



317G SPECIFICATIONS

Engine	317G
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
Cooling	
Fan Type	Direct belt drive
Powertrain	
Pump	Axial-piston hydrostatic
Motors	Axial-piston hydrostatic
Single Speed	11.3 km/h (7.0 mph)
Gearbox	High-drive direct-drive motor
Brakes	Integral, automatic, spring-applied, hydraulically released, wet-disc park brake
Undercarriage	
Rubber Tracks	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)
Hydraulics	
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
Cylinders	
Type	John Deere heat-treated, chrome-plated, polished cylinder rods, hardened steel (replaceable bushings) pivot pins
Electrical	
Number of Batteries	1
Reserve Capacity	150 min. standard / 180 min. optional
Alternator Rating	70 amp
Lights	
Standard	Halogen: 2 front and 1 rear
Deluxe (optional)	LED: 2 front, 2 side, and 1 rear
Operator's Station	
ROPS (ISO 3471) / FOPS (ISO 3449) structure with quick pivot standard; keyless-start option with sealed-switch module	

317G

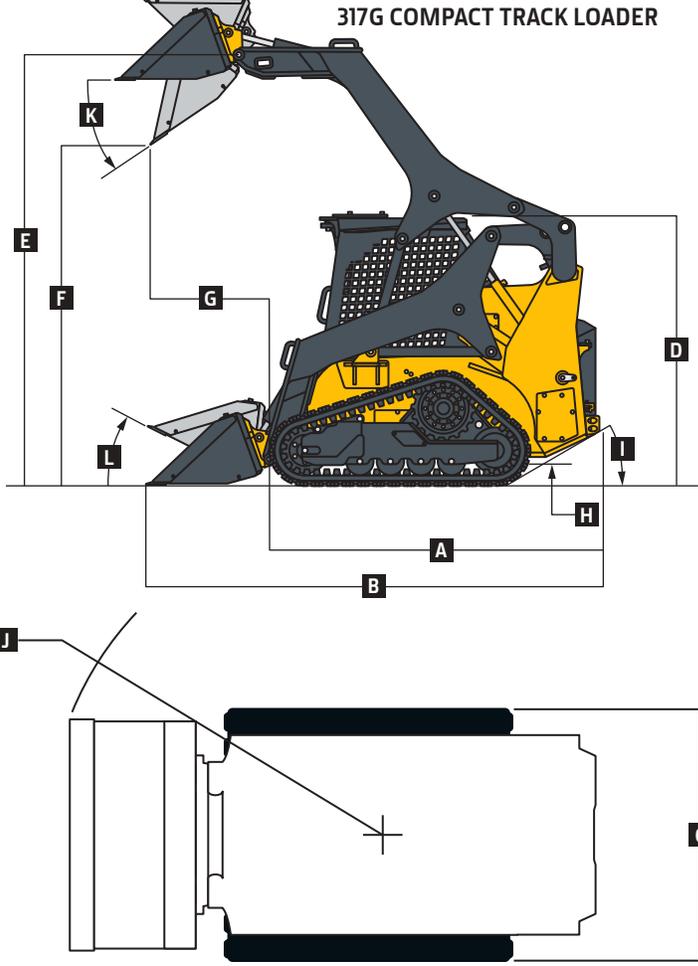
SPECIFICATIONS



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	
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.)
With Construction Bucket	3.49 m (137.4 in.) (11 ft. 5 in.)
C 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.)
D Height to Top of ROPS	1.99 m (78.5 in.) (6 ft. 6 in.)
E Height to Hinge Pin	3.07 m (121.0 in.) (10 ft. 1 in.)
F 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.)
G 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.)
H Ground Clearance	0.21 m (8.3 in.)
I Angle of Departure	32.3 deg.
J Front Turn Radius with Foundry Bucket	1.97 m (77.7 in.) (6 ft. 6 in.)
K Dump Angle (full lift height)	42 deg.
L 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.)



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™ 10w30 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
Cooling System					
●	●				Coolant overflow bottle recovery tank
		●	●	●	Coolant surge 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
●	●	●	●		Wet-disc brakes
●	●	●	●	●	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
▲	▲	▲	▲	▲	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, 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 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 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 SSL	314G SSL	316GR SSL	318G SSL	317G CTL	Operator's Station <i>(continued)</i>
●	●	●	●	●	Rearview mirror
▲	▲	▲	▲	▲	Severe-duty cab door and wiper system
▲	▲	▲	▲	▲	Boom-mounted side mirrors
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 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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