

G-SERIES  
**SMALL FRAMES**



JOHN DEERE

312GR / 314G / 316GR / 317G / 318G



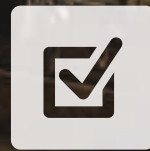
**MORE CHOICES,  
MORE ABILITY**



316GR

# PURPOSE-BU

INTRODUCING THE ALL-NEW  
**G-SERIES**



RELIABLE

+



PRODUCTIVE

**ILT** FOR **ALL** YOUR PURPOSES.



## ***YOUR INSPIRATION, OUR INNOVATION.***

Before hitting the G-Series drawing board, we hit the phones and the road — connecting with skid steer and compact track loader (CTL) users like you to find out what they need. We listened, then rolled up our sleeves and applied what we learned. The result? Five new

compact models in vertical-lift and radial-boom configurations. With a look and feel like their larger siblings, plus amped-up specs and a wider variety of options, these reimagined do-it-alls have what it takes to fit the way you work, wherever you work.

# SMALL MACHINES. BIG RESULTS

*DON'T LET THE SIZE FOOL YOU.*

Whether you're acquiring your first machine or adding to a fleet, there's a John Deere G-Series Skid Steer or CTL that's all-in for you.

## Entry-level models

Looking for a basic skid steer? The value-packed 312GR and 314G give you the choice of a radial- or vertical-lift boom. Equipped with manual controls and fuel-efficient diesels, they're easy to operate and own.

## More power and options

If it's a more powerful, better-equipped machine you're seeking, step up to the 316GR and 318G. These larger-performance models also offer more options including joystick controls, air conditioning, and ride control, to list just a few.

## Beast mode

Check the 317G CTL specs. Superior pushing power and breakout force deliver the tractive effort and leverage to dig in where other machines just spin.

## Lightweight transport

With weights from only 5,995 to 8,195 lb., these compacts are easy to trailer behind a pickup truck.

## Generous FT4 power

Smooth-running turbocharged 2.1-L EPA Final Tier 4 (FT4)/EU Stage IV diesels meet rigid emission standards and pack plenty of power and torque.

## When smaller is smarter

Size up a G-Series. Wheel options enable them to slim down and fit through narrow openings.

## Pick up the pace

Two-speed option in the 316GR and 318G provides faster transport speeds, to help boost productivity.

## Dig, pry, push

Ample axle torque and increased boom and bucket breakout forces help carve out clay, push through piles, and keep the bucket heaped.

## Tread lightly

Equipped with optional 15.8-in.-wide track, the 317G CTL's ground pressure is just 4.5 psi, letting you work in soft underfoot conditions. Helps increase side-slope stability, too. Ground pressure with standard 12.6-in.-wide track is only 5.5 psi.

## Space commander

With widths at less than 72 in. with optional 15.8-in. track and just over 65 in. with standard 12.6-in. track, little gets in the way of the 317G CTL. Its small stature makes it easy to trailer, too.



**NARROW MACHINE WIDTHS  
ENABLE EASY TRANSPORT  
BETWEEN JOBSITES**



STANDOUT FEATURE



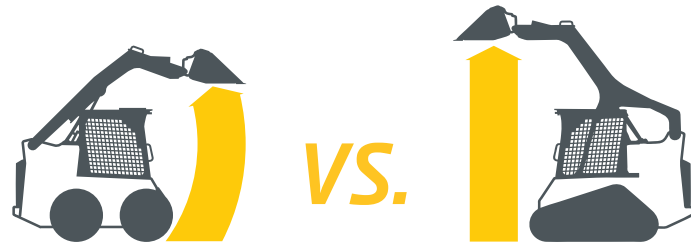
***ELEVATED.  
BY DESIGN.***



## BOOM LIFT

# RADIAL OR VERTICAL

This reimagined loader rises high, picks up heavy loads, and delivers remarkable boom- and bucket-breakout forces. Plus, a low center of gravity and superior balance provide exceptional agility and stability on slopes. Choose between vertical or new optional radial lift to match your application.



### WHAT'S THE DIFFERENCE?

#### RADIAL LIFT

More reach at mid-range lift heights, good for digging, grading, and backfilling.

#### VERTICAL LIFT

More lift height and reach at the top of the lift path, for more stability.

#### Power lifter

Redesigned vertical-lift boom rises to 10 ft. 1 in. Combined with a 2,125-lb. rated operating capacity, the 317G CTL precisely places pallets and carries big loads

#### Carry more, spill less

Boom design keeps the load close to the machine, for better stability. Low center of gravity, 30-deg. bucket rollback, optional hydraulic self-leveling, and optional ride control (317GR, 318G, and 317G CTL only) also help keep buckets full and forks loaded.

#### Boom-diggity

Radial-lift booms on the 312GR and 316GR provide powerful digging performance and generous lift height at a competitive price. For even more lifting ability, opt for the 314G, 318G, or 317G CTL. Their vertical-lift booms deliver outstanding lifting and truck-loading ability.



## **TAKE A LOAD OFF**

*ENHANCED ABILITY — AND COMFORT, TOO.*

With our G-Series, compact doesn't mean cramped. Larger entryways with swing-out doors make it easier to get in, get comfortable, and get on with it. Inside, there's more productivity-enhancing foot- and legroom. The tightly sealed interior is quieter, too, so you can concentrate on the job at hand — and even enjoy the radio. Operators will also appreciate what they see from the comfortable sculpted seat. Clear sightlines to the cutting edge and bucket corners, above and below the lift arms, and the jobsite ahead and behind instill close-quarters' confidence.





**25%**

**MORE CAB SPACE**

#### **Heads-up operation**

Overhead panel conveniently places machine info on the left, control switches to the right. Easy-to-read LCD monitor provides a wealth of info and control — including vital operating conditions and advanced diagnostics

#### **Push-button convenience**

Optional sealed-switch module provides amenities such as keyless start and anti-theft settings, plus fingertip activation of numerous machine functions including optional ride control and hydraulic self-leveling.

#### **Safety first**

Like all John Deere machines, personal-protection features abound. In-cab-activated boom lock and triple-interlock operator-presence system help keep harm's way at bay.

#### **Your controls, your way**

Low-effort foot pedals are standard on skid steers; manual hand controls are available. Electrohydraulic (EH) joysticks are standard on the 317G CTL, optional on 316GR and 318G Skid Steers.

#### **Four-season comfort**

For year-round comfort, air conditioning is available in 316GR, 318G, and 317G CTL models.

#### **Enhanced visibility**

Optional LED light package with integrated side lighting (316GR, 318G, and 317G CTL only) provides unsurpassed all-round illumination.

#### **Fatigue-beating ride**

Adjustable high-back sculpted seat provides daylong comfort and support. For even more comfort, a heated air-ride seat is available on all models.



*LIGHTWEIGHT AGILITY.*

***HEAVY-DUTY  
DURABILITY***

# ***BIG-TIME UPTIME***

## ***MORE EFFICIENT IN EVERY WAY.***

Incorporating many of the same durability and reliability features found on our larger machines, the G-Series is as tough as they come. Uptime advantages such as rugged Yanmar engines, sealed electrical connectors, O-ring face-seal hydraulic fittings, large coolers, and extended service intervals help keep downtime down. Plus, a standard automatic shutdown system prevents overheating or low fluids from ruining more than just your day. When you know how they're built, you'll run a Deere.

### **Heavy-duty drivetrains**

Oil-bathed final-drive chains withstand daily punishment and never need adjustment. Beefed-up drive sprockets also deliver long-term durability.

### **Fewer refills**

Refueling and other fluid additions are convenient and quick. Generous tank capacity and fuel-efficient diesels enable daylong operation, letting you accomplish more between fill-ups.

### **Big biceps**

Large cross-section boom arms and heavy-duty upper links deliver the stamina to endure tough tasks, for long-term durability.

### **Chill out**

Large coolers provide increased heat rejection for superior performance in severe, high-load conditions. Engine-mounted belt-driven cooling fan delivers efficient, reliable performance.

### **Anti-leak fittings**

O-ring face-seal hydraulic fittings virtually eliminate aggravating and costly oil leaks.

### **Sealed connections**

Switches and electrical connectors are sealed from moisture and dirt, to help resist corrosion.

### **Give yourself a brake**

Spring-applied hydraulically released wet-disc park brakes never need adjustment, to help take the pressure off sure stops.



**8+ HOURS**  
**OF RUN TIME BETWEEN REFILLS\***

*\*Fuel consumption varies by application and machine use.*

*Courtesy of Machine.Market*

# INCREASE UTILIZATION

## MULTITASKING MADE EASIER.

With over 100 models of Worksite Pro™ attachments available, your G-Series Skid Steer or CTL can be hooked up with a wide variety of options. And with the universal Quik-Tatch™, you can go from bucket, to forks, to whatever, in just seconds. Each compact model delivers plenty of standard hydraulic power to operate augers, breakers, trenchers, or power rakes, to list just a few.



### Bucket choices abound

Choose from rock, multipurpose, construction, utility, and tooth buckets in varying widths and capacities. New grading-heel bucket excels at back dragging.

### Grab and go

Brush, scrap, and utility grapples employ two hydraulic-actuated dual-action tongs for superior retention of a wide variety of materials.

### Snow attachments

Equipped with a snow blower, snow pusher, utility blade, or angle broom, the G-Series machines make quick work of clearing whatever winter drops your way.



## 100+ MODELS OF WORKSITE PRO ATTACHMENTS



### Roadwork made easy

Perfect for concrete or asphalt flatwork, our angle brooms, vibratory rollers, cold planers, hydraulic breakers, and wide variety of buckets let you hit the road running.

### Landscape add-ons

Landscape and nursery options include rotary tillers, planetary augers, pallet forks, power rakes, landplanes, dozer blades, and roller levels, to list just a few.

### Busybody

With go-everywhere rubber track undercarriage, universal Quik-Tatch, and auxiliary hydraulics, the 317G CTL is fully equipped to tackle a seemingly endless variety of tasks.

### Farm hands

For handling hay, cleaning pens, rebedding stalls, or numerous other agricultural chores, add utility grapples, material/manure scrapers, pallet forks, bale spears, and buckets to get it done.

# WE SWEAT THE DETAILS

SO YOU DON'T HAVE TO.

## Simple serviceability

Swing-out rear door enables easy, ground-level access to daily service checkpoints and cooling system components. If major component access is necessary, the ROPs can be tilted in less than five minutes.

## Minimal maintenance

Redesigned Quik-Tatch system is optimized for effortless reach to grease zerks, minimizing maintenance time and expense.

## Lightweight transport

With weights ranging from just 5,995 to 8,195 lb., G-Series machines are incredibly easy to trailer behind most standard pickup trucks.

## Full-tilt service

Swing open the rear door and tilt up the hood for convenient ground-level access to dipsticks, fuel- and fluid-filler necks, and filters. For easy drivetrain access, the operator's station also swings up and out of the way in less than five minutes.



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### **Easier cooler cleanout**

Hinged rear door and hydraulic cooler swing open, making trash removal and core cleanout easier.

### **Simplified checks**

Color-coded handles and caps on conveniently positioned dipsticks and filler necks simplify checks and additions. See-through reservoirs and sight gauges let you see fuel, hydraulic oil, and windshield washer fluid levels at a glance.

### **Easy cleanup**

If you're a neat freak or run a rental yard, you'll appreciate the convenient floor access that helps speed cleanout.

### **Quick changes**

Spin-on remote-mounted engine oil and fuel filters allow quick no-mess changes. Extended service intervals reduce downtime for scheduled maintenance, too.

### **Handy boom tie-down**

New integrated boom tie-down location enables easy access without having to crawl under the machine.





# 312GR / 316GR SPECIFICATIONS

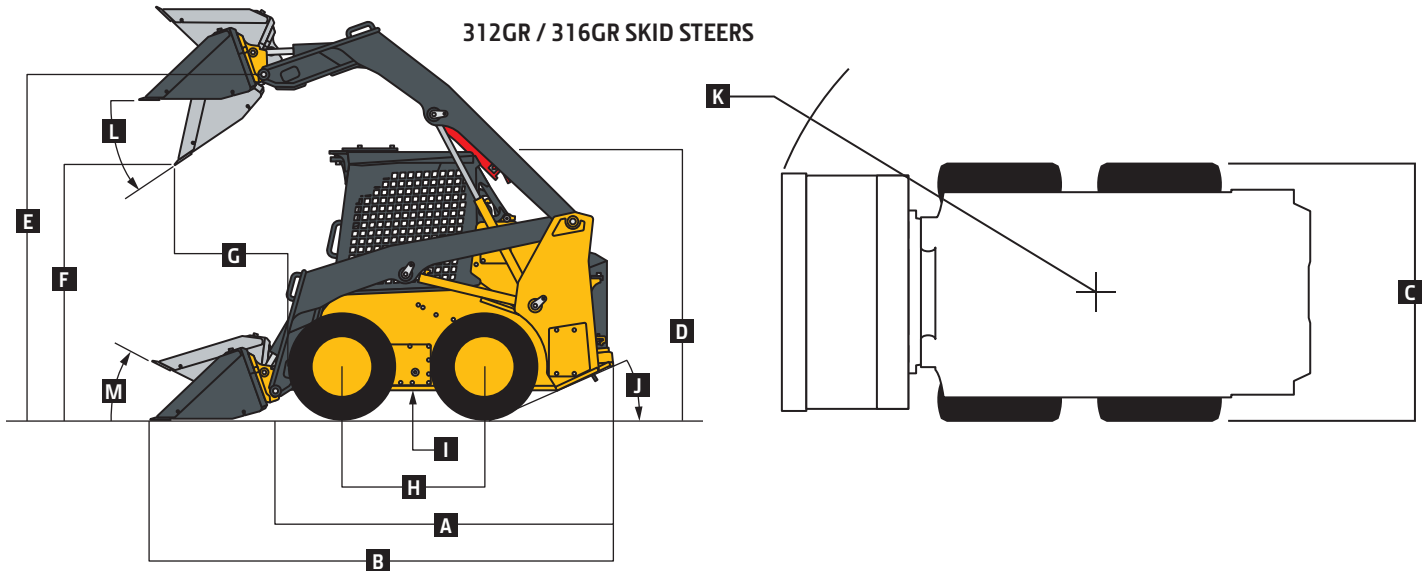
Engine	312GR	316GR
Manufacturer and Model	Yanmar 4TNV86CT	Yanmar 4TNV86CT
Non-Road Emission Standard	EPA Final Tier 4/EU Stage IV	EPA Final Tier 4/EU Stage IV
Cylinders	4	4
Net Power (SAE J1349 / ISO 9249)	35.8 kW (48 hp) at 2,600 rpm	45.6 kW (61 hp) at 2,600 rpm
Gross Rated Power (ISO 14396)	37.8 kW (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	21% at 1,690 rpm
Aspiration	Turbocharged	Turbocharged
Air Cleaner	Dry dual element	Dry dual element
Cooling	312GR / 316GR	
Fan Type	Direct belt drive	
Powertrain	312GR	316GR
Type	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	2565 kgf (5,655 lbf)	3552 kgf (7,831 lbf)
<b>Final Drive</b>	High-strength, adjustment-free chains	
<b>Brakes</b>	Integral, automatic, spring-applied, hydraulically released, wet-disc park brake	
Hydraulics		
Pump Flow, Standard	59 L/m (16 gpm)	59 L/m (16 gpm)
System Pressure at Coupler	22 408 kPa (3,250 psi)	23 787 kPa (3,450 psi)
Hydraulic Horsepower Flow (calculated), Standard	22 kW (30 hp)	23 kW (31 hp)
Auxiliary Hydraulics	With flat-faced couplers	Optional connect-under-pressure with flat-faced couplers
Cylinders	312GR / 316GR	
Type	John Deere heat-treated, chrome-plated polished cylinder rods, hardened steel (replaceable bushings) pivot pins	
Electrical	312GR	316GR
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
Lights		
Standard	Halogen: 2 front and 1 rear	
Deluxe	— LED: 2 front, 2 side, and 1 rear	
Operator's Station	312GR / 316GR	
	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 Weights	312GR	316GR
Base Machine	2722 kg (5,995 lb.)	2894 kg (6,375 lb.)



# 312G R / 316G R SPECIFICATIONS



Machine Dimensions	312GR	316GR
<b>A</b> Length without Bucket	2.63 m (103.0 in.) (8 ft. 7 in.)	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.)	3.24 m (127.6 in.) (10 ft. 8 in.)
<b>C</b> Width without Bucket	1.60 m (62.9 in.) (5 ft. 3 in.)	1.60 m (62.9 in.) (5 ft. 3 in.)
<b>D</b> 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.)
<b>E</b> Height to Hinge Pin	2.92 m (115.1 in.) (9 ft. 7 in.)	2.92 m (115.1 in.) (9 ft. 7 in.)
<b>F</b> Dump Height with Foundry Bucket	2.25 m (88.6 in.) (7 ft. 5 in.)	2.25 m (88.6 in.) (7 ft. 5 in.)
<b>G</b> Dump Reach		
With Foundry Bucket	0.40 m (15.8 in.)	0.40 m (15.8 in.)
With Construction Bucket	0.58 m (22.8 in.)	0.58 m (22.8 in.)
<b>H</b> Wheelbase	1.05 m (41.5 in.) (3 ft. 5 in.)	1.05 m (41.5 in.) (3 ft. 5 in.)
<b>I</b> Ground Clearance	0.18 m (7.0 in.)	0.18 m (7.0 in.)
<b>J</b> Angle of Departure	22.3 deg.	22.3 deg.
<b>K</b> 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.)
<b>L</b> Dump Angle (full lift height)	45 deg.	45 deg.
<b>M</b> Bucket Rollback (ground level)	30 deg.	30 deg.
Loader Performance		
Tipping Load	1407 kg (3,100 lb.)	1589 kg (3,500 lb.)
SAE Rated Operating Capacity	704 kg (1,550 lb.)	795 kg (1,750 lb.)
With Counterweight	772 kg (1,700 lb.)	863 kg (1,900 lb.)
Boom Breakout Force		
With Foundry Bucket	2043 kg (4,500 lb.)	2157 kg (4,750 lb.)
With Construction Bucket	1816 kg (4,000 lb.)	2043 kg (4,500 lb.)
Bucket Breakout Force		
With Foundry Bucket	2270 kg (5,000 lb.)	2384 kg (5,250 lb.)
With Construction Bucket	1680 kg (3,700 lb.)	1816 kg (4,000 lb.)





# 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
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 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)
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	
Brakes	Integral, automatic, spring-applied, hydraulically released, wet-disc park brake	
Hydraulics		
Pump Flow, Standard	59 L/m (16 gpm)	59 L/m (16 gpm)
System Pressure at Coupler	22 408 kPa (3,250 psi)	23 787 kPa (3,450 psi)
Hydraulic Horsepower Flow (calculated), Standard	22 kW (30 hp)	23 kW (31 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 optional	750 CCA standard / 925 CCA optional
Alternator Rating	70 amp	70 amp
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	2867 kg (6,315 lb.)	2940 kg (6,475 lb.)

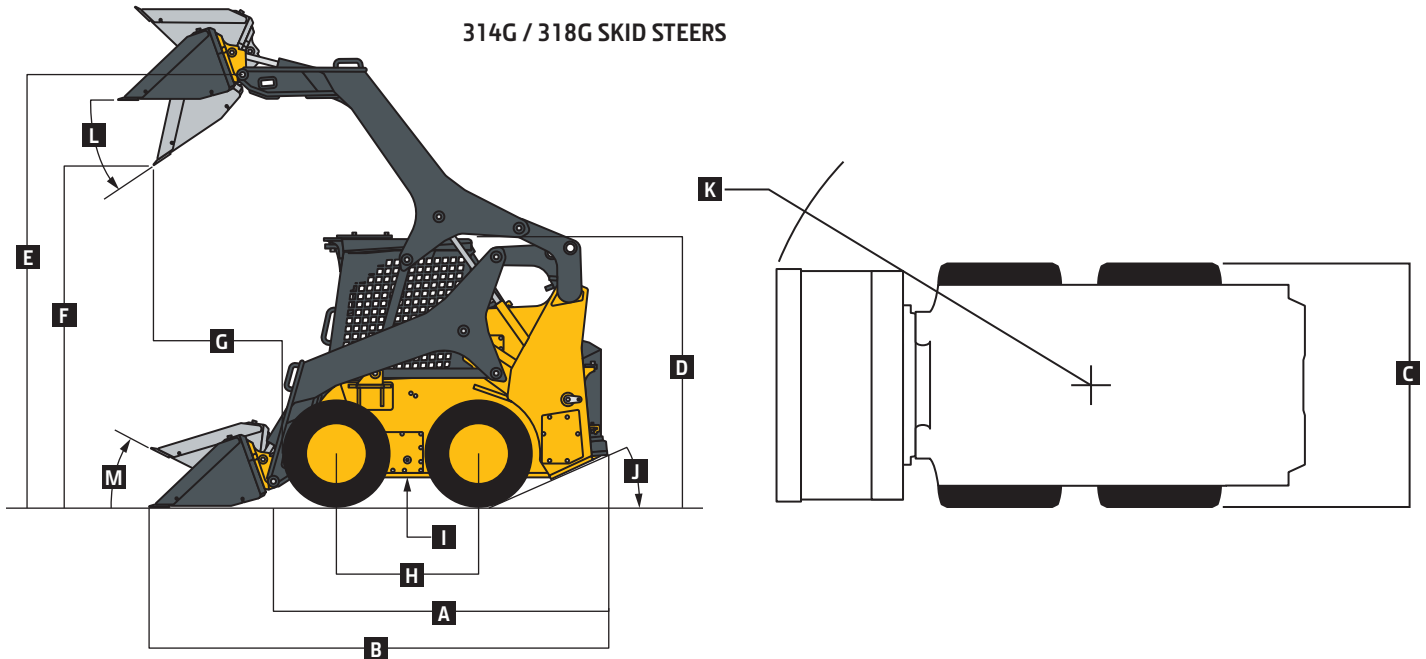
# 314G / 318G

## 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.
Loader Performance		
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.)	2270 kg (5,000 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.)

### 314G / 318G SKID STEERS





# 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 2,500 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	59 L/m (16 gpm)
System Pressure at Couplers	23 787 kPa (3,450 psi)
Hydraulic Horsepower (calculated)	23 kW (31 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.)

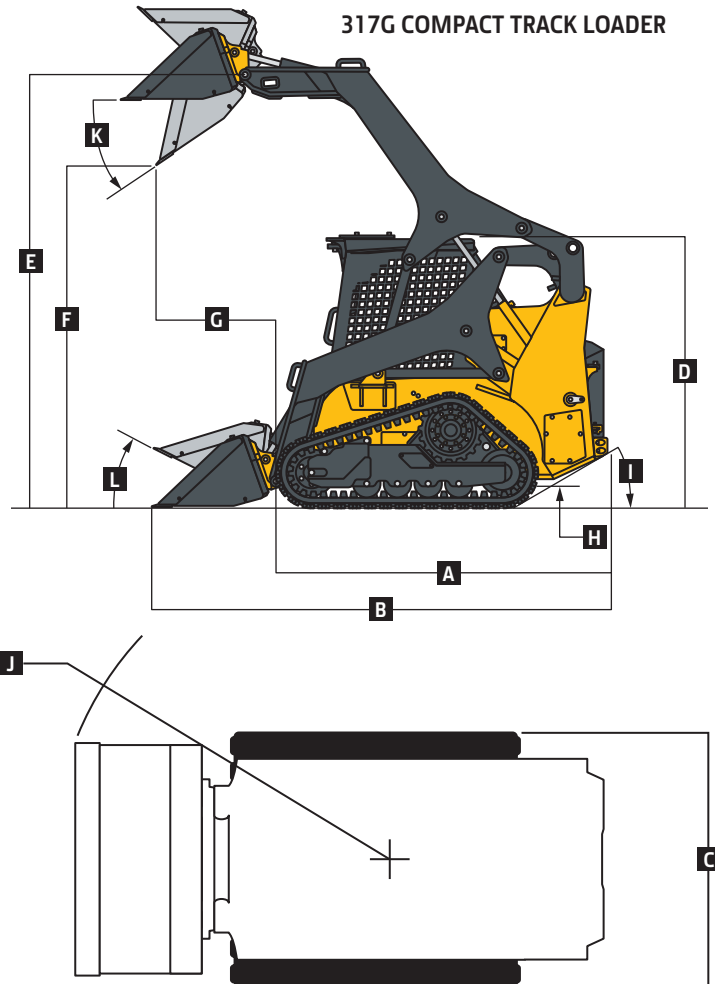
**Machine Dimensions**

<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	2270 kg (5,000 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
▲	▲	▲	▲	▲	Chrome exhaust stack
●	●	●	●	●	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 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	Operator's Station
SSL	SSL	SSL	SSL	CTL	
●	●	●	●	●	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/Weather-Band (WB) 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

312GR	314G	316GR	318G	317G	Operator's Station <i>(continued)</i>
SSL	SSL	SSL	SSL	CTL	
▲	▲	▲	▲	▲	Floor mat with left footrest
●	●	●	●	●	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
▲	▲	▲	▲		10x16.5 10 PR Galaxy "Beefy Baby III" heavy-duty (HD) tires for 1.52-m (60 in.) machine width
				●	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
▲	▲	▲	▲		Tire options: SKS Extra-Wall, Galaxy Beefy Baby III, Galaxy Hulk, and Brawler Solid-Flex

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