

# M315 GC

WHEELED EXCAVATOR



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<b>Engine Power (ISO 14396:2002)</b>	110 kW (148 hp)
<b>Operating Weight Maximum</b>	13 990 kg (30,840 lb)

Cat® C4.4 meets China Nonroad Stage IV emission standards.



# THE NEW CAT® M315 GC

PRODUCTIVITY

The Cat® M315 GC Wheeled Excavator increases your efficiency and productivity with more comfort in the cab and easy-to-use controls. Reduced maintenance costs combined with lower fuel consumption put money back in your pocket.



## NEXT GENERATION WHEELED EXCAVATORS

The new wheeled excavators match your performance needs to bring you:

- + LOWER OPERATING AND MAINTENANCE COSTS
- + INCREASED OPERATOR EFFICIENCY
- + MORE IN-CAB COMFORT



## INCREASED PERFORMANCE\*

Work faster with increased digging forces that improve productivity and lower fuel consumption up to 10% helping you get more work done every day.

## ENHANCED CAB COMFORT

Operate comfortably with the ergonomic control layout and cab options. Get better visibility with rear- and right-hand side-view cameras.

## UP TO 15% MAINTENANCE SAVINGS\*

Fewer maintenance costs, combined with all major daily and regular service points at ground-level and extended service intervals, increase uptime and keep costs down.

\* Compared to the M315D2

## UP TO 15% LESS MAINTENANCE COSTS



**LESS MAINTENANCE,  
MORE PROFITABILITY**

NOTE: COMPARISON IS BASED ON THE M315D2.



## CAT TECHNOLOGY

Cat Equipment Management 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, idle time, maintenance alerts, diagnostic codes, and machine health can be viewed online through web and mobile applications.

Get in and out of the cab more easily with the tilt-up left console and straight access from the ground.

# CAB TAKES THE HARD OUT OF WORK



## ERGONOMIC CONTROL LAYOUT

Controls are positioned to reduce fatigue and straining movements to help keep you operating at your full potential.

## COMFORTABLE OPERATOR ENVIRONMENT

Conveniently located storage for lunch box, documents, mobile phones helping to keep the operator comfortable during the work day.

## BLUETOOTH® CONNECTION

Bluetooth-integrated radio allows for seamless mobile phone connection to listen to music, podcasts, and hands-free calling.

## LONGER SERVICE INTERVALS

The in-cab monitor tracks filter life and machine intervals, so you always know when it's time for regular machine service.

## GROUND-LEVEL ACCESS

Access from ground level to most major daily and regular service points, minimizing the need to access the upper platform.

## NEW FILTERS

Two levels of filtration protect your engine from dirty diesel. The new hydraulic oil filter improves filtration performance and lasts up to 50% longer than previous filter designs.





## KEYLESS PUSH START

Start up the machine easily with the push-to-start button.



## MACHINE SETTINGS

Access the power mode selector to keep productivity while using less fuel. Automatic travel lock is easy and convenient to use, not requiring a specific pin.



## OPERATOR COMFORTS

Comfortable suspended seat with headrest. Slim and adjustable steering column for best visibility and comfort. Two-way travel pedal and foot rest to further increase comfort and productivity.



## TOUCHSCREEN MONITOR

Use the standard 203 mm (8-in) touchscreen monitor to adjust your heating/cooling setting for more comfort or to view your machine information.

LOOK OUT FOR YOUR PEOPLE AND YOUR EQUIPMENT

# SAFETY FEATURES



## 1,148 WAYS TO STAY SAFE.

**FACT:**

**SLIPPING IS ONE OF THE BIGGEST CONTRIBUTORS TO WORKPLACE INJURIES.\***



**OUR ANTI-SKID PLATES FEATURE**

**1,000+** INDIVIDUAL PERFORATIONS FOR BETTER TRACTION

\*SOURCE: [HTTPS://WWW.OSHA.GOV/DTE/GRANT\\_MATERIALS/FY07/SH-16625-07/SLIPSTRIPSFALLS.PPT](https://www.osha.gov/dte/grant_materials/fy07/sh-16625-07/slipstripsfalls.ppt)

Most daily maintenance checks can be performed from ground level, making maintenance faster, easier, and safer. Standard LED lights give you a better view of your jobsite.

- + Enjoy better visibility into trenches in each swing direction. Smaller cab pillars, larger windows, and a flat engine hood design lower obstruction to your view. Rearview and side-view cameras are available for a better view around you.
- + The service platform design provides easy, safe, and quick access to upper platform. The steps use anti-skid punch plate to prevent slipping.
- + Grease points are grouped conveniently for easy and quick prevention lubrication.
- + Built on a long legacy of high performance and highly reliable wheeled excavators, our machine components are designed and manufactured to Caterpillar quality standards.



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**



**HYDRAULIC HAMMERS**



**VIBRATORY PLATE COMPACTORS**



# TECHNICAL SPECIFICATIONS

See [cat.com](http://cat.com) for complete specifications.

ENGINE		
Engine Model	Cat® C4.4	
Engine Power – ISO 14396	110 kW	148 hp
Net Power – ISO 9249	104 kW	139 hp
Bore	105 mm	4.0 in
Stroke	127 mm	5.0 in
Displacement	4.4 L	268.5 in <sup>3</sup>
Number of Cylinders	4	
<ul style="list-style-type: none"> <li>• Meets China Nonroad Stage IV emission standards.</li> <li>• Net power advertised is the power available at the flywheel when engine is equipped with air cleaner, CEM exhaust gas aftertreatment, alternator, and cooling fan running at intermediate speed.</li> <li>• Recommended for use up to 3000 m (9,843 ft) altitude with engine power derate above 3000 m (9,843 ft).</li> <li>• Rated speed 2,000 rpm.</li> <li>• Advertised power is tested per the specified standard in effect at the time of manufacture.</li> </ul>		

HYDRAULIC SYSTEM		
Maximum Pressure – Implement Circuit		
Normal	35 000 kPa	5,076 psi
Heavy Lift	35 000 kPa	5,076 psi
Travel Circuit	35 000 kPa	5,076 psi
Maximum Pressure – Auxiliary Circuit		
High Pressure	35 000 kPa	5,076 psi
Swing Mechanism	25 900 kPa	3,756 psi
Maximum Flow		
Implements	245 L/min	65 gal/min
Travel Circuit	180 L/min	48 gal/min
Auxiliary Circuit		
High Pressure	100 L/min	26.4 gal/min
Swing Mechanism	122 L/min	32.2 gal/min
Cylinders		
Boom Cylinder (one-piece) – Bore	105 mm	0'4"
Boom Cylinder (one-piece) – Stroke	932 mm	3'1"
Stick Cylinder – Bore	115 mm	0'5"
Stick Cylinder – Stroke	1147 mm	3'9"
Bucket Cylinder – Bore	95 mm	0'4"
Bucket Cylinder – Stroke	939 mm	3'1"

SWING MECHANISM		
Maximum Swing Speed	11.5 rpm	
Maximum Swing Torque	34 kN	25,234 lbf-ft

MACHINE WEIGHTS*		
Operating Weight	13 990 kg	30,840 lb
Typical configurations:		
One-Piece Boom **		
Rear Blade Only	13 990 kg	30,840 lb
* Operating weight includes full fuel tank, operator, GD bucket and dual pneumatic tires. Weight varies depending on configuration.		
** Typical configurations include 2.2 m (7'3") stick and 2600 kg (5,732 lb) counterweight.		

SERVICE REFILL CAPACITIES		
Fuel Tank (total capacity)	250 L	66.0 gal
Cooling System	23 L	6.1 gal
Engine Oil	15 L	4.0 gal
Hydraulic Tank	98 L	25.9 gal
Hydraulic System (including tank)	230 L	61 gal
Rear Axle Housing (differential)	11 L	2.9 gal
Front Steering Axle (differential)	9.0 L	2.4 gal
Final Drive (each)	2.0 L	0.5 gal
Powershift Transmission	3.0 L	0.8 gal

DIMENSIONS		
Boom	One-Piece Boom 4.4 m (14'5")	
Stick	2.2 m (7'3")	
Shipping Height without Falling Object Guard (highest point between Boom and Cab)	3131 mm	10'3"
Shipping Length	7920 mm	26'0"
Support Point	2414 mm	7'11"
Tail Swing Radius	2190 mm	7'2"
Counterweight Clearance	1264 mm	4'2"
Cab Height		
No Falling Object Guard	3131 mm	10'3"
With Falling Object Guard	3245 mm	10'8"
Machine Width with Blade with 10.00-20 tires	2540 mm	8'3"
Upperframe Width	2490 mm	8'2"
Height in Rooding Position	3675 mm	12'1"

WORKING RANGES AND FORCES			
Boom Type	One-Piece Boom 4.4 m (14'5")		
Stick	2.2 m (7'3")		
Bucket	GD		
Pin Grabber Quick Coupler	No	Yes	
Maximum Cutting Height	8254 mm	27'1"	8392 mm 27'6"
Maximum Loading Height	5892 mm	19'4"	5722 mm 18'9"
Maximum Digging Depth	4624 mm	15'2"	4795 mm 15'9"
Maximum Vertical Wall Digging Depth	3777 mm	12'5"	2962 mm 9'9"
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	4361 mm	14'4"	4556 mm 14'11"
Maximum Reach	7941 mm	26'1"	8112 mm 26'7"
Maximum Reach at Ground Line	7739 mm	25'5"	7914 mm 26'0"
Minimum Loading Height	2394 mm	7'10"	2223 mm 7'4"
Minimum Front Swing Radius	2600 mm	8'6"	2600 mm 8'6"
Bucket Forces (ISO)	73 kN	16,411 lbf	69 kN 15,512 lbf
Stick Forces (ISO)	98 kN	22,031 lbf	83 kN 18,659 lbf
Bucket Capacity	0.65 m <sup>3</sup>	0.85 yd <sup>3</sup>	0.65 m <sup>3</sup> 0.85 yd <sup>3</sup>
Bucket Tip Radius (Pin-On)	1225 mm	4'0"	— —
Bucket Tip Radius (QC)	—	—	1395 mm 4'7"
• Range values are with dual pneumatic tires (10.00-20).			

# STANDARD & OPTIONAL EQUIPMENT

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

BOOM, STICKS AND LINKAGES	STANDARD	OPTIONAL
4.4 m (14'5") One-piece boom	●	
2.2 m (7'3") stick	●	
Bucket linkage, 312-family without lifting eye		●
ELECTRICAL SYSTEM	STANDARD	OPTIONAL
LED lights on boom and cab	●	
LED lights on chassis (right-hand-side)		●
Roading and indicator lights, front and rear	●	
Maintenance free batteries	●	
Centralized electrical disconnect switch	●	
Electrical refueling pump		●
ENGINE	STANDARD	OPTIONAL
Cat® C4.4 Single Turbo diesel engine	●	
Power mode selector	●	
One-touch low idle with automatic engine speed control	●	
Automatic idle shutdown	●	
Work up to 3000 m (9,840 ft) altitude capability above sea level without engine power de-rating	●	
52° C (125° F) high-ambient cooling capacity	●	
Cold starting capability for -18° C (0° F)		●
Cold starting capability for -25° C (-13° F)		●
Double element air filter with integrated pre-cleaner	●	
Electric fuel priming pump	●	
Biodiesel capability up to B20	●	
HYDRAULIC SYSTEM	STANDARD	OPTIONAL
Boom, stick and bucket drift reduction valves	●	
Electronic main control valve	●	
Element type main hydraulic filter	●	
1-slider joystick		●
3-button joystick		●
Advanced Tool Control (one/two way high-pressure flow with drift reduction)		●
Quick coupler circuit for Cat Pin Grabber		●
Automatic swing brake	●	
Adjustable hydraulic aggressiveness	●	

SAFETY AND SECURITY	STANDARD	OPTIONAL
Rear-view camera	●	
Right-side-view camera		●
Travel alarm		●
Signal/warning horn	●	
Rotating beacon on cab		●
Cat Asset tracker		●
Neutral lever (lock out) for all controls	●	
Ground-level accessible secondary engine shutoff switch in cab	●	
Anti-skid plate and countersunk bolts on service platform	●	
SERVICE AND MAINTENANCE	STANDARD	OPTIONAL
Scheduled Oil Sampling (S-O-S <sup>SM</sup> ) ports	●	
TECHNOLOGY	STANDARD	OPTIONAL
Cat Product Link™	●	
UNDERCARRIAGE AND STRUCTURES	STANDARD	OPTIONAL
All wheel drive	●	
Automatic brake/axle lock	●	
Creeper speed	●	
Electronic swing and travel lock	●	
Heavy-duty axles, advanced disc brake system and travel motor, adjustable braking force	●	
Oscillating front axle, lockable, with remote greasing point	●	
10.00-20 16 PR, dual tires	●	
Steps with left-hand tool box in undercarriage	●	
Two-piece drive shaft	●	
Two speed hydrostatic transmission	●	
Rear blade undercarriage with bucket rest	●	
Fenders, front and rear, steel	●	
2600 kg (5,730 lb) counterweight	●	
Drive shaft guard		●
Radiator screen		●

**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 M315 GC available at [www.cat.com](http://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](http://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.

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[www.cat.com](http://www.cat.com) [www.caterpillar.com](http://www.caterpillar.com)

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