320G

Skid Steer

JOHN DEERE





TAKE IT ALL IN STRIDE

Over the years, we've relied on owners and operators like you to weigh in on what makes our equipment work for the work you do. Inspired — and challenged — by what you pointed out, we've reimagined our compact 320G Skid Steer in some pretty big ways. We added more power under the hood. Maximized lift height, dump clearance, reach, stability, and breakout force. And amped-up the options to include LED side lighting, rearview camera, ride control, and high-flow auxiliary hydraulics. All so you can effortlessly tackle your toughest tasks and come back for more.



FEATURES



It's easy to take control
Electrohydraulic (EH) ISO-pattern joystick controls that allow customized machine operations based on operator preference are standard on the 320G.

Power lifter
Vertical-lift boom combines height and reach at the top of the lift path with outstanding stability, making the 320G ideal for stacking and truck-loading applications.

Load warrior
Height to hinge pin of just over 10 feet enables the 320G to easily load tandem-axle dump trucks, fill hoppers, and feed mixers. Additional reach to truck-bed height comes in handy for moving pallets of pavers or other weighty materials.

The force factor
Extreme pushing power and bucket breakout forces deliver the tractive effort and leverage to carve out clay, handle heavy loads, and plow through piles.

Get in the speed zone
Standard two-speed transmission delivers travel speeds of up to 12 miles per hour, for rapid work cycles that push productivity even further.

Packed for productivity
Low center of gravity, 33-degree bucket rollback, optional ride control, and optional hydraulic self-leveling help keep forks loaded and buckets full. Add capacity with up to three sets of rear counterweights.

Big ideas that deliver
Large cab entryway with swing-out door, generous foot- and legroom, sealing and pressurization to minimize dust and noise, and adjustable high-back sculpted seat optimize operator comfort. Overhead panel conveniently puts machine data on the left and control switches on the right. Easy-to-read LCD monitor reveals a wealth of vital operating info and advanced diagnostics.

Seeing is believing
Clear sightlines to the cutting edge and bucket corners, above and below the lift arms, and the jobsite ahead and behind instill confidence in close quarters. Optional LED side lighting and rearview camera further enhance visibility.

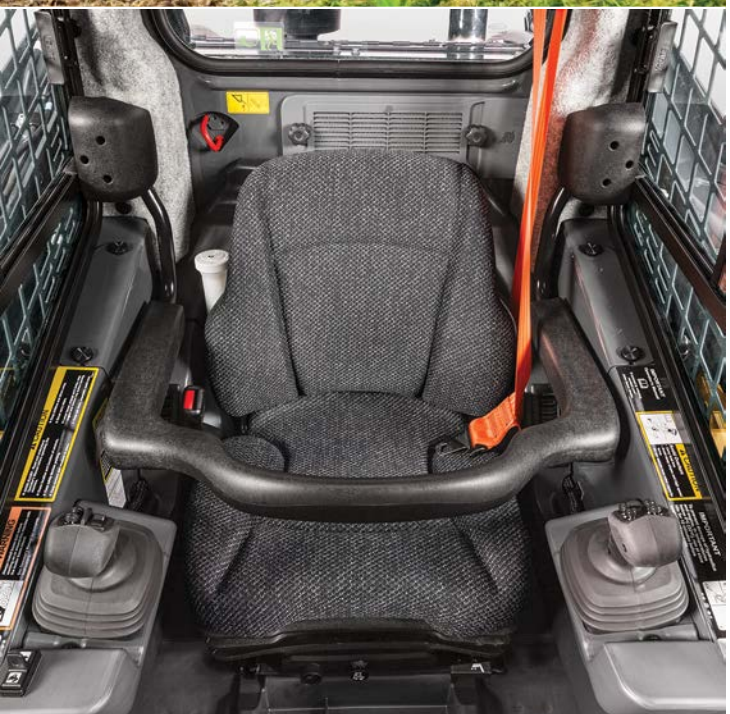
Within easy reach
Tilt the hood up for convenient ground-level access to the dipstick, filters, and fuel and fluid fills. Neat freaks and rental yards can appreciate the convenient cab-footwell access that helps speed cleaning.

Work your connections
Equip your skid steer with your choice of over 100 available John Deere attachments to expand the flexibility of your operation. Increased auxiliary hydraulic flow and power compared to previous models boosts attachment performance. Add a snow blower, snow pusher, or angle broom to make quick work of winter's white stuff.











SWITCHING ATTACHMENTS ENABLES VERSATILITY IN ANY WEATHER OR SEASON

Safety first
Standard personal-protection features include in-cab-activated boom lock and triple-interlock system that detects the presence of the operator to help keep harm's way at bay.

Remote diagnostics and support
To maximize uptime and lower costs, JDLink™ connectivity provides machine location, utilization data, and alerts to help you maximize productivity and efficiency. JDLink also enables John Deere Connected Support™. Dealers use Expert Alerts based on data from thousands of connected machines to proactively address conditions that may otherwise likely lead to downtime. Your dealer can also monitor machine health and leverage remote diagnostics and programming capability to further diagnose problems and even update machine software without a time-consuming trip to the jobsite.*

*Availability varies by region. Options not available in every country.

320G *SKID STEER SPECIFICATIONS*

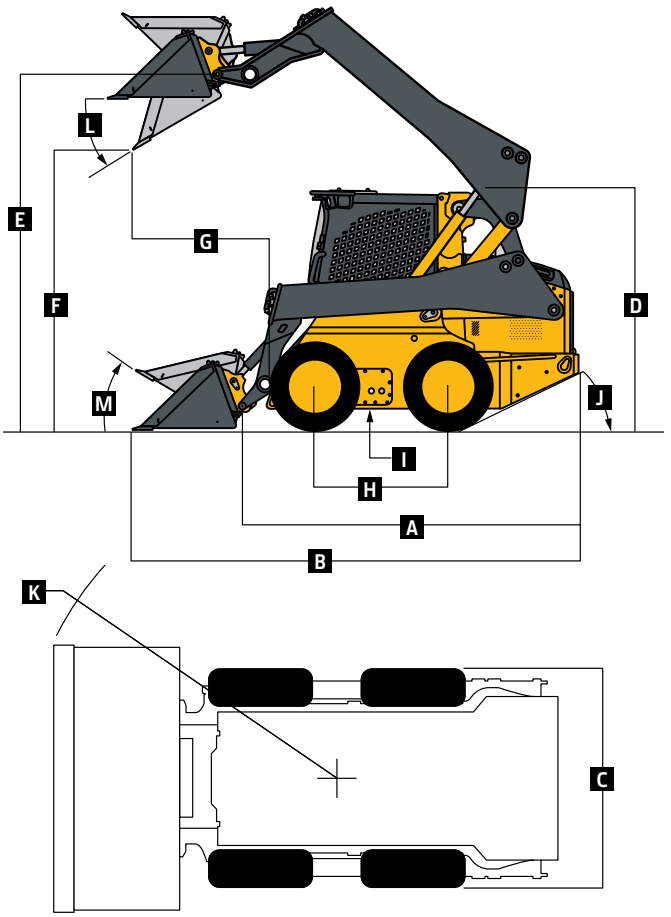
Engine	320G	
Manufacturer and Model	Yanmar 4TNV98C (optional 4TNV98CT)	Yanmar 4TNV98T
Non-Road Emission Standard	EPA Final Tier 4 (FT4)/ EU Stage IV	EPA Interim Tier 4 (IT4)/EU Stage IIIA
Cylinders	4	4
Gross Rated Power (ISO 14396)	51.7 kW (69 hp) at 2,500 rpm	
Net Peak Power (SAE J1349 / ISO 9249)	49.4 kW (66 hp) at 2,500 rpm	
Peak Torque	241 Nm (178 lb.-ft.) at 1,625 rpm	
Displacement	3.3 L (203 cu. in.)	3.3 L (203 cu. in.)

Manufacturer and Model *(continued)*	Yanmar 4TNV98C (optional 4TNV98CT)	Yanmar 4TNV98T
Non-Road Emission Standard *(continued)*	EPA FT4/EU Stage IV	EPA IT4/EU Stage IIIA
Rated Engine Speed	2,500 rpm	2,500 rpm
Torque Rise	22% at 1,625 rpm	22% at 1,625 rpm
Aspiration	Naturally aspirated (optional turbocharger)	Turbocharged
Air Cleaner	Dry dual element	Dry dual element

Cooling	
Fan Type	Variable-speed hydraulic drive standard / reversing fan drive optional
Powertrain	
Type	Hydrostatic-manual or electrohydraulic; 4 – 80 heavy-duty (HD) continuous-loop chain
Travel Speed, 2 Speed, High, Standard	19.3 km/h (12 mph)
Axles	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)
Final Drive	High-strength, adjustment-free chains
Brakes	Integral, automatic, spring-applied, hydraulically released, wet-disc park brake

Hydraulics			
Pump Flow		Hydraulic Horsepower Flow (calculated)	
Standard	78 L/m (21 gpm)	Standard	29 kW (39 hp)
Total With High-Flow Option	112 L/m (30 gpm)	High Flow	42 kW (56 hp)
System Pressure at Couplers	22 408 kPa (3,250 psi)	Auxiliary Hydraulics	Connect-under-pressure with flat-faced couplers

Cylinders	
Type	John Deere heat-treated, chrome-plated polished cylinder rods, hardened steel (replaceable bushings) pivot pins
Electrical	
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
Operator's Station	
ROPS (ISO 3471) / FOPS (ISO 3449) structure with quick-pivot standard	
Tires/Wheels	
Standard Tire Size	12 x 16.5 12 PR SKS
Serviceability	
Refill Capacity	
Fuel Tank	79 L (21 gal.)
Operating Weights	
Base Machine	3246 kg (7,150 lb.)
Machine Dimensions	
A Length Without Bucket	2.85 m (112.3 in.) (9 ft. 4 in.)
B Length	
With Foundry Bucket	3.46 m (136.3 in.) (11 ft. 4 in.)
With Construction Bucket	3.71 m (146.1 in.) (12 ft. 2 in.)
C Width Without Bucket	1.70 m (67.0 in.) (5 ft. 7 in.)
D Height to Top of ROPS	2.06 m (81.1 in.) (6 ft. 9 in.)
E Height to Hinge Pin	3.10 m (122.2 in.) (10 ft. 2 in.)
F Dump Height	
With Foundry Bucket	2.48 m (97.7 in.) (8 ft. 2 in.)
With Construction Bucket	2.31 m (91.0 in.) (7 ft. 7 in.)
G Dump Reach	
With Foundry Bucket	0.74 m (29.2 in.)
With Construction Bucket	0.93 m (36.4 in.) (3 ft. 0 in.)
H Wheelbase	1.12 m (44.2 in.) (3 ft. 8 in.)
I Ground Clearance	0.24 m (9.3 in.)
J Angle of Departure	28 deg.
K Front Turn Radius With Foundry Bucket	2.02 m (79.6 in.) (6 ft. 8 in.)
L Dump Angle (full lift height)	43 deg.
M Bucket Rollback (ground level)	33 deg.



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Loader Performance	320G		
Tipping Load	1989 kg (4,380 lb.)	Boom Breakout Force *(continued)*	
SAE Rated Operating Capacity	994 kg (2,190 lb.)	With Construction Bucket	1589 kg (3,500 lb.)
With Counterweight	1067 kg (2,350 lb.)	Bucket Breakout Force	
Boom Breakout Force		With Foundry Bucket	2724 kg (6,000 lb.)
With Foundry Bucket	1692 kg (3,725 lb.)	With Construction Bucket	1905 kg (4,200 lb.)

Additional equipment

Key: ● Standard ▲ Optional or special — See your John Deere dealer for further information.

320G	Engine
●	Meets EPA Final Tier 4/EU Stage IV emissions
▲	Meets EPA Interim Tier 4/EU Stage IIIA emissions
●	Yanmar 4TNV98C
▲	Yanmar 4TNV98T
●	Auto-idle
●	Automatic fan tensioner
●	Automatic preheat
●	Electronic injection system
▲	Engine air precleaner kit
●	Fuel tank, 79 L (21 gal.)
●	John Deere COOL-GARD™ II Extended-Life Engine Coolant
●	John Deere Plus-50™ 10w30 initial engine oil fill[ß]
●	4-cylinder 51.7 kW (69 gross hp)/49.4 kW (66 net hp), 3.3-L (203 cu. in.) displacement
●	5-micron primary fuel filter and water separator
▲	Cold-weather starting package
	Cooling System
●	Coolant surge tank
●	Variable-speed hydraulically driven fan cooling system
▲	Reversing fan drive
	Powertrain
●	High-strength adjustment-free final-drive chains
●	Automatic spring-applied hydraulically released wet-disc park brake
●	Wet-disc brakes
●	Transmission, 2 speed
	Hydraulic System
●	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
	Electrical
●	Automatic engine/hydraulic shutdown protection system
●	Auxiliary hydraulics operator-presence system

320G	Electrical *(continued)*
●	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
	Operator's Station
●	Deluxe cab headliner
●	Electrohydraulic (EH) ISO-pattern joystick controls
▲	ISO-H switchable joystick controls and EH joystick performance package*
●	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
●	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

320G	Operator's Station *(continued)*
▲	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
	Loader
●	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
▲	Ride control
	Other
●	Convenient front and rear tie-downs
●	Environmental drains for all fluid reservoirs
●	12 x 16.5 12 PR SKS
▲	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)

[ß]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.*

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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. No derating is required up to 3050-m (10,000 ft.) altitude. 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 a unit with standard equipment, full fuel tank, and 79-kg (175-lb.) operator.



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