



320G / 324G SPECIFICATIONS

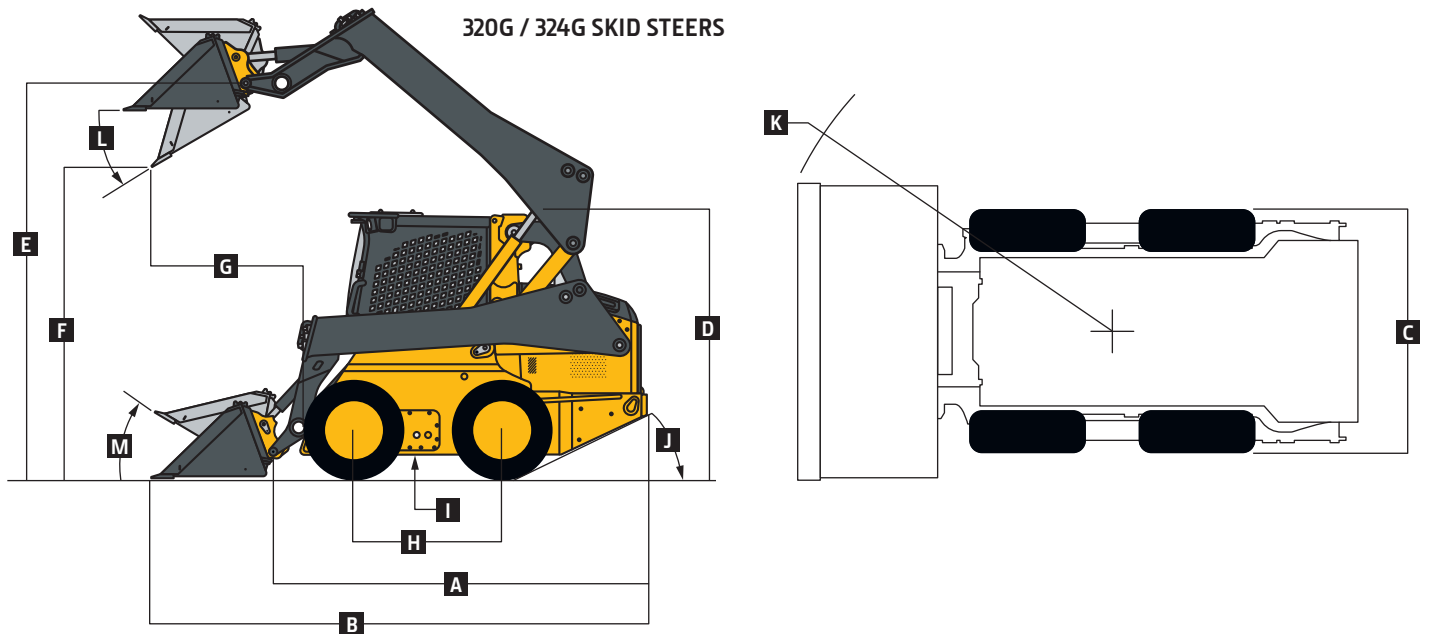
Engine	320G		324G	
Manufacturer and Model	Yanmar 4TNV98C (optional 4TNV98CT)	Yanmar 4TNV98T	Yanmar 4TNV98CT	Yanmar 4TNV98T
Non-Road Emission Standard	EPA Final Tier 4/ EU Stage IV	EPA Interim Tier 4/ EU Stage IIIA	EPA Final Tier 4/ EU Stage IV	EPA Interim Tier 4/ EU Stage IIIA
Cylinders	4	4	4	4
Gross 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
Cooling	320G / 324G			
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				
Single Speed, Standard	11.1 km/h (6.9 mph)			
2 Speed, High, Optional	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	3220 kgf (7,491 lbf)			
Final Drive	High-strength, adjustment-free chains			
Brakes	Integral, automatic, spring-applied, hydraulically released, wet-disc park brake			
Hydraulics	320G			324G
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	
Cylinders	320G / 324G			
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	320G			324G
	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.)	

320G / 324G SPECIFICATIONS



Machine Dimensions	320G	324G
A Length without Bucket	2.85 m (112.3 in.) (9 ft. 4 in.)	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.)	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.)
C Width without Bucket	1.70 m (67.0 in.) (5 ft. 7 in.)	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.)	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.)	3.20 m (126.0 in.) (10 ft. 6 in.)
F 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.)
G 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.)
H Wheelbase	1.12 m (44.2 in.) (3 ft. 8 in.)	1.12 m (44.2 in.) (3 ft. 8 in.)
I Ground Clearance	0.24 m (9.3 in.)	0.24 m (9.3 in.)
J Angle of Departure	28 deg.	28 deg.
K 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.)
L Dump Angle (full lift height)	43 deg.	41 deg.
M 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.)