

M316

WHEELED EXCAVATOR



Engine Power (ISO 14396:2002)	110 kW (148 hp)
Operating Weight Maximum	18 400 kg (40,560 lbs)

Cat® C4.4 engine meets U.S. EPA Tier 4 Final, EU Stage V, and Korea Tier 4 Final emission standards.



THE NEW CAT® M316

BOOSTING EFFICIENCY

The Cat M316 increases your productivity with more comfort in the cab, full tiltrotator integration, and easy-to-use controls. Lower fuel and maintenance costs puts money back in your pocket.



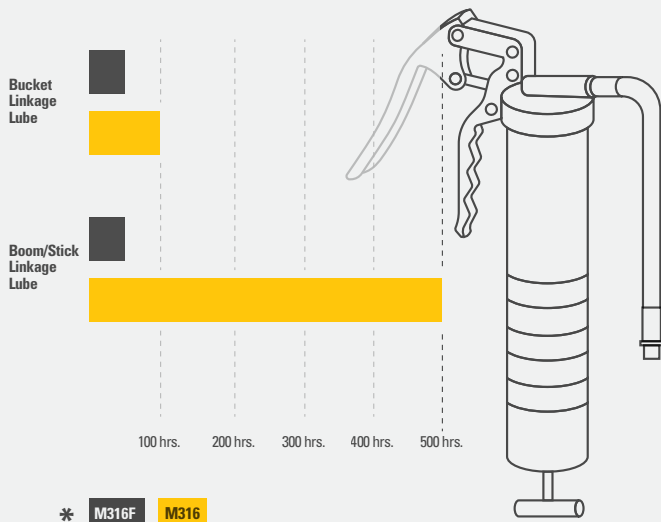
NEXT-GENERATION WHEELED EXCAVATORS

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

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



DO MORE WORK WITH EXTENDED INTERVALS



MAXIMIZE PERFORMANCE

Work faster with up to 14% more swing torque with lower fuel and DEF consumption. Tiltrotator integration gives you more versatility to complete more tasks faster with one machine.

ENHANCED CAB COMFORT

Operate comfortably with the ergonomic control layout and cab options. Get better visibility with rear- and side-view cameras and an optional 360-degree machine view system.

UP TO 10% MAINTENANCE SAVINGS¹

Fewer maintenance costs, combined with 100% daily ground-level maintenance and extended service intervals, increases uptime and keeps overall costs down.

¹ Compared to the M316F

CAT LINK TECHNOLOGY

TAKES THE GUESSWORK OUT OF MANAGING YOUR EQUIPMENT

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



VISIONLINK®

Access information anytime, anywhere with VisionLink. Use it to make informed decisions that boost productivity, lower costs, simplify maintenance, and improve safety and security on your jobsite. With different subscription level options, your Cat dealer can help you configure exactly what you need to connect your fleet and manage your business without paying for extras you don't want. Subscriptions are available with cellular or satellite reporting (or both).



Remote Services is a suite of technologies that improve your jobsite efficiency.

Remote Troubleshoot allows your Cat dealer to perform diagnostic testing on your connected machine remotely, pinpointing potential issues while the machine is in operation. Remote Troubleshoot helps ensure the technician arrives with the correct parts and tools the first time, eliminating additional trips to save you time and money.

Remote Flash updates on-board software to potentially reduce update time by as much as 50 percent. You can initiate the update when convenient, increasing your overall operating efficiency.

The **Cat App** helps you manage your assets – at any time – right from your smartphone. You can see your fleet location, hours, and other information. You will get critical alerts for required maintenance, and you can even request service from your local Cat dealer.

Get in and out of the cab more easily with the tilt-up left console. Deluxe and Premium cab options offer supreme comfort from a heated/cooled seat to automatic temperature control.

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.

REDUCED CAB VIBRATIONS

Feel more comfortable in the cab while you work with reduced cab vibrations from advanced viscous mounts.

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

Complete your daily machine checks entirely from the ground, 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 percent longer than previous filter designs.





KEYLESS PUSH START

Start the engine with the push-to-start button or using the unique Operator ID function.



MACHINE SETTINGS

Access the operator manual at your fingertips as well as the power mode selector to keep productivity while using less fuel.



JOYSTICK PREFERENCES

Program your preferred power mode and joystick preferences with your Operator ID. Once you enter in your Operator ID, the excavator remembers your settings each time.



TOUCHSCREEN MONITOR

Use the standard 254 mm (10-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



STAY SAFE EVERY DAY

FACT:

#1 cause of construction accidents: **FALLS***

49% OF FALLS RESULT IN SERIOUS INJURY

30% OF FALLS RESULT IN DEATH

100% **GROUND-LEVEL MAINTENANCE** HELPS PREVENT FALLS

FALLS



*<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4962179/>

Daily maintenance checks can be performed with 100% of the points accessible from ground level, making maintenance faster, easier, and safer. Standard LED lights gives you a better view of your jobsite.

- + ENJOY BETTER VISIBILITY INTO TRENCHES, IN EACH SWING DIRECTION, AND BEHIND YOU. SMALLER CAB PILLARS, LARGER WINDOWS, AND A FLAT ENGINE HOOD DESIGN LOWERS OBSTRUCTION TO YOUR VIEW ALONG WITH THE OPTIONAL 360-DEGREE VIEW SYSTEM. REARVIEW AND SIDE-VIEW CAMERAS ARE AVAILABLE FOR A BETTER VIEW AROUND YOU.
- + THE STANDARD SOUND SUPPRESSION ROPS CAB MEETS ISO 12117-2:2008 REQUIREMENTS AND HELPS TO BLOCK THE NOISE TO STAY FOCUSED ON THE JOB.
- + THE SERVICE PLATFORM DESIGN PROVIDES EASY, SAFE, AND QUICK ACCESS TO UPPER PLATFORM. THE STEPS USE ANTI-SKID PUNCH PLATES TO PREVENT SLIPPING.
- + 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.

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



QUICK COUPLER



**VIBRATORY PLATE
COMPACTORS**



TILTROTATOR



PIN GRABBER COUPLER



TECHNICAL SPECIFICATIONS

See cat.com for complete specifications.

ENGINE		
Engine Model	Cat C4.4	
Engine Power – ISO 14396:2002	110 kW	148 hp
Bore	105 mm	4 in
Stroke	127 mm	5 in
Displacement	4.4 L	268.5 in ³
<ul style="list-style-type: none"> • Meets U.S. EPA Tier 4 Final and EU Stage V 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 derating above 3000 m (9,843 ft). • Rated speed 2,000 rpm. 		

HYDRAULIC SYSTEM		
Main System – Maximum Flow Implement	275 L/min	73 gal/min
Maximum Pressure – Equipment	35 000 kPa	5,076 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	35 000 kPa	5,076 psi

SWING MECHANISM		
Swing Speed	10.2 rpm	
Maximum Swing Torque	44 kN-m	32,560 lbf-ft

WEIGHTS		
Operating Weight Minimum	17 000 kg	37,480 lb
Operating Weight Maximum	18 400 kg	40,560 lb

SERVICE REFILL CAPACITIES		
Fuel Tank	350 L	92.5 gal
Cooling System	24 L	6.3 gal
Engine Oil	13 L	3.4 gal
Diesel Exhaust Fluid (DEF) Tank	30 L	7.9 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	Reach 5205 mm (17'1")	
Stick	Reach 2.2 m (7'3")	
Bucket	GD 0.8 m ³ (1.05 yd ³)	
Shipping Height (top of cab)	3194 mm	10'6"
Support Point	3870 mm	12'8"
Shipping Length	8630 mm	28'4"
Tail Swing Radius	2350 mm	7'9"
Counterweight Clearance	1301 mm	4'3"
Ground Clearance	395 mm	1'4"
Undercarriage Length	4970 mm	16'4"
Wheel Base	2550 mm	8'4"

WORKING RANGES AND FORCES		
Boom Type	VA Boom	
Stick	Reach 2.2 m (7'3")	
Bucket	GD 0.8 m ³ (1.05 yd ³)	
Loading Height	7140 mm	23'5"
Cutting Height	10 110 mm	33'2"
Digging Depth	5630 mm	18'6"
Reach at Ground Level	8970 mm	29'5"
Vertical Wall Digging Depth	4410 mm	14'6"
<ul style="list-style-type: none"> • 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"). 		

AIR CONDITIONING SYSTEM		
<ul style="list-style-type: none"> • 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. 		

STANDARD & OPTIONAL EQUIPMENT

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

CAB	STANDARD	OPTIONAL
ROPS, sound suppression	•	
Deluxe Cab		•
Premium Cab		•
High-resolution 254 mm (10 in) LCD touchscreen monitor	•	
CAT TECHNOLOGY	STANDARD	OPTIONAL
Product Link	•	
Remote Flash/Troubleshoot capability	•	
ENGINE	STANDARD	OPTIONAL
Power mode selector	•	
One-touch low idle with auto engine speed control	•	
Auto engine idle shutdown	•	
52°C (125°F) high-ambient cooling capacity	•	
-18°C (0°F) cold start capability	•	
Double element air filter with integrated precleaner	•	
Biodiesel capability up to B20	•	
HYDRAULIC SYSTEM	STANDARD	OPTIONAL
Automatic swing brake	•	
Auto hydraulic oil warm up	•	
Electronic main control valve	•	
Boom and stick drift reduction valves	•	
Slider joysticks (2 types)		•
Combined flow/high-pressure auxiliary circuit		•
Quick coupler circuit		•
Boom and stick lowering check valves		•
SmartBoom™		•
Ride control		•
Joystick steering		•
Separate dedicated swing pump	•	

BOOM AND STICKS	STANDARD	OPTIONAL
5205 mm (17'1") variable adjustable boom		•
2200 mm (7'3") stick		•
2500 mm (8'2") stick		•
UNDERCARRIAGE AND STRUCTURES	STANDARD	OPTIONAL
10.00-20 16 PR, dual tires		•
315/70R22.5, no gap dual tires		•
445/70R 19.5, single tires		•
Automatic brake/axle lock	•	
3300 kg (7,275 lb) counterweight		•
All-wheel drive	•	
ELECTRICAL SYSTEM	STANDARD	OPTIONAL
LED lights on boom and cab	•	
LED lights on chassis (left-hand, right-hand) and counterweight		•
Programmable time-delay LED working lights	•	
Roading and indicator lights, front and rear	•	
Maintenance-free batteries	•	
Centralized electrical disconnect switch	•	
Electrical refueling pump		•
SERVICE AND MAINTENANCE	STANDARD	OPTIONAL
Sampling ports for Scheduled Oil Sampling (S•O•S SM)	•	
Ground-level and platform-level engine oil dipsticks	•	
Automatic lubrication system for implement and swing system		•
SAFETY AND SECURITY	STANDARD	OPTIONAL
Rear- and side-view cameras	•	
360° visibility		•
Wide angle mirrors	•	
Ground-level engine shutoff switch	•	
Anti-skid plate	•	
Signaling/warning horn	•	

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 M316 available at 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.

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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 www.caterpillar.com

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