

M315 GC

WHEELED EXCAVATOR



Engine Power – ISO 14396
Operating Weight Maximum
Maximum Travel Speed

93 kW (125 hp)
15 600 kg (34,390 lb)
37 km/h (23 mile/h)



M315 GC

WHEELED EXCAVATOR

The Cat® M315 GC Wheeled Excavator helps increase your efficiency and productivity with comfort in the cab and easy-to-use controls so you get more work done every day. Low maintenance costs combined with fuel efficiency help put money back in your pocket.



DESIGNED FOR DAILY WORK

The M315 GC is easy to own and operate, providing the reliability and durability you expect from Cat products.

HIGH PERFORMANCE

Operate with ease. Blade control on the joystick and auto-axle lock help you get more work done every day.

ENHANCE COMFORT

The ergonomic control layout, touchscreen monitor, and improved visibility let you work comfortably and safely all shift long.

DO MORE WITH LESS FUEL



- The Cat® C4.4 engine meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- The M315 GC is fuel efficient to help keep you moving and productive on the job site.
- Travel between sites easily with travel speeds up to 37 kph (23 mph).
- Automatic Engine Speed Control helps reduce fuel consumption as it lowers engine speed when no operation is performed.
- The advanced hydraulic system provides the optimum balance of power and efficiency while providing the control needed for precise digging requirements.
- Auxiliary hydraulic options give you the versatility to use a wide range of Cat attachments.
- Don't let the temperature stop you from working. The wheeled excavator has a standard high-ambient temperature capability of 52° C (125° F).

***Not all features are available in all regions. Please check with your local Cat dealer for specific offering availability in your area.
Build Number: 05C***

LOW MAINTENANCE COSTS



- Quickly check and service your machine with daily maintenance points accessible from ground level.
- The hydraulic oil filter helps provide high filtration performance, anti-drain valves to help keep oil clean when the filter is replaced, and long life with a 2,000-hour replacement interval.
- Long greasing intervals and grouped grease points mean less downtime and more work getting done.
- Scheduled Oil Sampling (S-O-SSM) ports are located at ground level, helping simplify maintenance, and allowing for quick, easy extraction of fluid samples for analysis.
- Built on a long legacy of high performance and highly reliable wheeled excavators, our machine components are designed and manufactured to Caterpillar quality standards.
- Enjoy attachment commonality with the 313 GC, and common layout, systems, and parts with small excavators.
- A variety of attachments allow you to customize your machine to fit your needs. A long wheelbase undercarriage with parallel blade is available to help improve stability.

WORK IN COMFORT

- Ergonomically designed cab with controls kept to a minimum, conveniently located and easy to operate.
- Rollover Protective Structure (ROPS) cab structure and Operator Protective Guards (top and front guards) are available.
- Get in and out of the cab easily using the tilt-up left console and straight access from the ground.
- Conveniently located storage for lunch box, documents, and mobile phones helping to keep the operator comfortable during the work day.
- Optional Bluetooth® radio allows for seamless mobile phone connection to listen to music and podcasts and for hands-free calling.
- Air conditioning controls are located on the machine display and can easily be adjusted to your ideal temperature with the touchscreen monitor.



SIMPLE TO OPERATE



- Start up the machine easily with the push-to-start button.
- Operate the wheeled excavator comfortably with easy-to-reach and intuitive controls.
- Two-way travel pedal is convenient and helps maximize productivity.
- Further boost productivity with blade control on the joystick and auto-axle lock.
- To help reduce operator fatigue, the auto-axle lock will activate automatically when the travel pedal is in neutral and the machine speed is near zero.
- Standard high-resolution 203 mm (8 in) touchscreen monitor features:
 1. Continuously improved user interface allows for intuitive navigation, helping minimize performance interruption with the easy-to-use touchscreen menu.
 2. Identify applications quickly with a grid list view, abbreviated application names, and categorized menu options.
 3. The notification center keeps important information visible to the operator and displays messages without shrinking the camera view.
 4. Color coded notifications set critical messages apart from the rest.
 5. Use the in-monitor QR code to learn about machine features through a full suite of “how-to” videos.

SAFETY FEATURES

- Easy and safe access to daily service points.
- Standard LED lights give you a better view of your job site.
- The redesigned layout of the M315 GC helps provide improved right-side visibility compared to the M315. Rearview camera is standard.
- The service platform design provides easy, safe, and quick access to upper service platform; the service platform steps use anti-skid punch plate to prevent slipping.
- Grease points are grouped conveniently for quick and easy prevention lubrication.
- Use your PIN code on the monitor to enable the push button starting feature.
- The in-cab swing lock prevents front linkage from moving as you travel.
- Ground-level shutoff switch stops all fuel to the engine when activated and shuts down the machine.
- The ability to lock the main disconnect switch with a padlock helps protect the machine from unintentional use.
- Dedicated tie down points for safe truck transport.



SUSTAINABILITY

- The Cat C4.4 engine meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Cat engines are compatible with diesel fuel 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.
- Extended maintenance intervals not only reduce downtime but decrease the amount of fluid and filters that are replaced over the life of the machine.
- Auto Engine Speed Control reduces fuel burn and greenhouse gas emissions by allowing the engine to automatically go into idle mode when the machine is not working. Consult your Cat dealer or the machine’s operation and maintenance manual for more information.

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



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 best-in-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

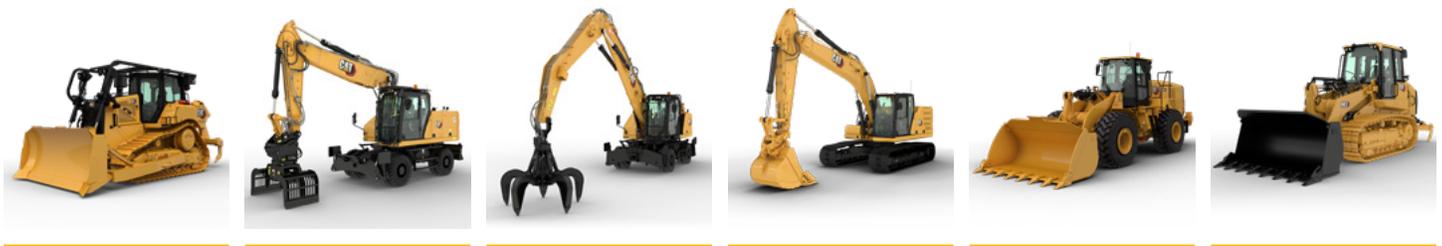
Genuine Cat parts deliver the highest level of reliability and productivity. Order direct from your Cat dealer or shop online at parts.cat.com.

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

WHEELED EXCAVATORS

MATERIAL HANDLERS

EXCAVATORS

WHEEL LOADERS

TRACK LOADERS

**Offerings and services may vary by region. Please consult your Cat dealer for availability in your area.*

INCREASE PRODUCTIVITY AND VERSATILITY

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 wheeled excavators for improved performance, safety, and stability.

BUCKETS



GRAPPLES



HYDRAULIC HAMMERS



VIBRATORY PLATE COMPACTORS



PIN GRABBER COUPLER



ORANGE PEEL GRAPPLES



SHEARS



PULVERIZERS



ROTARY CUTTERS



TECHNICAL SPECIFICATIONS

Engine

Engine Power – ISO 14396	93 kW	125 hp
Engine Model	Cat C4.4	
Net Power – ISO 9249	90 kW	121 hp
Bore	105 mm	4 in
Displacement	4.4 L	269 in ³
Stroke	127 mm	5 in
Emissions	Meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.	

Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.

Cat engines are compatible with diesel fuel 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.

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

Hydraulic System

Maximum Pressure – Implement Circuit – Normal	35 000 kPa	5,076 psi
Maximum Pressure – Implement Circuit – Travel Circuit	35 000 kPa	5,076 psi
Maximum Pressure – Auxiliary Circuit – Swing Mechanism	25 900 kPa	3,756 psi
Main System – Maximum Flow – Implement	245 L/min	65 gal/min

Drive

Maximum Travel Speed	37 km/h	23 mile/h
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Swing Mechanism

Maximum Swing Speed	11.5 r/min
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Machine Weight

Operating Weight Maximum	15 600 kg	34,390 lb
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Service Refill Capacities

Fuel Tank – Total Capacity	250 L	66 gal
Cooling System	23 L	6 gal
Engine Oil	15 L	4 gal
Hydraulic Tank	98 L	26 gal
Hydraulic System – Including Tank	230 L	61 gal
Rear Axle – Housing (Differential)	11 L	3 gal
Front Steering Axle – Differential	9 L	2 gal
Final Drive	2 L	1 gal
Powershift Transmission	3 L	1 gal

Dimensions

Boom	One-Piece Boom 4.65 m (15'3")	
Stick	2.5 m (8'2")	
Bucket	GD 0.65 m ³ (0.85 yd ³)	
Shipping Length	7877 mm	25.8 ft
Support Point	3220 mm	10.6 ft
Tail Swing Radius	2190 mm	7.2 ft
Counterweight Clearance	1264 mm	4.1 ft
Shipping Height with Falling Object Guard	3250 mm	10.7 ft
Machine Width with Blade with 10.00-20 tires	2550 mm	8.4 ft
Upperframe Width	2490 mm	8.2 ft
Height in Rooding Position	3970 mm	13 ft

Working Ranges and Forces

Boom Type	One-Piece Boom 4.65 m (15'3")	
Stick	2.5 m (8'2")	
Bucket	GD 0.65 m ³ (0.85 yd ³)	
Cutting Height	8763 mm	28.8 ft
Maximum Loading Height	6378 mm	20.9 ft
Maximum Digging Depth	5091 mm	16.7 ft
Vertical Wall Digging Depth	4198 mm	13.8 ft
Maximum Reach at Ground Line	8312 mm	27.3 ft

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1 kg (2.2 lb) of refrigerant, which has a CO₂ equivalent of 1.216 metric tonnes (1.340 tons).

STANDARD & OPTIONAL EQUIPMENT

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

	Standard	Optional		Standard	Optional
SAFETY AND SECURITY			UNDERCARRIAGE AND STRUCTURES		
Rear-view camera	✓		All wheel drive	✓	
Signal/warning horn	✓		Automatic brake/axle lock	✓	
Neutral lever (lock out) for all controls	✓		Creeper speed	✓	
Ground-level accessible secondary engine shutoff switch in cab	✓		Electronic swing and travel lock	✓	
Anti-skid plate and countersunk bolts on service platform	✓		Heavy-duty axles, advanced disc brake system and travel motor, adjustable braking force	✓	
Right-side-view camera		✓	Oscillating front axle, lockable, with remote greasing point	✓	
Travel alarm		✓	10.00-20 16 PR, dual tires	✓	
Rotating beacon on cab and chassis		✓	Steps, left and right, with tool box in undercarriage	✓	
Cat Asset tracker		✓	Two-piece drive shaft	✓	
Operator Protective Guards (OPG)		✓	Two speed hydrostatic transmission	✓	
BOOM, STICKS AND LINKAGES			Fenders, front and rear, steel	✓	
4.4 m (14'5") One-piece short boom		✓	2600 kg (5,730 lb) counterweight	✓	
4.65 m (15'3") One-piece boom		✓	Drive shaft guard		✓
2.2 m (7'3") stick		✓	ENGINE		
2.5 m (8'2") stick		✓	Cat C4.4 single turbo diesel engine	✓	
Bucket linkage; 312-type without lifting eye		✓	Power mode selector	✓	
SERVICE AND MAINTENANCE			One-touch low idle with automatic engine speed control	✓	
Scheduled Oil Sampling (S-O-S) ports	✓		Automatic engine idle shutdown	✓	
ELECTRICAL SYSTEM			Work up to 3000 m (9,842 ft) above sea level without engine power de-rating	✓	
LED lights on boom and cab	✓		52° C (125° F) high-ambient cooling capacity	✓	
Roading and indicator lights, front and rear	✓		Cold starting capability for -18° C (0° F)	✓	
Maintenance free batteries	✓		Double element air filter with integrated pre-cleaner	✓	
Centralized electrical disconnect switch	✓		Electric fuel priming pump	✓	
LED lights on chassis and counterweight (left and right-hand-side)		✓	Radiator screen		✓
1-slider joystick		✓			
Electrical refueling pump		✓			
HYDRAULIC SYSTEM					
Boom and stick drift reduction valves	✓				
Electronic main control valve	✓				
Element type main hydraulic filter	✓				
Automatic swing brake	✓				
Adjustable hydraulic aggressiveness	✓				
Advanced Tool Control (one/two way high-pressure flow)		✓			
Quick coupler circuit for Cat Pin Grabber and CW dedicated		✓			
Boom and stick lowering check valves		✓			



AEXQ3976-00
Build Number: 05C
(Afr-ME, Eurasia, India,
S Am, SE Asia)

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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