

G-SERIES
SMALL FRAMES



JOHN DEERE

318G

JESCO
THE DOWN-TO-EARTH EQUIPMENT PEOPLE™



**MORE CHOICES,
MORE ABILITY**



314G / 318G

SPECIFICATIONS

Engine	314G	318G
Manufacturer and Model	Yanmar 4TNV86CT	Yanmar 4TNV86CHT
Non-Road Emission Standard	EPA Final Tier 4/EU Stage IV	EPA Final Tier 4/EU Stage IV
Cylinders	4	4
Net Power (SAE J1349 / ISO 9249)	35.8 kW (48 hp) at 2,600 rpm	45.6 kW (61 hp) at 2,600 rpm
Gross Rated Power (ISO 14396)	37.8 kW (51 hp) at 2,600 rpm	48.5 kW (65 hp) at 2,600 rpm
Peak Torque	168 Nm (124 ft.-lb.) at 1,690 rpm	207 Nm (153 ft.-lb.) at 1,690 rpm
Displacement	2.1 L (128 cu. in.)	2.1 L (128 cu. in.)
Rated Engine Speed	2,600 rpm	2,600 rpm
Torque Rise	21% at 1,690 rpm	16% at 1,690 rpm
Aspiration	Turbocharged	Turbocharged
Air Cleaner	Dry dual element	Dry dual element
Cooling	314G / 318G	
Fan Type	Direct belt drive	
Powertrain	314G	318G
Type	Hydrostatic-manual; 4 – 80 heavy-duty (HD) continuous-loop chain	Hydrostatic-manual or electrohydraulic (EH); 4 – 80 HD continuous-loop chain
Speeds		
Single	10.8 km/h (6.7 mph)	11.1 km/h (6.9 mph)
2 Speed, High	—	16.3 km/h (10.1 mph)
Axles	Induction-hardened, one-piece forged axle shafts with maintenance-free oil-bath lubrication of inner and outer axle bearings	
Maximum Axle Torque	4664 Nm (3,440 lb.-ft.)	6459 Nm (4,764 lb.-ft.)
Tractive Effort	3318 kgf (5,655 lbf)	3552 kgf (7,831 lbf)
Final Drive	High-strength, adjustment-free chains	High-strength, adjustment-free chains
Brakes	Integral, automatic, spring-applied, hydraulically released, wet-disc park brake	
Hydraulics		
Pump Flow, Standard	63 L/m (17 gpm)	63 L/m (17 gpm)
System Pressure at Couplers	22 408 kPa (3,250 psi)	23 787 kPa (3,450 psi)
Hydraulic Horsepower Flow (calculated), Standard	23 kW (31 hp)	25 kW (33 hp)
Auxiliary Hydraulics	With flat-faced couplers	Optional connect-under-pressure with flat-faced couplers
Cylinders	314G / 318G	
Type	John Deere heat-treated, chrome-plated polished cylinder rods, hardened steel (replaceable bushings) pivot pins	
Electrical	314G	318G
Voltage	12 volt	12 volt
Battery Capacity	750 CCA standard / 925 CCA with optional cold weather start package	750 CCA standard / 925 CCA with optional cold weather start package
Alternator Rating	70 amp	70 amp with no air conditioning (A/C) / 90 amp with A/C
Lights		
Standard	Halogen: 2 front and 1 rear	Halogen: 2 front and 1 rear
Deluxe	—	LED: 2 front, 2 side, and 1 rear
Operator's Station	314G / 318G	
ROPS (ISO 3471) / FOPS (ISO 3449) structure with quick pivot standard		
Tires/Wheels		
Standard Tire Size	10 x 16.5	
Serviceability		
Refill Capacity		
Fuel Tank	71 L (19 gal.)	
Operating Weight	314G	318G
Base Machine	2788 kg (6,140 lb.)	2970 kg (6,542 lb.)

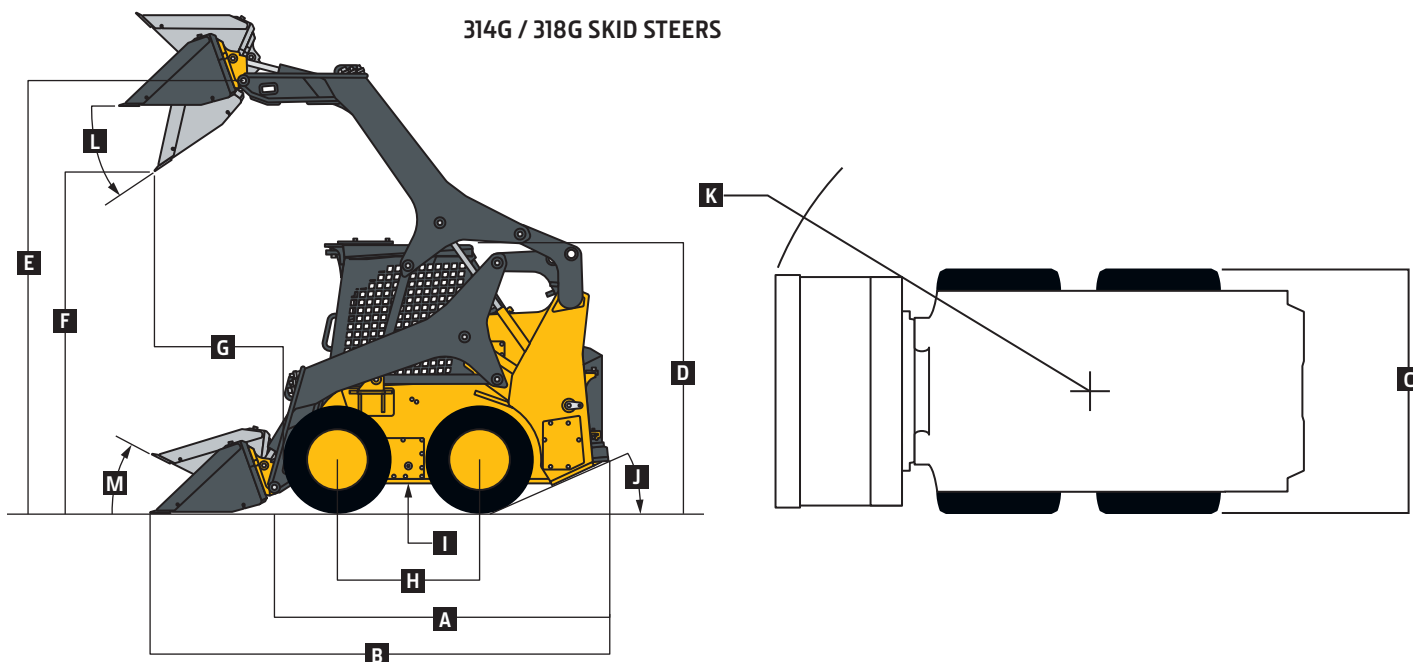
While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

314G / 318G

SPECIFICATIONS



Machine Dimensions		314G / 318G
A	Length Without Bucket	2.63 m (103.0 in.) (8 ft. 7 in.)
B	Length With Foundry Bucket	3.24 m (127.6 in.) (10 ft. 8 in.)
C	Width Without Bucket	1.60 m (62.9 in.) (5 ft. 3 in.)
D	Height to Top of ROPS	1.96 m (77.2 in.) (6 ft. 5 in.)
E	Height to Hinge Pin	3.05 m (120.0 in.) (10 ft. 0 in.)
F	Dump Height With Foundry Bucket	2.40 m (94.3 in.) (7 ft. 10 in.)
G	Dump Reach	
	With Foundry Bucket	0.86 m (34.0 in.)
	With Construction Bucket	1.05 m (41.3 in.) (3 ft. 5 in.)
H	Wheelbase	1.05 m (41.5 in.) (3 ft. 5 in.)
I	Ground Clearance	0.18 m (7.0 in.)
J	Angle of Departure	22.3 deg.
K	Front Turn Radius With Foundry Bucket	2.01 m (79.0 in.) (6 ft. 7 in.)
L	Dump Angle (full lift height)	42 deg.
M	Bucket Rollback (ground level)	30 deg.



Loader Performance		314G	318G
	Tipping Load	1598 kg (3,520 lb.)	1766 kg (3,890 lb.)
	SAE Rated Operating Capacity	799 kg (1,760 lb.)	883 kg (1,945 lb.)
	With Counterweight	863 kg (1,900 lb.)	951 kg (2,095 lb.)
	Boom Breakout Force		
	With Foundry Bucket	2043 kg (4,500 lb.)	2384 kg (5,250 lb.)
	With Construction Bucket	1816 kg (4,000 lb.)	2270 kg (5,000 lb.)
	Bucket Breakout Force		
	With Foundry Bucket	2270 kg (5,000 lb.)	2724 kg (6,000 lb.)
	With Construction Bucket	1589 kg (3,500 lb.)	1930 kg (4,250 lb.)

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Additional equipment

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

312GR SSL	314G SSL	316GR SSL	318G SSL	317G CTL	Engine
●	●	●	●	●	Meets EPA Final Tier 4/EU Stage IV emissions
●	●				Yanmar 4TNV86CT
		●	●	●	Yanmar 4TNV86CHT
●	●	●	●	●	Auto-idle
●	●	●	●	●	Automatic preheat
●	●	●	●	●	Electronic injection system
▲	▲	▲	▲	▲	Engine air precleaner kit
●	●	●	●	●	Fuel tank, 71 L (19 gal.)
●	●	●	●	●	John Deere COOL-GARD™ II Extended-Life Engine Coolant
●	●	●	●	●	John Deere Plus-50™ II 0W40 initial engine oil fill*
●	●				4-cylinder 37.8 kW (51 gross hp)/ 35.8 kW (48 net hp), 2.1-L (128 cu. in.) displacement
		●	●	●	4-cylinder 48.5 kW (65 gross hp)/ 45.6 kW (61 net hp), 2.1-L (128 cu. in.) displacement
●	●	●	●	●	5-micron primary fuel filter and water separator
▲	▲	▲	▲	▲	Cold-weather starting package with 925-CCA battery
Cooling System					
●	●	●	●	●	Coolant overflow bottle recovery tank
●	●	●	●	●	Direct belt-drive cooling fan system
●	●	●	●	●	No-tools-required swing-out oil cooler
Powertrain					
●	●	●	●		High-strength adjustment-free final-drive chains
				●	High-drive direct-drive motor
●	●	●	●	●	Automatic spring-applied hydraulically released wet-disc park brake
●	●	●	●	●	Transmission, single speed
		▲	▲		Transmission, 2 speed

312GR SSL	314G SSL	316GR SSL	318G SSL	317G CTL	Hydraulic System
●	●	●	●	●	John Deere heat-treated, chrome-plated cylinder rods with replaceable bushings
●	●				Flat-faced couplers
		▲	▲	●	Connect-under-pressure auxiliary couplers
●	●	●	●	●	Quick-check hydraulic fluid-level sight glass
●	●	●	●	●	1,000-hour, 5-micron hydraulic filter
●	●	●	●	●	Axial-piston hydrostatic pump
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, hydraulic filter restriction
		▲	▲	▲	Deluxe LED lighting package with additional side lights (2), front lights (2), and rear light (1)
●	●	●	●	●	Front and rear halogen work lights
●	●	●	●	●	Triple-interlock operator-presence control system
●	●	●	●	●	Backup alarm
●	●	●	●	●	Battery, 750 CCA
●	●	●	●	●	Horn

*500-hour engine oil-change intervals when John Deere Plus-50 II oil and John Deere oil filter are used.

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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. 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.

Additional equipment *(continued)*

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

312GR SSL	314G SSL	316GR SSL	318G SSL	317G CTL	Operator's Station
●	●	●	●	●	Deluxe cab headliner
▲	▲	▲	▲	▲	Keyless-start sealed-switch module with integrated anti-theft system
●	●	●	●	●	Pull-down adjustable lap bar
●	●	●	●	●	Quick-pivot ROPS
●	●	●	●	●	Rear window
●	●	●	●	●	Top window
●	●	●	●	●	Removable top window
▲	▲	▲	▲	▲	Vinyl cab enclosure
▲	▲	▲	▲	▲	Glass cab enclosure
▲	▲	▲	▲	▲	Sliding/locking/removable glass side windows
●	●	●	●	●	ROPS/FOPS operator structure
●	●	●	●	●	Seat belt, 51-mm (2-in.), retractable
▲	▲	▲	▲	▲	Seat belt, 76-mm (3-in.), retractable
▲	▲	▲	▲	▲	Shoulder belt
●	●	●	●	●	Water-shedding deluxe vinyl 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
▲	▲				Heater with defroster
▲	▲	▲	▲	▲	AM/FM radio with Bluetooth® for audio streaming
		▲	▲	●	Electrohydraulic (EH) ISO-pattern joystick controls
		▲	▲	▲	EH joystick performance package: Switchable ISO-H pattern / Creeper mode / Boom/bucket speed settings / Adjustable propel settings / Attachment controls
●	●	●	●		Manual foot and hand controls
▲	▲	▲	▲	▲	Floor mat with left footrest
●	●	●	●	●	Rearview mirror
▲	▲	▲	▲	▲	Severe-duty cab door and wiper system

312GR SSL	314G SSL	316GR SSL	318G SSL	317G CTL	Operator's Station <i>(continued)</i>
▲	▲	▲	▲	▲	Boom-mounted side mirrors
▲	▲	▲	▲	▲	Rearview camera
Loader					
●	●	●	●	●	In-cab boom lockout to secure loader before exiting seat
●	●	●	●	●	John Deere Quik-Tatch™
▲	▲	▲	▲	▲	Power Quik-Tatch
●		●			John Deere radial-lift boom
	●		●	●	John Deere vertical-lift boom
▲	▲	▲	▲	▲	Hydraulic self-leveling on/off
		▲	▲	▲	Hydraulic self-leveling on/off and ride control
Other					
●	●	●	●	●	Convenient front (1) and rear (2) tie-downs
●	●	●	●	●	Environmental drains for all fluid reservoirs
▲	▲	▲	▲		10 x 16.5 10 PR Galaxy "Beefy Baby III" heavy-duty (HD) tires for 1.52-m (60 in.) machine width
▲	▲	▲	▲		Tire options: SKS Xtra Wall, Galaxy Beefy Baby III, Galaxy Hulk, and Brawler Solid-Flex
				●	320-mm (12.6 in.) tracks, 1.73-m (68 in.) wide machine stance
				▲	320-mm (12.6 in.) tracks, 1.65-m (65 in.) narrow machine stance
				▲	400-mm (15.8 in.) tracks, 1.80-m (71 in.) wide machine stance
▲	▲	▲	▲	▲	Chrome exhaust stack
▲	▲	▲	▲	▲	Rear counterweights (2), 45.36 kg (100 lb.)
▲	▲	▲	▲	▲	Single-point lift kit
▲	▲	▲	▲	▲	SMV sign kit
▲	▲	▲	▲	▲	Spare tire and wheel
▲	▲	▲	▲	▲	JDLink™ wireless communication system (available in specific countries; see your dealer for details)

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