCA standard / 925 CCA optional			
Alternator Rating	75 amp			
Lights	Halogen: 2 front and 1 rear standard / deluxe LED (4 front and 1 rear) optional			
<b>Operator's Station</b>				
	ROPS (ISO 3471) / FOPS (ISO 3449) structure with quick-pivot standard			
<b>Tires/Wheels</b>				
Standard Tire Size	12 x 16.5 12 PR SKS			
<b>Serviceability</b>				
<b>Refill Capacity</b>				
Fuel Tank	79 L (21 gal.)			
<b>Operating Weights</b>	<b>320G</b>			<b>324G</b>
	EPA Final Tier 4/EU Stage IV and EPA Interim Tier 4/EU Stage IIIA		EPA Final Tier 4/EU Stage IV and EPA Interim Tier 4/EU Stage IIIA	
Base Machine	3246 kg (7,150 lb.)		3496 kg (7,700 lb.)	

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Machine Dimensions	320G	324G
<b>A</b> Length without Bucket	2.85 m (112.3 in.) (9 ft. 4 in.)	2.85 m (112.3 in.) (9 ft. 4 in.)
<b>B</b> Length		
With Foundry Bucket	3.46 m (136.3 in.) (11 ft. 4 in.)	3.46 m (136.3 in.) (11 ft. 4 in.)
With Construction Bucket	3.71 m (146.1 in.) (12 ft. 2 in.)	3.71 m (146.1 in.) (12 ft. 2 in.)
<b>C</b> Width without Bucket	1.70 m (67.0 in.) (5 ft. 7 in.)	1.70 m (67.0 in.) (5 ft. 7 in.)
<b>D</b> Height to Top of ROPS	2.06 m (81.1 in.) (6 ft. 9 in.)	2.06 m (81.1 in.) (6 ft. 9 in.)
<b>E</b> Height to Hinge Pin	3.10 m (122.2 in.) (10 ft. 2 in.)	3.20 m (126.0 in.) (10 ft. 6 in.)
<b>F</b> Dump Height		
With Foundry Bucket	2.48 m (97.7 in.) (8 ft. 2 in.)	2.59 m (102.1 in.) (8 ft. 6 in.)
With Construction Bucket	2.31 m (91.0 in.) (7 ft. 7 in.)	2.43 m (95.5 in.) (8 ft. 0 in.)
<b>G</b> Dump Reach		
With Foundry Bucket	0.74 m (29.2 in.)	0.76 m (29.9 in.)
With Construction Bucket	0.93 m (36.4 in.) (3 ft. 0 in.)	0.95 m (37.3 in.) (3 ft. 1 in.)
<b>H</b> Wheelbase	1.12 m (44.2 in.) (3 ft. 8 in.)	1.12 m (44.2 in.) (3 ft. 8 in.)
<b>I</b> Ground Clearance	0.24 m (9.3 in.)	0.24 m (9.3 in.)
<b>J</b> Angle of Departure	28 deg.	28 deg.
<b>K</b> Front Turn Radius with Foundry Bucket	2.02 m (79.6 in.) (6 ft. 8 in.)	2.02 m (79.6 in.) (6 ft. 8 in.)
<b>L</b> Dump Angle (full lift height)	43 deg.	41 deg.
<b>M</b> Bucket Rollback (ground level)	33 deg.	34 deg.

## 320G / 324G SKID STEERS



Loader Performance	320G	324G
	<i>EPA Final Tier 4/EU Stage IV and EPA Interim Tier 4/EU Stage IIIA</i>	<i>EPA Final Tier 4/EU Stage IV and EPA Interim Tier 4/EU Stage IIIA</i>
Tipping Load	1989 kg (4,380 lb.)	2443 kg (5,380 lb.)
SAE Rated Operating Capacity	994 kg (2,190 lb.)	1221 kg (2,690 lb.)
With Counterweight	1067 kg (2,350 lb.)	1294 kg (2,850 lb.)
Boom Breakout Force		
With Foundry Bucket	1692 kg (3,725 lb.)	2384 kg (5,250 lb.)
With Construction Bucket	1589 kg (3,500 lb.)	2157 kg (4,750 lb.)
Bucket Breakout Force		
With Foundry Bucket	2724 kg (6,000 lb.)	3973 kg (8,750 lb.)
With Construction Bucket	1905 kg (4,200 lb.)	2724 kg (6,000 lb.)

# Additional equipment

Key: ● Standard ▲ Optional or special

See your John Deere dealer for further information.

320G	324G	330G	332G	Engine
●	●	●	●	Meets EPA Final Tier 4/EU Stage IV emissions
▲	▲			Meets EPA Interim Tier 4/EU Stage IIIA emissions
		▲	▲	Meets EPA Interim Tier 4/EU Stage IIIB emissions
●				Yanmar 4TNV98C
▲	●			Yanmar 4TNV98CT
▲	▲			Yanmar 4TNV98T
		●	●	Yanmar 4TNV94FHT
		▲	▲	Yanmar 4TNV94CHT
●	●	●	●	Auto-idle
●	●	●	●	Automatic fan tensioner
●	●	●	●	Automatic preheat
●	●	●	●	Electronic injection system
▲	▲	▲	▲	Engine air precleaner kit
●	●			Fuel tank, 79 L (21 gal.)
		●	●	Fuel tank, 96.5 L (25.5 gal.)
●	●	●	●	John Deere COOL-GARD™ II Extended-Life Engine Coolant
●	●	●	●	John Deere Plus-50™ 10w30 initial engine oil fill <sup>6</sup>
●				4-cylinder 51.7 kW (69 gross hp)/ 49.4 kW (66 net hp), 3.3-L (203 cu. in.) displacement
	●			4-cylinder 55.0 kW (74 gross hp)/ 52.5 kW (70 net hp), 3.3-L (203 cu. in.) displacement
		●		4-cylinder 68.0 kW (91.2 gross hp)/ 66.0 kW (88.5 net hp), 3.1-L (186.3 cu. in.) displacement
		●		4-cylinder 74.6 kW (100 gross hp)/ 72.0 kW (96.6 net hp), 3.1-L (186.3 cu. in.) displacement
●	●	●	●	5-micron primary fuel filter and water separator
▲	▲	▲	▲	Cold-weather starting package
<b>Cooling System</b>				
●	●	●	●	Coolant surge tank
●	●	●	●	Variable-speed hydraulically driven fan cooling system
▲	▲	▲	▲	Reversing fan drive
<b>Powertrain</b>				
●	●	●	●	High-strength adjustment-free final-drive chains
●	●	●	●	Automatic spring-applied hydraulically released wet-disc park brake
●	●	●	●	Wet-disc brakes
●	●			Transmission, single speed
▲	▲	●	●	Transmission, 2 speed
<b>Hydraulic System</b>				
●	●	●	●	John Deere hydraulic cylinders with cushioned boom cylinders
●	●	●	●	John Deere heat-treated, chrome-plated cylinder rods with replaceable bushings
●	●	●	●	Connect-under-pressure auxiliary couplers
●	●	●	●	Quick-check hydraulic fluid-level sight glass
●	●	●	●	1,000-hour, 5-micron hydraulic filter
▲	▲	▲	▲	High-flow hydraulics
●	●	●	●	Axial-piston hydrostatic pump

320G	324G	330G	332G	Electrical
●	●	●	●	Automatic engine/hydraulic shutdown protection system
●	●	●	●	Auxiliary hydraulics operator-presence system
●	●	●	●	Courtesy lighting
●	●	●	●	Deluxe instrumentation EMU with: Operator-selectable monitoring – Hour meter, engine rpm, battery voltage, diagnostics, EMU configuration, engine coolant temperature, hydraulic oil temperature / LED warning indicators – Glow plug, seat switch, seat belt, door open, auxiliary hydraulics, park brake engaged, 2-speed engaged, stop, low engine oil pressure, engine coolant over-temperature, battery not charging, air filter restriction, and hydraulic filter restriction
▲	▲	▲	▲	Deluxe LED lighting package with additional cab-integrated side lights (2)
●	●	●	●	Front and rear halogen work lights
●	●	●	●	Triple-interlock operator-presence control system
●	●	●	●	Backup alarm
●	●			Battery, 750 CCA
▲	▲	●	●	Battery, 925 CCA
▲	▲	▲	▲	Hazard warning lights
▲	▲	▲	▲	Strobe light, amber
●	●	●	●	Horn
<b>Operator's Station</b>				
●	●	●	●	Deluxe cab headliner
▲	▲	●	●	Electrohydraulic (EH) ISO-pattern joystick controls
▲	▲	▲	▲	ISO-H switchable joystick controls and EH joystick performance package*
●	●			Mechanical foot controls
		▲	▲	EH 4-way switchable controls include EH foot control, ISO joystick control, H-pattern joystick control, and ISO and foot controls
		▲	▲	ISO controls with programmable detents and EH boom performance package; <sup>1</sup> also includes EH joystick performance package*
		▲	▲	Onboard grade indication: Grade-control option delivers onboard readout within LCD monitor that provides slope of blade (cross-slope direction) and mainfall (fore/aft direction) within ±0.5-percent accuracy
▲	▲	▲	▲	Keyless-start sealed-switch module with integrated anti-theft system and operator memory preference settings
●	●	●	●	Electronic push-button auxiliary controls
●	●	●	●	Pull-down adjustable lap bar
●	●	●	●	Quick-pivot ROPS
●	●	●	●	Rear window
●	●	●	●	Removable top window
▲	▲	▲	▲	Sliding/locking/removable glass side windows

320G	324G	330G	332G	Operator's Station (continued)
●	●	●	●	ROPS/FOPS operator structure
▲	▲	▲	▲	Glass cab enclosure
●	●	●	●	Seat belt, 51 mm (2 in.), retractable
▲	▲	▲	▲	Shoulder belt, 51 mm (2 in.) or 76 mm (3 in.)
▲	▲	▲	▲	Severe-duty cab door and wiper system
●	●	●	●	Water-shedding deluxe vinyl suspension seat
▲	▲	▲	▲	Deluxe vinyl suspension seat
▲	▲	▲	▲	Air-ride cloth, heated seat
▲	▲	▲	▲	Air-ride vinyl seat
●	●	●	●	12-volt power port / Dome light / Cargo storage / Beverage holder
▲	▲	▲	▲	Air conditioning with heater/defroster
▲	▲	▲	▲	AM/FM radio with auxiliary input and Bluetooth® for audio streaming
▲	▲	▲	▲	Floor mat with left footrest
●	●	●	●	Rearview mirror
▲	▲	▲	▲	Rearview camera
<b>Loader</b>				
●	●	●	●	In-cab boom lockout to secure loader before exiting seat
●	●	●	●	Patented John Deere Quik-Tatch™ (no grease required)
▲	▲	▲	▲	Power Quik-Tatch
●	●	●	●	Patented John Deere vertical-lift boom
▲	▲	▲	▲	Hydraulic self-leveling on/off and ride control
<b>Other</b>				
●	●	●	●	Convenient front and rear tie-downs
●	●	●	●	Environmental drains for all fluid reservoirs
			▲	12 x 16.5 8 PR SKS Extra Wall Heavy Duty
			▲	12 x 16.5 10 PR Extra Wall
●	●			12 x 16.5 12 PR SKS
		●	▲	14 x 17.5 12 PR Extra Wall
		▲	●	14 x 17.5 14 PR Hauler
▲	▲	▲	▲	Chrome exhaust stack
▲	▲	▲	▲	Engine oil/hydraulic fluid-sampling kit
▲	▲	▲	▲	Forestry protection packages
▲	▲	▲	▲	Heavy-duty rear grille
▲	▲	▲	▲	Rear counterweights (available in sets of 1, 2, or 3), 78 kg (172 lb.) (each set)
▲	▲	▲	▲	Single-point lift kit
▲	▲	▲	▲	SMV sign kit
▲	▲	▲	▲	Spare tire and wheel
▲	▲	▲	▲	Tire options: SKS Extra-Wall, Galaxy Beefy Baby III, Galaxy Hulk, and Brawler Solid-Flex
▲	▲	▲	▲	JDLink™ wireless communication system (available in specific countries; see your dealer for details)

<sup>6</sup>500-hour engine oil-change intervals when John Deere Plus-50 oil and John Deere oil filter are used.

\*EH joystick performance package features switchable accelerator/decelerator, selectable propel speeds, creep control, boom- and bucket-speed settings, and 12-volt 3- and 14-pin attachment-control harness with dash-mounted 4th-function rocker switch.

<sup>1</sup>EH boom performance package features include EH bucket self-level up and down, return to dig, return to carry, and boom-height kick-out.

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J1349 and DIN 6270B, using No. 2-D fuel at 35 API gravity. Gross power is without cooling fan. Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on units with standard equipment, full fuel tanks, and 79-kg (175-lb.) operator.

