



Cat[®] M315

Wheeled Excavator

The Cat[®] M315 Excavator provides top performance with up to 15 percent more swing torque to boost productivity. Save time and money with up to 10 percent savings in maintenance costs, longer service intervals, and daily ground level maintenance. The M315 gives you the power to work longer while putting money in your pocket. Not all features are available in all regions. Consult your Cat dealer for specific configurations available in your region.

High Performance with Lower Fuel Consumption

- The Cat engine matches to your performance and production needs. The engine emits equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Travel between sites easier with travel speeds up to 37 kph (23 mph).
- From dirt to asphalt, the excavator matches your needs to get the job done in a timely, efficient manner.
- The advanced hydraulic system provides the optimum balance of power and efficiency while giving you the control you need for precise working requirements.
- With up to 15 percent more swing torque, you can get the job done faster to move on to the next one. The dedicated swing pump provides consistent power for better multitasking capabilities.
- 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 excavator has a standard high-ambient temperature capability of 52°C (125°F) and cold start capability of -18°C (0°F).
- Standard Product Link[™] provides location, machine hours, fuel usage, productivity, idle time, diagnostic codes, and other machine data on demand through the VisionLink online interface, helping you improve jobsite efficiency and lowering operating costs.

Lower Maintenance Costs

- Quickly check and service your machine with daily maintenance points accessible from ground level.
- Check the engine oil level quickly and safely from the ground.
- Save up to 10 percent in maintenance parts with the new, longer lasting filters.
- Track your machine's filter life and maintenance intervals on the in-cab monitor.
- Two levels of fuel filtration protect the engine from dirty diesel.
- 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.
- S•O•SSM ports are located at ground level, simplifying maintenance and allowing for quick, easy extraction of fluid samples for analysis.
- Stow your gear with plenty of in-cab storage beneath and behind the seat, overhead, and in the consoles. A cup holder, bottle holder, and coat hook are also provided.
- Bluetooth[®] integrated radio allows for seamless mobile phone connection to listen to music and podcasts and for hands-free calling.
- Easily adjust to your ideal temperature with the touchscreen monitor or jog dial.

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Work in Comfort

- Choose between Comfort and Deluxe cab options.
- The Deluxe seat is heated and air adjustable.
- Get in and out of the cab easier using the tip-up left console.
- Feel more comfortable in the cab while you work with reduced cab vibrations from advanced viscous mounts.
- Control the excavator comfortably with easy-to-reach controls.

Simple to Operate

- Start the engine with the push-to-start button, a Bluetooth key fob, or the unique Operator ID function.
- Program your power mode and joystick preferences using Operator ID; the excavator remembers your settings each time you go to work.
- Navigate quickly on the standard high-resolution 203 mm (8 in) or optional 254 mm (10 in) touchscreen monitor or with the aid of the jog dial control.
- Not sure how a function works or how to maintain the excavator? Simply access the operator's manual on the touchscreen monitor.
- The auto axle lock presses the pedal for you to reduce your overall number of actions. The machine automatically detects when the service brake and axle need to be locked or unlocked. It releases automatically when you press the travel pedal.

Safety

- Access daily maintenance points from ground level.
- Keep your excavator secure with Operator ID. Use your PIN code on the monitor to enable the pushbutton starting feature.
- The standard ROPS cab meets ISO 12117-2:2008 requirements.
- Enjoy better visibility into trenches, in each swing direction, and behind you with the help of smaller cab pillars, larger windows, and a flat engine hood design. Rearview and sideview cameras are 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.
- The standard hydraulic lockout lever isolates all hydraulic and travel functions in the lowered position.
- 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.

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
CAB			BOOM AND STICKS		
ROPS, sound suppression	✓		4650 mm (15' 3") one-piece boom	✓	
Comfort cab	✓		2200 mm (7' 3") stick		✓
Deluxe cab		✓	2500 mm (8' 2") stick		✓
High-resolution 203 mm (8 in) LCD touchscreen monitor	✓		UNDERCARRIAGE AND STRUCTURES		
High-resolution 254 mm (10 in) LCD touchscreen monitor		✓	Tires, 9.00-20 16 PR, dual	✓	
CAT TECHNOLOGY			Automatic brake/axle lock	✓	
Cat Product Link	✓		3100 kg (6,834 lb) counterweight	✓	
Remote Flash/Troubleshoot capability	✓		All wheel drive	✓	
ENGINE			ELECTRICAL SYSTEM		
Power mode selector	✓		LED lights on boom and cab	✓	
One-touch low idle with auto engine speed control	✓		LED lights on chassis (left-hand, right-hand) and counterweight		✓
Auto engine idle shutdown	✓		Programmable time-delay LED working lights	✓	
52°C (125°F) high-ambient cooling capacity	✓		Roading and indicator lights, front and rear	✓	
-18°C (0°F) cold start capability	✓		Maintenance free batteries	✓	
Double element air filter with integrated precleaner	✓		Centralized electrical disconnect switch	✓	
Biodiesel capability up to B20	✓		Electrical refueling pump		✓
HYDRAULIC SYSTEM			SERVICE AND MAINTENANCE		
Automatic swing brake	✓		Sampling ports for Scheduled Oil Sampling (S•O•S)	✓	
Auto hydraulic oil warm up	✓		Ground-level and platform-level engine oil dipsticks	✓	
Electronic main control valve	✓		SAFETY AND SECURITY		
Boom and stick drift reduction valves	✓		Rear- and side-view cameras		✓
One-slider joysticks	✓		Wide angle mirrors	✓	
Advanced tool control (one/two way high-pressure flow with drift reduction)	✓		Ground-level engine shutoff switch	✓	
Medium pressure auxiliary circuit (one/two way medium-pressure flow)		✓	Anti-skid plate	✓	
Quick coupler circuit		✓	Signaling/warning horn	✓	
Boom and stick lowering check valves		✓			
Separate dedicated swing pump	✓				

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 and additional regional offerings, refer to the Technical Specifications brochure available at www.cat.com or your Cat dealer.

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Technical Specifications

Engine		
Engine Model	C3.6	
Net Power (ISO 14396:2002)	90 kW	121 hp
Bore	98 mm	3.9 in
Stroke	120 mm	5 in
Displacement	3.6 L	221 in ³

- Emits equivalent to Tier 3 and Stage IIIA.
- Net power is tested per ISO 9249:2007. Standards in effect at the time of manufacture.
- Net power available at flywheel when the engine is equipped with fan, air cleaner, muffler, and alternator with engine speed at 2,000 rpm.
- Recommended for use up to 3000 m (9,843 ft) altitude with engine power derate above 3000 m (9,843 ft).
- Rated speed 2,000 rpm.

Hydraulic System		
Main System – Maximum Flow – Implement	270 L/min	71 gal/min
Maximum Pressure – Equipment	35 000 kPa	5,076 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	35 500 kPa	5,149 psi

Swing Mechanism		
Swing Speed	9.1 rpm	
Maximum Swing Torque	39 kN-m	28,860 lb-ft

Machine Weight		
Operating Weight Minimum	15 100 kg	33,290 lb
Operating Weight Maximum	15 700 kg	34,610 lb
• Operating weight includes full fuel tank, operator, 500 kg (1,102 lb) bucket and 9.00-20 dual pneumatic tires. Weight varies depending on configuration.		

Service Refill Capacities		
Fuel Tank	295 L	77.9 gal
Cooling System	20 L	5.3 gal
Engine Oil	9 L	2.4 gal
Final Drive	2.4 L	0.6 gal
Hydraulic System (including tank)	220 L	58.1 gal
Hydraulic Tank	90 L	23.8 gal

Dimensions		
Boom	4650 mm (15' 3")	
Stick	2.2 m (7' 3")	
Bucket	GD 0.76 m ³ (0.99 yd ³)	
Shipping Height (top of cab)	3285 mm	10' 9"
Support Point	2800 mm	9' 2"
Shipping Length	7770 mm	25' 6"
Tail Swing Radius	2150 mm	7' 1"
Counterweight Clearance	1230 mm	4' 0"
Ground Clearance	305 mm	1' 0"
Undercarriage Length (rear outrigger/front blade)	4920 mm	16' 2"
Wheel Base	2500 mm	8' 2"

Working Ranges and Force		
Boom Type	One-Piece Boom	
Stick	R2.2 (7' 3")	
Bucket	GD 0.76 m ³ (0.99 yd ³)	
Digging Height	8730 mm	28' 8"
Dump Height	6000 mm	19' 8"
Digging Depth	4980 mm	16' 4"
Reach at Ground Level	8190 mm	26' 10"
Vertical Wall Digging Depth	4320 mm	14' 2"

- Range values are with dual pneumatic tires (9.00-20).
- Range values are calculated with a GD bucket (CW) and CW-20-D.4.N quick coupler with a tip radius of 1387 mm (4' 7").

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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