



# 314G / 318G

## SPECIFICATIONS

Engine	314G	318G
Manufacturer and Model	Yanmar 4TNV86CT	Yanmar 4TNV86CT
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
<b>Cooling</b>	<b>314G / 318G</b>	
Fan Type	Direct belt drive	
<b>Powertrain</b>	<b>314G</b>	<b>318G</b>
Type	Hydrostatic-manual; 4 – 80 heavy-duty (HD) continuous-loop chain	Hydrostatic-manual or electrohydraulic (EH); 4 – 80 heavy-duty (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)
<b>Axles</b>	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)
<b>Final Drive</b>	High-strength, adjustment-free chains	High-strength, adjustment-free chains
<b>Brakes</b>	Integral, automatic, spring-applied, hydraulically released, wet-disc park brake	
<b>Hydraulics</b>		
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
<b>Cylinders</b>	<b>314G / 318G</b>	
Type	John Deere heat-treated, chrome-plated polished cylinder rods, hardened steel (replaceable bushings) pivot pins	
<b>Electrical</b>	<b>314G</b>	<b>318G</b>
Voltage	12 volt	12 volt
Battery Capacity	750 CCA standard / 925 CCA optional	750 CCA standard / 925 CCA optional
Alternator Rating	70 amp	70 amp
<b>Lights</b>		
Standard	Halogen: 2 front and 1 rear	Halogen: 2 front and 1 rear
Deluxe	—	LED: 2 front, 2 side, and 1 rear
<b>Operator's Station</b>	<b>314G / 318G</b>	
	ROPS (ISO 3471) / FOPS (ISO 3449) structure with quick pivot standard	
<b>Tires/Wheels</b>		
Standard Tire Size	10 x 16.5	
<b>Serviceability</b>		
<b>Refill Capacity</b>		
Fuel Tank	71 L (19 gal.)	
<b>Operating Weight</b>	<b>314G</b>	<b>318G</b>
Base Machine	2867 kg (6,315 lb.)	2940 kg (6,475 lb.)

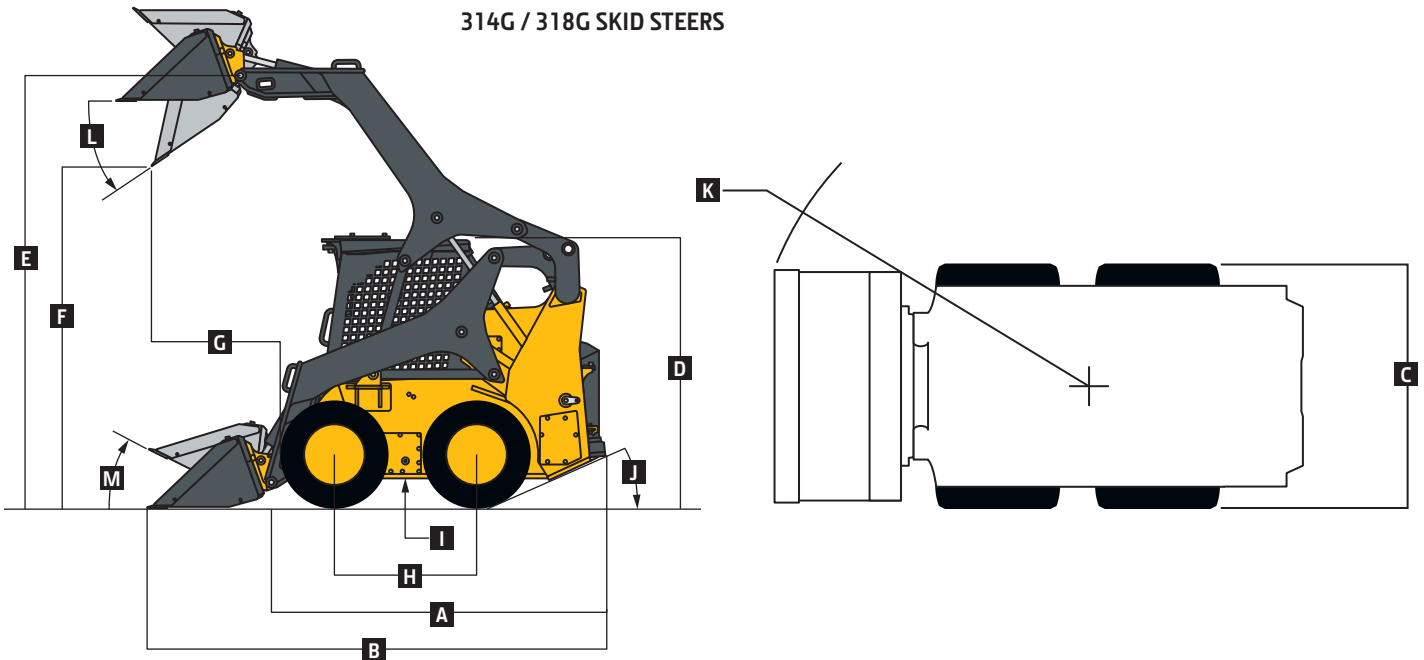
# 314G / 318G

## SPECIFICATIONS



Machine Dimensions	314G	318G
A Length without Bucket	2.63 m (103.0 in.) (8 ft. 7 in.)	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.)	3.24 m (127.6 in.) (10 ft. 8 in.)
C Width without Bucket	1.60 m (62.9 in.) (5 ft. 3 in.)	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.)	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.)	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.)	2.40 m (94.3 in.) (7 ft. 10 in.)
G Dump Reach		
With Foundry Bucket	0.86 m (34.0 in.)	0.86 m (34.0 in.)
With Construction Bucket	1.05 m (41.3 in.) (3 ft. 5 in.)	1.05 m (41.3 in.) (3 ft. 5 in.)
H Wheelbase	1.05 m (41.5 in.) (3 ft. 5 in.)	1.05 m (41.5 in.) (3 ft. 5 in.)
I Ground Clearance	0.18 m (7.0 in.)	0.18 m (7.0 in.)
J Angle of Departure	22.3 deg.	22.3 deg.
K Front Turn Radius with Foundry Bucket	2.01 m (79.0 in.) (6 ft. 7 in.)	2.01 m (79.0 in.) (6 ft. 7 in.)
L Dump Angle (full lift height)	42 deg.	42 deg.
M Bucket Rollback (ground level)	30 deg.	30 deg.

### 314G / 318G SKID STEERS



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.)



# 317G SPECIFICATIONS

<b>Engine</b>	<b>317G</b>
Manufacturer and Model	Yanmar 4TNV86CHT
Non-Road Emission Standard	EPA Final Tier 4/EU Stage IV
Cylinders	4
Net Power (SAE J1349 / ISO 9249)	45.6 kW (61 hp) at 2,600 rpm
Gross Rated Power (ISO 14396)	48.5 kW (65 hp) at 2,600 rpm
Peak Torque	207 Nm (153 ft.-lb.) at 1,690 rpm
Displacement	2.1 L (128 cu. in.)
Rated Engine Speed	2,600 rpm
Torque Rise	16% at 1,690 rpm
Aspiration	Turbocharged
Air Cleaner	Dry dual element
<b>Cooling</b>	
Fan Type	Direct belt drive
<b>Powertrain</b>	
Pump	Axial-piston hydrostatic
Motors	Axial-piston hydrostatic
Single Speed	11.3 km/h (7.0 mph)
Gearbox	High-drive double planetary reduction
<b>Brakes</b>	Integral, automatic, spring-applied, hydraulically released, wet-disc park brake
<b>Undercarriage</b>	
<b>Rubber Tracks</b>	Smooth-ride long-life rubber with steel inserts
Ground Pressure	
With Standard 320-mm (12.6 in.) Track	38 kPa (5.5 psi)
With Optional 400-mm (15.8 in.) Track	31 kPa (4.5 psi)
Track Rollers (per side)	4 triple-flange smooth-ride all-steel rollers
Track Idlers (per side)	1 double-flange and 1 single-flange smooth-ride all-steel rollers
Bearings/Seals (rollers/idlers)	Heavy-duty journal bearings and metal face seals
Tractive Effort	3632 kgf (8,000 lbf)
<b>Hydraulics</b>	
Type	3-spool open-center valve
Pump Flow, Standard	63 L/m (17 gpm)
System Pressure at Couplers	23 787 kPa (3,450 psi)
Hydraulic Horsepower (calculated)	25 kW (33 hp)
Auxiliary Hydraulics	Optional connect-under-pressure with flat-faced couplers
<b>Cylinders</b>	
Stroke	351 mm (13.8 in.)
<b>Electrical</b>	
Number of Batteries	1
Reserve Capacity	150 min. standard / 180 min. optional
Alternator Rating	70 amp
<b>Lights</b>	
Standard	Halogen: 2 front and 1 rear
Deluxe (optional)	LED: 2 front, 2 side, and 1 rear
<b>Operator's Station</b>	
ROPS (ISO 3471) / FOPS (ISO 3449) structure with quick pivot standard	

# 317G

## SPECIFICATIONS



**Serviceability** 317G

Refill Capacities	
Fuel Tank	71 L (19 gal.)
Cooling System	12 L (12.7 qt.)

**Operating Weights**

With Standard 320-mm (12.6 in.) Track	3721 kg (8,195 lb.)
With Optional 400-mm (15.8 in.) Track	3789 kg (8,345 lb.)

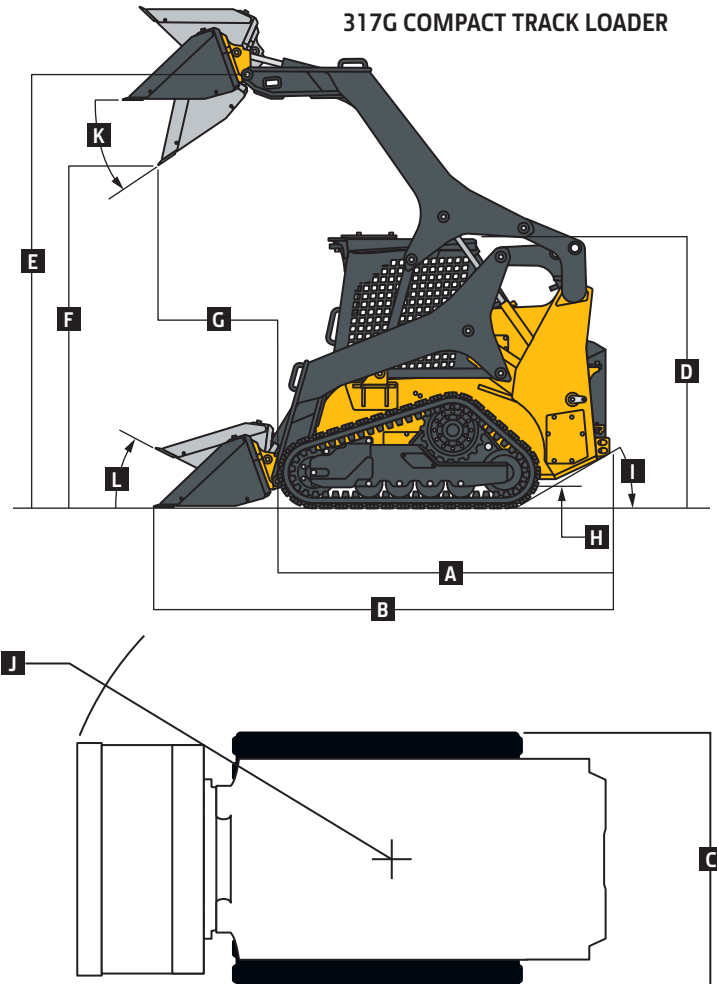
**Machine Dimensions**

<b>A</b> Length without Bucket	2.63 m (103.0 in.) (8 ft. 7 in.)
<b>B</b> Length	
With Foundry Bucket	3.24 m (127.6 in.) (10 ft. 8 in.)
With Construction Bucket	3.49 m (137.4 in.) (11 ft. 5 in.)
<b>C</b> Width without Bucket	
With Standard 320-mm (12.6 in.) Track	1.65 m (65.1 in.) (5 ft. 5 in.)
With Optional 400-mm (15.8 in.) Track	1.82 m (71.5 in.) (5 ft. 11 in.)
<b>D</b> Height to Top of ROPS	1.99 m (78.5 in.) (6 ft. 6 in.)
<b>E</b> Height to Hinge Pin	3.07 m (121.0 in.) (10 ft. 1 in.)
<b>F</b> Dump Height	
With Foundry Bucket	2.43 m (95.6 in.) (8 ft. 0 in.)
With Construction Bucket	2.26 m (89.0 in.) (7 ft. 5 in.)
<b>G</b> Dump Reach	
With Foundry Bucket	0.79 m (31.0 in.)
With Construction Bucket with Edge	0.98 m (38.6 in.) (3 ft. 3 in.)
<b>H</b> Ground Clearance	0.21 m (8.3 in.)
<b>I</b> Angle of Departure	32.3 deg.
<b>J</b> Front Turn Radius with Foundry Bucket	1.97 m (77.7 in.) (6 ft. 6 in.)
<b>K</b> Dump Angle (full lift height)	42 deg.
<b>L</b> Bucket Rollback (ground level)	30 deg.

**Loader Performance**

Tipping Load	2756 kg (6,070 lb.)
SAE Rated Operating Capacity	
At 35% Tipping Load	965 kg (2,125 lb.)
At 50% Tipping Load	1378 kg (3,035 lb.)
With Counterweight	1022 kg (2,250 lb.)
Boom Breakout Force	
With Foundry Bucket	2384 kg (5,250 lb.)
With Construction Bucket	2270 kg (5,000 lb.)
Bucket Breakout Force	
With Foundry Bucket	2724 kg (6,000 lb.)
With Construction Bucket	1930 kg (4,250 lb.)

317G COMPACT TRACK LOADER



# Additional equipment

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

312GR	314G	316GR	318G	317G	
SSL	SSL	SSL	SSL	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™ 10w30 initial engine oil fill*
●	●				4-cylinder 37.8-kW (51 hp) 2.1-L (128 cu. in.) displacement
		●	●	●	4-cylinder 48.5-kW (65 hp) 2.1-L (128 cu. in.) displacement
●	●	●	●	●	5-micron primary fuel filter and water separator
▲	▲	▲	▲	▲	Cold-weather starting package
<b>Cooling System</b>					
●	●				Coolant overflow bottle recovery tank
		●	●	●	Coolant surge tank
●	●	●	●	●	Direct belt-drive cooling fan system
●	●	●	●	●	No-tools-required swing-out oil cooler
<b>Powertrain</b>					
●	●	●	●		High-strength adjustment-free final-drive chains
				●	High-drive direct-drive motor
●	●	●	●		Automatic spring-applied hydraulically released wet-disc park brake
●	●	●	●		Wet-disc brakes
●	●	●	●	●	Transmission, single speed
		▲	▲		Transmission, 2 speed
<b>Hydraulic System</b>					
●	●	●	●	●	John Deere heat-treated, chrome-plated cylinder rods with replaceable bushings

312GR	314G	316GR	318G	317G	
SSL	SSL	SSL	SSL	CTL	Hydraulic System (continued)
▲	▲	▲	▲	▲	Connect-under-pressure auxiliary couplers
●	●	●	●	●	Quick-check hydraulic fluid-level sight glass
●	●	●	●	●	1,000-hour, 5-micron hydraulic filter
●	●	●	●	●	Axial-piston hydrostatic pump
<b>Electrical</b>					
●	●	●	●	●	Automatic engine/hydraulic shut-down 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 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
*500-hour engine oil-change intervals when John Deere Plus-50 oil and John Deere oil filter are used.					

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	314G	316GR	318G	317G	
SSL	SSL	SSL	SSL	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 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 auxiliary input
		▲	▲	●	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
▲	▲	▲	▲		Manual hands-only controls with foot throttle
▲	▲	▲	▲	▲	Floor mat with left footrest

312GR	314G	316GR	318G	317G	
SSL	SSL	SSL	SSL	CTL	Operator's Station <i>(continued)</i>
●	●	●	●	●	Rearview mirror
▲	▲	▲	▲	▲	Severe-duty cab door and wiper system
▲	▲	▲	▲	▲	Boom-mounted side mirrors
<b>Loader</b>					
●	●	●	●	●	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
<b>Other</b>					
●	●	●	●	●	Convenient front and rear 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

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