

320 P

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 designed our compact 320 P-Tier Skid Steer to excel 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.

320 P-TIER SKID STEER

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 320 P-Tier.

Power lifter

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

Load warrior

Height to hinge pin of just over 10 feet enables the 320 P-Tier 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 11 miles per hour, for rapid work cycles that push productivity.



EH JOYSTICK CONTROLS
ALLOW MULTIPLE OPERATORS TO
CUSTOMIZE MACHINE SETTINGS

Packed for productivity

Low center of gravity, 32-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.



320 P-TIER SKID STEER



**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.

Connected machines

John Deere construction equipment comes with in-base **JDLINK™ connectivity — standard from the factory** and free from subscriptions or annual renewals. Analyze critical machine data, track utilization and location, review diagnostic alerts, and more from **the John Deere Operations Center™**. The Operations Center also enables John Deere Connected Support™, which uses data from thousands of connected machines to help proactively address issues. With your approval, your dealer or preferred service provider can also remotely monitor machine health, diagnose problems, and even update machine software without a trip to the jobsite.*

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



320 P-TIER SKID STEER SPECIFICATIONS

Engine		320 P-TIER
Manufacturer and Model	Yanmar 4TNV98C (optional 4TNV98CT)	Yanmar 4TNV98T
Non-Road Emission Standard	Certified EPA Final Tier 4 (FT4)/EU Stage IV emissions	Conforms to UN R96 (EPA Interim Tier 4 (IT4)/EU Stage IIIA equivalent)
Cylinders	4	4
Net Power (SAE J1349 / ISO 9249)	49.4 kW (66 hp) at 2,500 rpm	49.4 kW (66 hp) at 2,500 rpm
Rated Gross Power (ISO 14396)	51.7 kW (69 hp) at 2,500 rpm	51.7 kW (69 hp) at 2,500 rpm
Peak Torque	241 Nm (178 lb.-ft.) at 1,625 rpm	241 Nm (178 lb.-ft.) at 1,625 rpm
Displacement	3.3 L (203 cu. in.)	3.3 L (203 cu. in.)
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		EPA FT4/EU Stage IV / UN R96 (IT4/EU Stage IIIA)
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 Speeds		
2 Speed, Low	9.5 km/h (5.9 mph)	
2 Speed, High	17.9 km/h (11.1 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	3283 kgf (7,239 lbf)	
Final Drive	High-strength, adjustment-free chains	
Brakes	Integral, automatic, spring-applied, hydraulically released, wet-disc park brake	
Hydraulics		
Pump Flow		
Standard	78 L/m (21 gpm)	
Total With High-Flow Option	112 L/m (30 gpm)	
System Pressure at Couplers	22 408 kPa (3,250 psi)	
Hydraulic Horsepower Flow (calculated)		
Standard	29 kW (39 hp)	
High Flow	42 kW (56 hp)	
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		
Standard	Halogen: 2 front and 1 rear	
Deluxe (optional)	LED: 4 front and 1 rear	

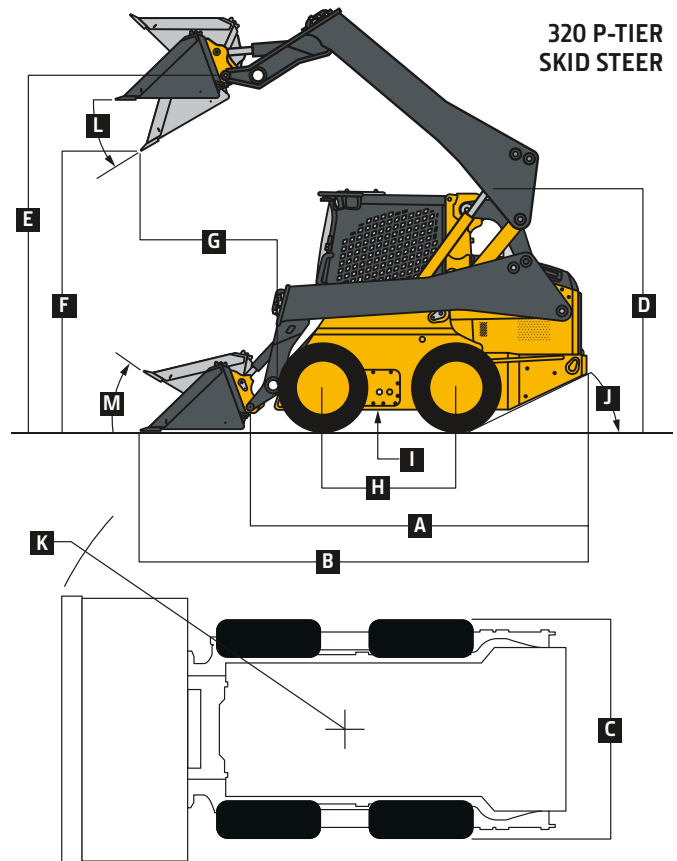
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320 P-TIER SKID STEER SPECIFICATIONS

320

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Operator's Station		320 P-TIER
		<i>EPA FT4/EU Stage IV / UN R96 (IT4/EU Stage IIIA)</i>
ROPS (ISO 3471) / FOPS (ISO 3449) structure with quick-pivot standard		
Tires/Wheels		
Standard Tire Size		12 x 16.5 12 PR Camso SKS
Serviceability		
Refill Capacity		
Fuel Tank		79 L (21 gal.)
Operating Weights		
Base Machine Without Attachment		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 With Edge		3.74 m (147.2 in.) (12 ft. 3 in.)
C Width Without Bucket		1.77 m (69.5 in.) (5 ft. 10 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 With 12 x 16.5 PR Camso SKS		0.21 m (8.1 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)		32 deg.
Loader Performance		
Tipping Load		1989 kg (4,380 lb.)
SAE Rated Operating Capacity		994 kg (2,190 lb.)
With Counterweight		1067 kg (2,350 lb.)
Boom Breakout Force		
With Foundry Bucket		1589 kg (3,500 lb.)
With Construction Bucket		1453 kg (3,200 lb.)
Bucket Breakout Force		
With Foundry Bucket		2724 kg (6,000 lb.)
With Construction Bucket		1905 kg (4,200 lb.)



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