

312 GC

HYDRAULIC EXCAVATOR



Net Power – ISO 9249
Operating Weight
Maximum Digging Depth

71 kW (95 hp)
11 600 kg (25,700 lb)
5080 mm (16.7 ft)



312 GC

HYDRAULIC EXCAVATOR

If you need reliability, durability, high productivity, and low cost, the Cat® 312 GC is made for you. This excavator is designed, built, and uniquely supported to help put you on the fast track to prosperity.



JOB MATCHED PERFORMANCE

Low fuel consumption and optimal swing torque keep your machine working in top performance. The 312 GC is designed to work in confined areas.

LOW MAINTENANCE COSTS

Long and synchronized maintenance intervals help you get more done at a low cost.

DESIGNED FOR DAILY WORK

The 312 GC is easy to own and operate and provides the reliability and durability you expect from Cat products.

LATEST FEATURES



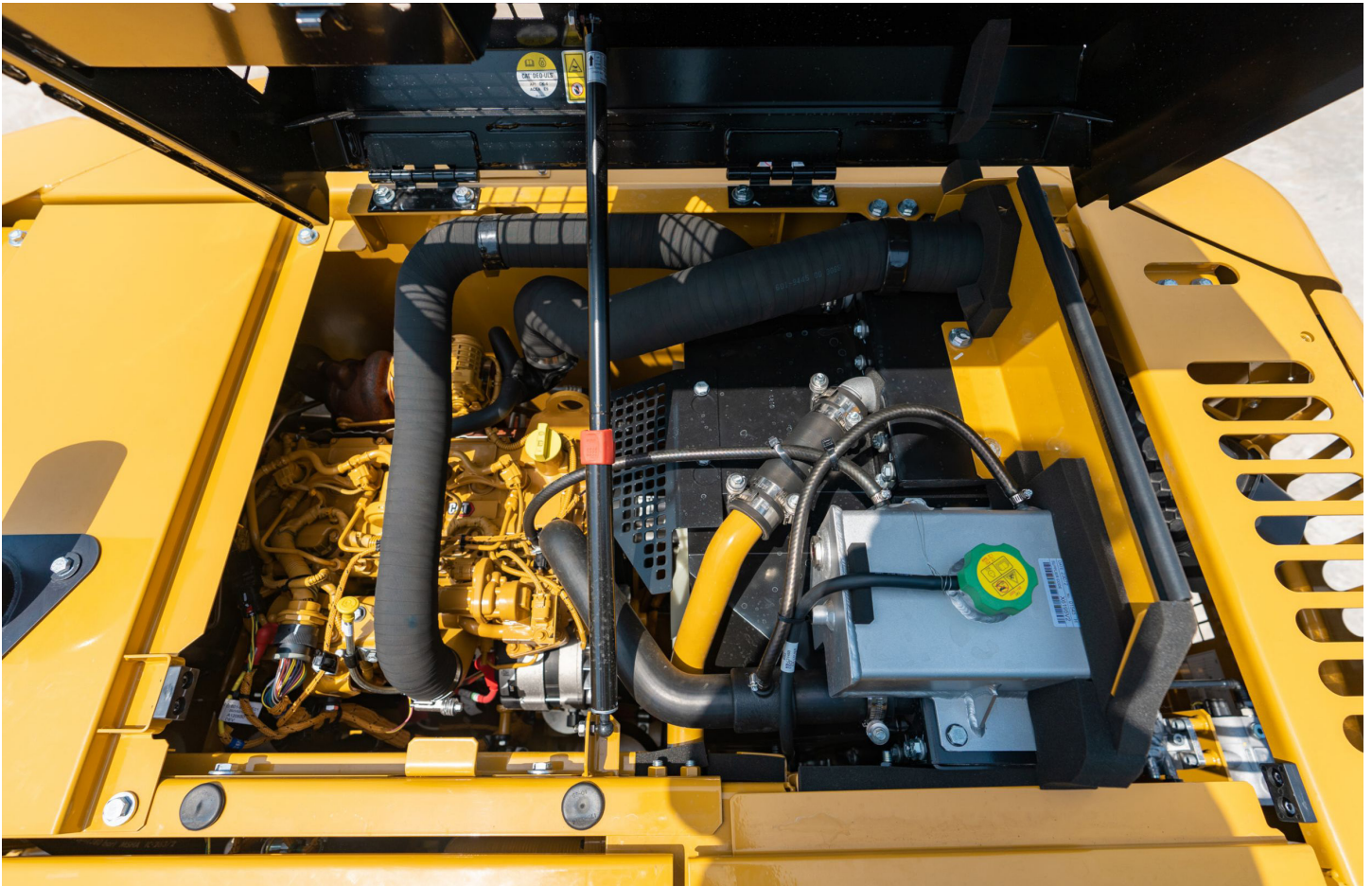
Cab Monitor Improvements

- Continuously improved user interface allows for intuitive navigation, minimizing performance interruption with the easy-to-use touchscreen menu.
- Smaller app tiles to view more apps in one screen.
- When navigating the menu, scroll position will be remembered.
- While menu is shown and lever is moved, camera view will be shown.
- Use the in-monitor QR code to learn about machine and technology features through a full suite of how-to videos.

Not all features are available in all regions. Please check with your Cat dealer for specific offering availability in your area.

RELIABLE, DURABLE PERFORMANCE

- The Cat C3.6 engine meets China Nonroad Stage IV emission standards.
- The main hydraulic pump is electronically controlled to help improve control and productivity.
- Undercarriage and track design help distribute machine weight more evenly to maintain better ground contact and increase stability.
- Boom, stick, and bucket linkage are engineered with high-strength materials and optimized geometry for maximum durability.
- Automatic hydraulic oil warm up speeds up hydraulic oil warming in cold temperatures and helps prolong the life of components.



LOW OWNING AND OPERATING COSTS



- Match your machine to the job with power modes. Let Smart mode automatically match engine and hydraulic power to working conditions. Power mode constantly helps provide maximum productivity, and Eco mode helps minimize fuel consumption in less-demanding applications.
- Long and synchronized maintenance intervals help you get more done at a low cost.
- Hydraulic oil, fuel, and air filters have a long service life, and pilot and case drain filters are not needed – helping keep costs low.
- Most daily maintenance can be performed from ground level to help decrease the amount of time you spend on daily tasks.
- Swing drive operates on the hydraulic system, eliminating the need to check or refill a separate oil system.
- The machine has low hydraulic and engine oil refill capacities, helping decrease the amount of time you spend on servicing.
- When hydraulic demand is low, the Automatic Engine Control (AEC) system reduces RPM to help reduce your fuel costs.

SIMPLE TO OPERATE



- Start the engine with a push button.
- Operate the excavator comfortably with a one-button joystick, with easy-to-reach and intuitive controls.
- Navigate quickly on the standard high-resolution 203 mm (8 in) touchscreen monitor.
- Easily move soft, wet, and sticky material with an optional shallow profile bucket.
- Continuously improved user interface allows for intuitive navigation, minimizing performance interruption with the easy-to-use touchscreen menu.
- Not sure how a function works or how to maintain your machine? Simply access the operator's manual through the touchscreen monitor.



WORK IN COMFORT

- Wide seat adjusts for operators of all sizes.
- Standard automatic climate control keeps you at the right temperature all shift long.
- Control the excavator comfortably with easy-to-reach controls, all located in front of you.
- Convenience features include a radio, headphone port, and a USB port for connecting and charging devices.
- Cup holder and storage space forward of the controls can hold large cups and wide cell phones; storage behind the seat can hold a hard hat, large lunchbox, and other items.



EASY TO MAINTAIN



- Nearly all major mechanical components are accessed from the ground or the service platform.
- Radiator screens can be removed easily, are simple to clean, and help keep the radiator free of small debris that can be difficult to remove, such as grass clippings.
- The engine compartment is easily accessed from the service platform; fluid caps and gauges are easily reached, and an automatic tensioner helps ensure you will never need to make belt adjustments.
- Scheduled Oil Sampling (S-O-SSM) ports help simplify maintenance and allow for quick, easy extraction of samples for fluid analysis.



SAFETY FEATURES

- Access most daily maintenance points from ground level.
- The ground-level shutoff switch stops all fuel to the engine when activated and shuts down the machine.
- Steps and platforms use anti-skid plates with countersunk bolts to help prevent slipping and tripping.
- The operator can exit in an emergency through either the rear window or the steel top hatch.
- The cab has large windows and small cab posts to help provide excellent visibility into the trench and in every direction.
- Bright exterior LED lights and an optional rearview camera help ensure you have total visibility on the jobsite.
- Optional swing alarm alerts people when you are rotating from trench to stockpile and back again.



SUSTAINABILITY



- The Cat C3.6 engine meets China Nonroad Stage IV emission standards.
- Extended maintenance intervals not only help reduce downtime, but also decrease the amount of fluid and filters that are replaced over the life of the machine.
- Auto Engine Speed Control helps reduce fuel burn and greenhouse gas emissions by allowing the engine to automatically go into idle mode when the machine is not working.
- When engaged, one-touch idle helps operators conserve fuel and reduce greenhouse gas emissions by lowering engine speed when the machine is under no load and return to normal operating speed when desired.
- S•O•SSM Services help reveal excessive wear, contaminated fluids, or other “unseen” issues that can shorten component life. In many cases, you can extend oil and coolant change intervals by using fluid monitoring. Consult your Cat dealer or the machine's operation and maintenance manual for more information.

MORE THAN MACHINES

BUILT AROUND YOUR SUCCESS

When you buy Cat equipment, you get so much more than the machine. You also get the support of a world-class dealer network, backed by a range of flexible solutions, technology, tools, and more.



CUSTOMER VALUE AGREEMENTS

A Customer Value Agreement (CVA) from your Cat dealer helps you do more and worry less. A CVA simplifies machine ownership and maintenance, adds the security of expert dealer support, and gives you the peace of mind from effective equipment health management.

GENUINE CAT PARTS

Genuine Cat parts deliver the highest level of reliability and productivity. Order direct from your Cat dealer or shop online at parts.cat.com.

REPAIR OPTIONS

A broad range of repair options gives you choices that work with your needs, budget, and timeline. Every repair is performed by expert Cat technicians. You'll receive smart repair advice, a timely, accurate quote, and service that gets your machine back into action quickly.

FINANCIAL SERVICES

Count on Cat Financial to provide the best finance and extended protection solutions for your business. For more than 30 years, we have helped our customers succeed through financial service excellence.



DOZERS



SKID STEERS



MATERIAL HANDLERS



EXCAVATORS



WHEEL LOADERS



TRACK LOADERS

INCREASE YOUR PRODUCTIVITY AND PROFIT WITH CAT ATTACHMENTS

You can easily expand the performance of your machine by utilizing a variety of Cat attachments. Each Cat attachment is designed to fit the weight and horsepower of Cat excavators for improved performance, safety, and stability.

UTILITY DUTY BUCKETS



GENERAL DUTY BUCKETS



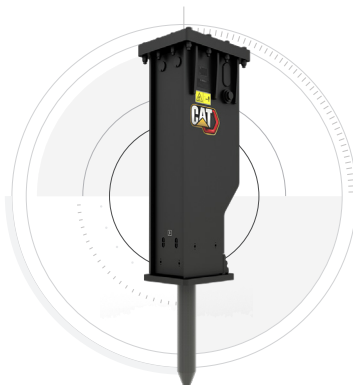
PREVENT HAMMER WEAR AND TEAR

Protect your hammer tool from overheating and rapid wear. Auto hammer stop warns you after 15 seconds of continuous firing and then automatically shuts it off after 30 seconds – all to extend the tool's service life.

VIBRATORY PLATES



HYDRAULIC HAMMERS



TECHNICAL SPECIFICATIONS

ENGINE		
Engine Model	Cat® C3.6	
Net Power – ISO 9249	71 kW	95 hp
Engine Power – ISO 14396	74 kW	100 hp
Bore	98 mm	4 in
Stroke	120 mm	5 in
Displacement	3.6 L	220 in³
Biodiesel Capability	Up to B20¹	
Emissions	Meets China Nonroad Stage IV emissions standards	

Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator with engine speed at 2,200 rpm. Advertised power is tested per the specified standard in effect at the time of manufacture.

⁽¹⁾ Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to: 20% biodiesel FAME (fatty acid methyl ester)*** or 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels. Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details.

* While Caterpillar engines are compatible with these alternative fuels, some regions may not allow their use.

** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

*** Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).

HYDRAULIC SYSTEM		
Main System – Maximum Flow – Implement	225 L/min (59 gal/min)	
Maximum Pressure – Equipment – Normal	35 000 kPa	5,075 psi
Maximum Pressure – Travel	35 000 kPa	5,075 psi
Maximum Pressure – Swing	25 900 kPa	3,756 psi

SWING MECHANISM		
Swing Speed	11.5 r/min	
Maximum Swing Torque	43 kN-m	31,641 lbf-ft

WEIGHTS		
Operating Weight	11 600 kg	25,700 lb
Short undercarriage, Reach boom, R2.25 (7'5") stick, Utility Duty (UD) 0.53 m³ (0.69 yd³) bucket, 500 mm (20") triple grouser shoes, 1800 kg (3,970 lb) counterweight, and High Pressure (HP)/Auxiliary (AUX) Lines.		

SERVICE REFILL CAPACITIES		
Fuel Tank	237 L	62.6 gal
Cooling System	11 L	2.9 gal
Engine Oil	11 L	2.9 gal
Final Drive – Each	3 L	0.8 gal
Hydraulic System – Including Tank	145 L	38.3 gal
Hydraulic Tank	77 L	20.3 gal

DIMENSIONS		
Boom	Reach 4.3 m (14'1")	
Stick	Reach 2.25 m (7'5")	
Bucket	UD 0.53 m³ (0.69 yd³)	
Shipping Height – Top of Cab	2780 mm	9.1 ft
Handrail Height	2820 mm	9.3 ft
Shipping Length	7360 mm	24.1 ft
Tail Swing Radius	2200 mm	7.2 ft
Counterweight Clearance	890 mm	2.9 ft
Ground Clearance	430 mm	1.4 ft
Track Length	3310 mm	10.9 ft
Length to Center of Rollers	2610 mm	8.6 ft
Track Gauge	1990 mm	6.5 ft
Transport Width	2490 mm	8.2 ft

WORKING RANGES AND FORCES		
Boom	Reach 4.3 m (14'1")	
Stick	Reach 2.25 m (7'5")	
Bucket	UD 0.53 m³ (0.69 yd³)	
Maximum Digging Depth	5080 mm	16.7 ft
Maximum Reach at Ground Level	7600 mm	24.9 ft
Maximum Cutting Height	7850 mm	25.8 ft
Maximum Loading Height	5410 mm	17.7 ft
Minimum Loading Height	1840 mm	6 ft
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	4850 mm	15.9 ft
Maximum Vertical Wall Digging Depth	4560 mm	15 ft
Bucket Digging Force – ISO	86 kN	19,310 lbf
Stick Digging Force – ISO	62 kN	13,980 lbf

STANDARD AND OPTIONAL EQUIPMENT

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

BOOMS AND STICKS	STANDARD	OPTIONAL
4.3 m (14'1") Reach boom	•	
2.25 m (7'5") Reach stick	•	
UNDERCARRIAGE AND STRUCTURES	STANDARD	OPTIONAL
500 mm (20") triple grouser shoes	•	
Center track guiding guard	•	
Grease-lubricated track link	•	
Bottom guards	•	
Travel motor guards	•	
1.8 mt (3,968 lb) counterweight	•	
Tie-down points	•	
CAB	STANDARD	OPTIONAL
Sound suppressed with viscous mounts	•	
High-resolution 203 mm (8") LCD touchscreen monitor	•	
Mechanically adjustable seat with headrest	•	
Automatic bi-level air conditioner	•	
Keyless push-to-start engine control	•	
Floor-mounted adjustable consoles	•	
One-button joystick	•	
AM/FM radio with USB and auxiliary port	•	
24V DC outlet	•	
Cup holder and storage compartments	•	
70/30 tempered glass windshield	•	
Upper radial wiper with washer	•	
Openable steel hatch	•	
Dome light	•	
Washable floor mat	•	
Operator Protective Guards (OPG)		•
ENGINE	STANDARD	OPTIONAL
Three selectable modes: Power, Smart, Eco	•	
Up to 52°C (125°F) high-ambient cooling capability	•	
Down to -18°C (0°F) cold start capability	•	
Down to -25°C (-13°F) cold start capability		•
Electric fuel priming pump	•	
Two-stage fuel filtration system	•	
Sealed double-element air filter with precleaner	•	
Variable speed fan	•	
One-touch low idle	•	
Automatic engine speed control	•	

ELECTRICAL SYSTEM	STANDARD	OPTIONAL
750 CCA maintenance-free batteries (×2)	•	
Electrical disconnect switch	•	
LED left-side boom and chassis lights	•	
LED right-side boom light		•
LED cab light		•
SERVICE AND MAINTENANCE	STANDARD	OPTIONAL
Grouped location of filters	•	
Radiator screen	•	
Scheduled Oil Sampling (S-O-S SM) ports	•	
HYDRAULIC SYSTEM	STANDARD	OPTIONAL
Electronic main control valve	•	
Boom and stick regeneration circuits	•	
Automatic hydraulic oil warm up	•	
Automatic two-speed travel	•	
High performance hydraulic return filter	•	
Hammer lines		•
Hammer floor pedal kit		•
SAFETY AND SECURITY	STANDARD	OPTIONAL
Anti-skid plating with countersunk bolts	•	
Handrail and handhold	•	
Lockable external tool/storage box	•	
Mirror package	•	
Signaling/warning horn	•	
Hydraulic lockout lever	•	
Rearview camera		•

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

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

© 2026 Caterpillar. All Rights Reserved. CAT, CATERPILLAR, LET'S DO THE WORK, VisionLink, their respective logos, Product Link, "Caterpillar Corporate Yellow", the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.
www.cat.com www.caterpillar.com

AEXQ4346-01 (07-2026)
Replaces: AEXQ4346-00
Build Number: 05F
(China)

