

317 GC

HYDRAULIC EXCAVATOR



Engine Power (ISO 14396:2002) 90 kW (121 hp)
Operating Weight 17 300 kg (38,100 lb)

Engine meets U.S. EPA Tier 4 Final and EU Stage V emission standards.



THE NEW CAT® 317 GC

JOB-MATCHED PERFORMANCE

The Cat® 317 GC Excavator offers job-matched performance and world-class versatility. A large working envelope and expanded work tool offering help you complete your work quickly and efficiently. Combined with fuel-saving features, longer maintenance intervals, and simplified maintenance points, the 317 GC provides the reliability you expect at the low cost-per-hour you need.



NEXT GENERATION EXCAVATORS

The new line of Cat Excavators offers more choices than ever for your business.

- + MORE MODEL OPTIONS
- + MORE FUEL SAVINGS
- + MORE WAYS TO BOOST PERFORMANCE

Ready to help you make your business stronger, Cat Next Generation Excavators give you new ways to get the most work done at a lower cost.



UP TO 10% LOWER FUEL CONSUMPTION¹

Use up to 10 percent less fuel to keep you moving and productive on the jobsite.

UP TO 20% LOWER MAINTENANCE COSTS¹

With extended and more synchronized maintenance intervals, you get more done at a lower cost.

WORLD-CLASS VERSATILITY

The 317 GC's expanded work tool offering helps you tackle your jobsite's various applications with ease.

¹ Compared to the 316F

UP TO 20% LESS MAINTENANCE COSTS



LESS MAINTENANCE, MORE PROFITABILITY

NOTE: COMPARISON IS BASED ON THE PREVIOUS MODEL.

CAT LINK TECHNOLOGY

TAKES THE GUESSWORK OUT OF MANAGING YOUR EQUIPMENT

Cat Link telematics technology helps take the complexity out of managing your jobsites by gathering data generated by your equipment, materials, and people and serving it up to you in customizable formats.



PRODUCT LINK™

Product Link collects data automatically and accurately from your assets – any type and any brand. Information such as location, hours, fuel usage, productivity, idle time, maintenance alerts, diagnostic codes, and machine health can be viewed online through web and mobile applications.



VISIONLINK®

Access information anytime, anywhere with VisionLink. Use it to make informed decisions that boost productivity, lower costs, simplify maintenance, and improve safety and security on your jobsite. With different subscription level options, your Cat dealer can help you configure exactly what you need to connect your fleet and manage your business without paying for extras you don't want. Subscriptions are available with cellular or satellite reporting (or both).

LOWER MAINTENANCE COSTS
UP TO 20%



DO MORE. PAY LESS.

With extended and more synchronized maintenance intervals, you get more done at a lower cost. Consolidated filter locations make servicing your machine faster and easier.

INFORMATION AT YOUR FINGERTIPS

View operating information such as fuel and oil levels as well as critical service alerts on the in-cab touchscreen monitor. Your machine's filter life and maintenance intervals are also trackable on the in-cab monitor.

NEW LONGER LASTING FILTERS

The new hydraulic oil filter provides improved filtration performance, anti-drain valves to keep oil clean when the filter is replaced, and longer life with a 3,000-hour replacement interval – 50 percent longer than previous filter designs.

NEW CAB DESIGN MAKES HARD WORK EASY

Comfort and movement efficiency help keep operators productive and alert all shift long. Ergonomic control layout reduces twists and turns in the seat. The standard seat is wide and adjustable for operators of virtually any size.



ISO-CERTIFIED ROPS CAB KEEPS YOU SAFE

The ISO-certified ROPS cab is sound suppressed and sealed. The large windows and lower front, right, and rear profile of the machine give outstanding visibility to the work area without the strain of constantly leaning forward.

ALL-AROUND VISIBILITY

Enlarged windows and improved machine layout increase visibility from the seat of the cab. Standard rearview and right-side-view cameras always keep operators aware of their surroundings. Powerful, long-lasting LED lights consume minimal power, keeping you safe while working in the dark.

EASY ACCESS, CONNECTIVITY, AND STORAGE

Convenience features include Bluetooth® integrated radio, USB ports for charging and phone connectivity, 12V DC outlets and AUX port, storage in rear, overhead, and console compartments, and cup and bottle holders.



NEW SMART MODE

The new Smart mode automatically adjusts engine and hydraulic power for the highest fuel efficiency – less power for tasks such as swinging and more power for digging.



KEYLESS PUSH TO START

The 317 GC uses a keyless push-button engine start. This adds security for the machine by using Operator ID codes to limit and track machine access. Codes can be entered manually, via an optional Bluetooth key fob, or smartphone app.



CUSTOMIZABLE JOYSTICKS

Joystick function can be customized through the monitor. Joystick pattern as well as response can be set to match operator preference. All preferences are saved with the Operator ID and restored at login. For additional modifications to the function speed (Gain) setting and balance refinement, contact your local Cat dealer



TOUCHSCREEN MONITOR

Most machine settings can be controlled through the high resolution 203 mm (8-inch) touchscreen monitor. It offers 42 languages and is easy to read from the seat.



SAFETY FEATURES

LOOK OUT FOR YOUR PEOPLE
AND YOUR EQUIPMENT

KEEP YOUR EXCAVATOR SECURE

Use your PIN code on the monitor, the optional Bluetooth key fob, or your smartphone to enable the push-button starting feature.

100% GROUND-LEVEL DAILY MAINTENANCE

All daily maintenance checks can be performed from ground level, making maintenance faster, easier, and safer. Checkpoints include the engine oil dipstick, fuel water separator, fuel tank water and sediment drains, and cooling system coolant level check.

UPPER PLATFORM ACCESS

New service platform design provides easy, safe, and quick access to upper service platform; the service platform steps use anti-skid punch plate to help prevent slipping.

STAY SAFE EVERY DAY

FACT:

#1 cause of construction accidents: **FALLS***

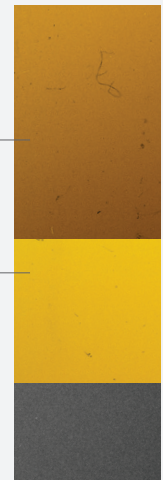
49% OF FALLS RESULT
IN SERIOUS INJURY

30% OF FALLS RESULT
IN DEATH

NEW 317 GC

100% GROUND-LEVEL
MAINTENANCE
HELPS PREVENT FALLS

FALLS



*<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4962179/>

INCREASE YOUR PRODUCTIVITY AND PROFIT WITH CAT ATTACHMENTS

You can easily expand the performance of your machine by utilizing any of the variety of Cat Attachments. Each Cat Attachment is designed to fit the weight and horsepower of Cat Excavators for improved performance, safety, and stability.

BUCKETS



HYDRAULIC HAMMERS



AUTO HAMMER STOP

Turn on through the in-cab monitor and the hammer will automatically stop after 30 seconds of continuous firing, preventing both the hammer and excavator from overworking.

QUICK COUPLERS



GRAPPLES



SHEARS



MULCHERS



VIBRATORY PLATE COMPACTORS



ATTACHMENT TRACKING MADE EASY

The Cat PL161 Attachment Locator is a Bluetooth device that makes finding your attachments and other gear quick and easy. The excavator's onboard Bluetooth reader or Cat App on your phone will locate the device automatically.



Save more time and energy with the available work tool recognition feature. A simple shake of the attached tool confirms its identity; it also ensures all the attachment settings are correct so you can get to work quickly and efficiently.

TECHNICAL SPECIFICATIONS

See cat.com for complete specifications.

ENGINE		
Engine Model	Cat C3.6	
Engine Power – ISO 14396:2002	90 kW	121 hp
Net Power – ISO 9249:2007	89 kW	119 hp
Bore	98 mm	4 in
Stroke	120 mm	5 in
Displacement	3.6 L	220 in ³

- Meets U.S. EPA Tier 4 Final and EU Stage V emission standards.
- Recommended for use up to 4500 m (14,764 ft) altitude with engine power derate above 3000 m (9,842 ft).
- Net power available at the flywheel when the engine is equipped with fan, air cleaner, aftertreatment, and alternator with engine speed at 2,400 rpm.

HYDRAULIC SYSTEM		
Main System – Maximum Flow	296 L/min	78 gal/min
Maximum Pressure – Equipment	35 000 kPa	5,076 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	25 800 kPa	3,741 psi

SWING MECHANISM		
Swing Speed	8.7 rpm	
Maximum Swing Torque	61 kN·m	44,990 lbf·ft

WEIGHTS		
Operating Weight	17 300 kg	38,100 lb
• Long undercarriage, Reach boom, R2.9 (9'6") stick, GD 1.00 m ³ (1.31 yd ³) bucket, 600 mm (24") triple grouser shoes and 3.05 mt (6,720 lb) counterweight.		

SERVICE REFILL CAPACITIES		
Fuel Tank	271 L	71.6 gal
Cooling System	22 L	5.8 gal
Engine Oil	11 L	2.9 gal
Final Drive	6 L	1.6 gal
Hydraulic System (including tank)	94 L	24.8 gal
Hydraulic Tank	87 L	23.0 gal
DEF Tank	22 L	5.9 gal

DIMENSIONS		
Boom	Reach 5.1 m (16'9")	
Stick	Reach R2.9 m (9'6")	
Bucket	GD 0.76 m ³ (0.99 yd ³)	
Shipping Height (top of cab)	2930 mm	9'7"
Handrail Height	2940 mm	9'8"
Shipping Length	8570 mm	28'1"
Tail Swing Radius	2500 mm	8'2"
Counterweight Clearance	1010 mm	3'4"
Ground Clearance	430 mm	1'5"
Track Length	3970 mm	13'0"
Length to Center of Rollers	3170 mm	10'5"
Track Gauge	1990 mm	6'6"
Transport Width – 600 mm (24") shoe	2590 mm	8'6"

WORKING RANGES AND FORCES		
Boom	Reach 5.1 m (16'9")	
Stick	Reach R2.9 m (9'6")	
Bucket	GD 0.76 m ³ (0.99 yd ³)	
Maximum Digging Depth	6400 mm	21'0"
Maximum Reach at Ground Line	9010 mm	29'7"
Maximum Cutting Height	8900 mm	29'2"
Maximum Loading Height	6280 mm	20'7"
Minimum Loading Height	1990 mm	6'6"
Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6170 mm	20'3"
Maximum Vertical Wall Digging Depth	4960 mm	16'3"
Minimum Working Equipment Radius	2940 mm	9'8"
Bucket Digging Force (ISO)	123 kN	27,650 lbf
Stick Digging Force (ISO)	75 kN	16,860 lbf

AIR CONDITIONING SYSTEM		
• The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.9 kg of refrigerant which has a CO ₂ equivalent of 1.287 metric tonnes.		

STANDARD & OPTIONAL EQUIPMENT

Standard and optional equipment may vary. Consult your Cat dealer for details.

BOOMS AND STICKS	STANDARD	OPTIONAL
5.1 m (16'9") Reach boom	•	
R2.6 m (8'6") stick		•
R2.9 m (9'6") stick		•
R2.9 m (9'6") Thumb Ready stick ¹		•
R3.1 m (10'2") stick ¹		•
CAB	STANDARD	OPTIONAL
ROPS, sound suppression	•	
Comfort Cab: mechanical suspension seat, 204 mm (8") touchscreen monitor	•	
CAT TECHNOLOGIES	STANDARD	OPTIONAL
Cat Product Link	•	
Auto hammer stop	•	
ELECTRICAL SYSTEM	STANDARD	OPTIONAL
Maintenance-free battery	•	
LED chassis light, left-side boom light	•	
LED chassis light, right-side boom light, cab lights		•
Programmable time-delay LED working lights	•	
Centralized electrical disconnect switch	•	
ENGINE	STANDARD	OPTIONAL
C3.6 Tier 4 Final/Stage V diesel engine	•	
Two selectable modes: Power, Smart	•	
Automatic engine speed control	•	
Automatic engine shutdown	•	
18°C (0°F) cold start capability		•
-25°C (-13°F) cold start capability		•
Electric fuel priming pump	•	
Electric cooling fans	•	
Single fuel filtration system with water separator and indicator	•	
Sealed double element air filter with integrated precleaner	•	
Biodiesel capability up to B20	•	

HYDRAULIC SYSTEM	STANDARD	OPTIONAL
Boom and stick regeneration circuits	•	
Auto hydraulic warmup	•	
Auto two-speed travel	•	
Electric main control valve	•	
Boom and stick drift reduction valve	•	
Boom and stick lowering check valves ²	•	
Element-type main hydraulic filter	•	
Single-type electronic main pump	•	
SAFETY AND SECURITY	STANDARD	OPTIONAL
Rear- and right-side-view cameras	•	
Ground-level engine shutoff switch	•	
Service platform with anti-skid plate and countersunk bolts	•	
Signaling/warning horn	•	
Hydraulic lockout lever	•	
SERVICE AND MAINTENANCE	STANDARD	OPTIONAL
Side entry to service platform	•	
Grouped engine oil and fuel filters	•	
Ground-level engine oil dipstick	•	
S•O•S SM sampling ports	•	
UNDERCARRIAGE AND STRUCTURES	STANDARD	OPTIONAL
Grease lubricated track link	•	
Tie-down points (ISO 15818:2017) on base frame	•	
500 mm (20") triple grouser track shoes ²		•
600 mm (24") triple grouser track shoes		•
600 mm (24") rubber track shoe ¹		•
700 mm (28") triple grouser track shoes		•
3.05 mt (6,720 lb) counterweight ³		•
3.57 mt (7,870 lb) counterweight ¹		•

¹ North America only

² Europe only

³ Standard in Europe

Not all features are available in all regions. Please check with your local Cat dealer for specific offering availability in your area.
For additional information, refer to the Technical Specifications brochures for the 315 GC available at www.cat.com or your Cat dealer.

For more complete information on Cat products, dealer services and industry solutions, visit us on the web at www.cat.com.

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www.cat.com www.caterpillar.com

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