



Cat[®] M318

Wheeled Excavator

The Cat[®] M318 Wheeled Excavator provides top performance with 14 percent more swing torque and features unmatched versatility with full tiltrotator integration and advanced hydraulics. Save time and money with up to 10 percent overall savings in maintenance costs, longer service intervals, and 100 percent daily ground level maintenance. The M318 gives you the power to work longer while keeping 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 meets U.S. EPA Tier 4 Final, EU Stage V, and Korea Tier 4 Final emission standards.
- Travel between sites easier with travel speeds up to 35 kph (21.7 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 14 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.

Work in Comfort

- Choose between Deluxe and Premium cab options.
- The Deluxe seat is heated and air adjustable, while the Premium seat is heated, cooled, and adjusts automatically.
- 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.
- 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, podcasts, and hands-free calling.
- Easily adjust to your ideal temperature with the touchscreen monitor or jog dial.



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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.

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 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.
- Save time in the morning with the auto hydraulic warmup. It brings your machine up to operating temperature quickly and efficiently.

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 push-button 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 the 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.
- Travel and swing lock prevent 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			UNDERCARRIAGE AND STRUCTURES		
ROPS, sound suppression	✓		10.00-20 16 PR, dual tires		✓
Deluxe cab		✓	315/70R22.5, no gap dual tires ⁽¹⁾		✓
Premium cab		✓	445/70R 19.5, single tires		✓
High-resolution 254 mm (10 in) LCD touchscreen monitor	✓		Automatic brake/axle lock	✓	
Product Link	✓		3700 kg (8,157 lb) counterweight		✓
Remote flash/troubleshoot capability	✓		4200 kg (9,259 lb) counterweight		✓
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	✓		Roading and indicator lights, front and rear	✓	
52° C (125° F) high-ambient cooling capacity	✓		Maintenance free batteries	✓	
-18° C (0° F) cold start capability	✓		Centralized electrical disconnect switch	✓	
Double element air filter with integrated precleaner	✓		Electrical refueling pump		✓
Biodiesel capability up to B20	✓		SERVICE AND MAINTENANCE		
Electric priming pump	✓		Sampling ports for Scheduled Oil Sampling (S•O•S)	✓	
HYDRAULIC SYSTEM			Ground-level and platform-level engine oil dipsticks	✓	
Automatic swing brake	✓		Automatic lubrication system for implement and swing system		✓
Auto hydraulic oil warmup	✓		SAFETY AND SECURITY		
Electronic main control valve	✓		Rearview and right-side view cameras	✓	
Boom and stick drift reduction valves	✓		360° visibility		✓
Boom/stick lowering check valves		✓	Wide angle mirrors	✓	
SmartBoom™		✓	Ground level engine shutoff switch	✓	
Ride control		✓	Anti-skid plate	✓	
Cat TRS support		✓	Signaling/warning horn	✓	
Joystick steering		✓	Rotating beacon		✓
Slider joysticks (2 types)		✓			
Combined flow/high-pressure auxiliary circuit		✓			
Quick coupler circuit		✓			
BOOM AND STICKS					
5205 mm (17'1") variable adjustable boom		✓			
2200 mm (7'3") stick ⁽¹⁾		✓			
2500 mm (8'2") stick		✓			
2900 mm (9'6") stick ⁽²⁾		✓			

⁽¹⁾All regions except North America

⁽²⁾All regions except South Korea

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Technical Specifications

Engine

Engine Model	C4.4	
Engine Power (ISO 14396)	129 kW	174 hp
Engine Power (ISO 14396) metric	131 kW	176 hp (PS)
Bore	105 mm	4 in
Stroke	127 mm	5 in
Displacement	4.4 L	268.5 in ³

- Meets U.S. EPA Tier 4 Final, EU Stage V, and Korea Tier 4 Final emission standards.
- Net power advertised is the power available at the flywheel when engine is equipped with fan, air cleaner, CEM exhaust gas aftertreatment, alternator, and cooling fan running at intermediate speed.
- Recommended for use up to 3000 m (9,843 ft) altitude with engine power derate above 3000 m (9,843 ft).
- Rated speed 2,200 rpm.

Hydraulic System

Main System – Maximum Flow – Implement	254 L/min	67 gal/min
Maximum Pressure – Equipment	37 000 kPa	5,366 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	35 500 kPa	5,149 psi

Swing Mechanism

Swing Speed	9.4 rpm	
Maximum Swing Torque	44 kN·m	32,560 lbf·ft

Machine Weight

Operating Weight Minimum	17 500 kg	38,580 lb
Operating Weight Maximum	19 950 kg	43,980 lb

- Operating weight includes full fuel tank, operator, bucket 610 kg (1,340 lb), and dual pneumatic tires. Weight varies depending on configuration.
- Typical configurations include 2500 mm (8'2") medium stick and 3700 kg (8,157 lb) counterweight.

Service Refill Capacities

Fuel Tank	350 L	92.5 gal
Cooling System	32 L	8.5 gal
Engine Oil	11 L	2.9 gal
Diesel Exhaust Fluid (DEF)	20 L	5.3 gal
Final Drive	2.5 L	0.7 gal
Hydraulic System (including tank)	260 L	68.7 gal
Hydraulic Tank	120 L	31.7 gal

Dimensions

Boom	5205 mm	17' 1"
Stick	2.5 m	8' 2"
Bucket	0.91 m ³ GD (1.19 yd ³)	
Shipping Height (top of cab)	3360 mm	11' 0"
Support Point	3520 mm	11' 7"
Shipping Length	8470 mm	27' 9"
Tail Swing Radius	2350 mm	7' 9"
Counterweight Clearance	1301 mm	4' 3"
Ground Clearance	325 mm	1' 1"
Undercarriage Length (rear blade)	4440 mm	14' 7"
Wheel Base	2700 mm	8' 10"

Working Ranges and Force

Boom Type	VA Boom	
Stick	2.5 m	8' 2"
Bucket	0.91 m ³ GD (1.19 yd ³)	
Loading Height	7300 mm	23' 11"
Cutting Height	10 260 mm	33' 8"
Digging Height	5890 mm	19' 4"
Reach at Ground Level	9210 mm	30' 3"
Vertical Wall Digging Depth	4600 mm	15' 1"
Bucket Forces (ISO)	119 kN	26,752 lbf
Stick Forces (ISO)	75 kN	16,861 lbf

- Range values are with dual pneumatic tires (10.00-20).
- Range values are calculated with a GD bucket (CW) and CW-30 quick coupler with a tip radius of 1484 mm (4'10").
- Force values are calculated with heavy lift on, a GD bucket (pin-on), and a tip radius of 1378 mm (4'6").

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.85 kg of refrigerant which has a CO₂ equivalent of 1.216 metric tonnes.

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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