



Cat[®] 336

Hydraulic Excavator

The Cat[®] 336 excavator brings premium performance with simple-to-use technologies like Cat GRADE with 2D, Grade Assist, Lift Assist, and Payload – all standard equipment from the factory to boost your operator efficiencies up to 45 percent. Combine these features with a new cab, longer maintenance intervals that lower your maintenance costs up to 15 percent, and a power system that improves fuel efficiency up to 15 percent and you have a low-cost-per-unit-of-production excavator that's perfect for your applications.

Not all features available in all regions. Consult your Cat dealer for specific configurations available in your region.

High Performance with Lower Fuel Consumption

- Increase operating efficiency up to 45 percent with standard Cat technologies that lower operator fatigue and operating costs, including fuel consumption and daily maintenance.
- Get up to 15 percent more fuel efficiency than the Cat 336D2 excavator – with more engine power, swing torque, and production.
- The C9.3B engine can run on biodiesel up to B20 and meets China Nonroad Stage III and Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Match the excavator to the job with three power modes – Power, Smart, and Eco. Smart mode automatically matches engine and hydraulic power to digging conditions, providing max power when needed and reducing power when it isn't to help save fuel.
- Advansys™ bucket tips increase penetration and improve cycle times. Tip changes can be done quickly with a simple lug wrench instead of a hammer or special tool, improving safety and uptime.
- Auxiliary hydraulic options give you the versatility to use a wide range of Cat attachments.
- Don't let the temperature stop you from working. This excavator has a high-ambient capability of 52° C (125° F) and cold start capability of -18° C (0° F).

Boost Efficiency and Productivity with Integrated Cat Technologies

- Boost productivity up to 45 percent versus traditional grading with standard Cat GRADE with 2D system – includes indicate-only and laser capability.
- Standard Grade Assist: Stay on grade – simply and effortlessly – with single-lever digging.
- Set your desired bucket angle and let Bucket Assist automatically maintain the angle in sloping, leveling, fine grading, and trenching applications.
- Keep the tracks on ground in lifting and hard digging with Boom Assist.
- Automatically stop excavator swing at operator-defined set points in truck loading and trenching applications with Swing Assist, which will help you use less effort and consume less fuel.

- Standard Cat PAYLOAD on-board weighing system: Achieve precise load targets and increase loading efficiency with on-the-go weighing and real-time estimates of your payload without swinging.
- Combine Payload with VisionLink[®] and remotely manage your production targets or take payload data with you. The monitor's USB port lets you download your results from one shift all the way up to 30 days of work so you can manage your progress without needing an internet connection or VisionLink subscription.
- Upgrade to optional Cat GRADE with Advanced 2D: Create and edit grade designs with ease on a second high-resolution 254 mm (10 in) touchscreen monitor.
- Upgrade to optional Cat GRADE with 3D: Create and edit designs with ease and see the front linkage's full range of motion on a second high-resolution 254 mm (10 in) touchscreen monitor.
- Know the excavator's exact position relative to GPS and GLONASS systems. The machine automatically compensates for excavator pitch and roll caused by sloping ground conditions.
- Use the excavator's onboard cell technology to quickly connect to 3D services like Virtual Reference Station, Internet Base Service Station, and Trimble Connected Community.
- Already invested in another brand's 3D system? No problem. Standard Cat technology like GRADE with 2D can readily integrate with that system to give you the precise results you need.
- Remote Troubleshoot connects you to a dealer service pro to help solve your problem and quickly get you to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- The Cat App helps you manage fleet location, hours, and maintenance schedules; it also alerts you for required maintenance and even allows you to request service from your local Cat dealer.
- Standard Product Link™ provides location, machine hours, fuel usage, productivity, idle time, diagnostic codes, and other machine data on demand through VisionLink online interface, helping you improve jobsite efficiency with lower operating costs.



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Work in Comfort in the All-New Cab

- Choose between Comfort and Deluxe cabs – both with automatic climate control.
- Stay warm with the Deluxe heated seat.
- Get in and out of the cab easier using the tip-up left console (Deluxe cab only).
- Advanced viscous mounts reduce cab vibration up to 50 percent over previous excavator models.
- Control the excavator comfortably with easy-to-reach controls all located in front of you.
- Stow your gear with plenty of in-cab storage beneath and behind the seat, overhead, and in the consoles.
- Use the standard radio's USB ports and Bluetooth® technology to connect personal devices and make hands-free calls.

Simple to Operate

- Start the engine with a push button; use a Bluetooth key fob, smartphone app, or the unique Operator ID function.
- Program each joystick button, including power mode, response, and pattern, using Operator ID; the machine will remember what you set each time you go to work.
- Program up to four depth and slope offsets so you can easily get to grade without a grade checker – a real time saver and safety enhancer on the jobsite.
- Protect your hammer from overworking. Auto hammer stop warns you after 15 seconds of continuous firing and then automatically shuts it off after 30 seconds – all to prevent wear and tear on the attachment and excavator.
- Automatic hydraulic oil warm up gets you to work faster in cold temperatures and helps prolong the life of components.
- Navigate quickly on the standard high-resolution 203 mm (8 in) touchscreen monitor, or with the optional 254 mm (10 in) touchscreen monitor, or with the aid of the jog dial control.
- A second 254 mm (10 in) monitor is available for the Cat GRADE with Advanced 2D and Cat GRADE with 3D.
- The Cat PL161 Attachment Locator is a Bluetooth device that makes finding your attachments and other gear quick and easy. The excavator's onboard Bluetooth reader or Cat App on your phone will locate the device automatically.
- Save more time and energy with available work tool recognition. A simple shake of the attached tool confirms its identity; it also ensures all the attachment settings are correct so you can get to work quickly and efficiently.
- Not sure how a function works or how to maintain the excavator? Always have the operator's manual at your fingertips in the touchscreen monitor.

Maintenance

- Expect up to 15 percent less maintenance cost than the 336D2 due to extended service intervals. (Savings calculated over 12,000 machine hours.)
- Check hydraulic system oil and easily drain fuel system water and fuel tank water from ground level.
- Track your excavator's filter life and maintenance intervals via the in-cab monitor.
- Change all fuel filters at a synchronized 1,000 hours. Oil and fuel filters grouped and located on right-hand side of machine for easy maintenance.
- The new air intake filter with precleaner has double the dust holding capacity of the previous air intake filter.
- 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.
- The new high-efficiency hydraulic fan has an optional automatic reverse function to keep cores free from debris, eliminating the need for any operator interaction.
- S-O-SSM ports simplify maintenance and allow for quick, easy extraction of fluid samples for analysis.

Safety

- Standard 2D E-Fence is integrated right out of the factory, which prevents the excavator from moving outside of operator-defined set points.
- Lift Assist helps you avoid tipping by letting you know if your load is within the excavator's safe working range limits.
- The standard ROPS cab meets ISO 12117-2:2008 requirements.
- A travel direction indicator helps operators know which way to activate the travel levers.
- Enjoy great visibility into the trench, in each swing direction, and behind you with the help of smaller cab pillars, larger windows, and a flat engine hood design.
- A ground-level shutoff switch stops all fuel to the engine when activated and shuts down the machine.
- A rearview camera is standard with a right-hand-side camera available. Upgrade to 360° visibility and you'll easily visualize objects and personnel around the excavator in a single view.
- Serrated steps and anti-skid punch plate on the service platform help prevent slipping.

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
CAB					
ROPS, sound suppression	✓				
High-resolution 203 mm (8") LCD touchscreen monitor	✓				
High-resolution 254 mm (10") LCD touchscreen monitor		✓			
Mechanically adjustable seat suspension	✓				
Heated seat with air-adjustable suspension (Deluxe only)	✓				
ENGINE					
Cold start block heaters		✓			
Three selectable modes: Power, Smart, Eco	✓				
Automatic engine speed control	✓				
Up to 3300 m (10,830 ft) altitude capability	✓				
52° C (126° F) high-ambient cooling capacity	✓				
Hydraulic reverse fan		✓			
-18° C (0° F) cold start capability	✓				
-32° C (-25° F) cold start capability		✓			
Double element air filter with integrated precleaner	✓				
Remote disable	✓				
Biodiesel capability up to B20	✓				
HYDRAULIC SYSTEM					
Boom and stick regeneration circuit	✓				
Electronic main control valve	✓				
Heavy lift mode		✓			
Automatic hydraulic oil warm up	✓				
Reverse swing damping valve	✓				
Automatic swing parking brake	✓				
High performance hydraulic return filter	✓				
Two speed travel	✓				
Bio hydraulic oil capability	✓				
Fine swing		✓			
Single one-way auxiliary circuit		✓			
Combined two-way auxiliary circuit		✓			
Combined two-way auxiliary circuit with hammer return filter		✓			
Medium-pressure auxiliary circuit		✓			
Quick coupler circuit		✓			
UNDERCARRIAGE AND STRUCTURES					
Long undercarriage	✓				
Towing eye on base frame	✓				
6.8 mt (14,991 lb) counterweight		✓			
7.56 mt (16,667 lb) counterweight		✓			
600 mm (24") double grouser, HD double grouser, triple grouser track shoes		✓			
700 mm (28") triple grouser track shoes		✓			
800 mm (31") triple grouser track shoes		✓			
BOOMS AND STICKS					
6.18 m (20'3") Mass boom					✓
6.5 m (21'4") HD Reach boom					✓
2.55 m (8'4") stick					✓
2.8 m (9'2") HD stick					✓
3.2 m (10'6") HD stick					✓
3.9 m (12'10") stick					✓
ELECTRICAL SYSTEM					
Maintenance-free 1,000 CCA batteries (x2)	✓				
Centralized electrical disconnect switch	✓				
LED chassis light, LH and RH boom lights, cab lights	✓				
CAT TECHNOLOGY					
Cat Product Link	✓				
Cat GRADE with 2D	✓				
Cat GRADE with Advanced 2D					✓
Cat GRADE with 3D					✓
Cat GRADE with Assist	✓				
Cat PAYLOAD	✓				
E-Fence	✓				
Lift Assist	✓				
Remote Services capability	✓				
SERVICE AND MAINTENANCE					
Grouped location of engine oil and fuel filters	✓				
Scheduled Oil Sampling (S-O-S) ports	✓				
QuickEvac™ maintenance ready					✓
Electric refueling pump with auto shutoff					✓
SAFETY AND SECURITY					
Caterpillar One Key security system	✓				
Lockable external tool/storage box	✓				
Lockable door, fuel, and hydraulic tank locks	✓				
Lockable fuel drain compartment	✓				
Service platform with anti-skid plate and recessed bolts	✓				
RH handrail and hand hold (ISO 2867:2011 compliant)	✓				
Standard visibility mirror package	✓				
Signaling/warning horn	✓				
Ground-level secondary engine shutoff switch	✓				
Rearview camera and right-hand-side mirror	✓				
360° visibility					✓

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Technical Specifications

Engine		
Engine Model	C9.3B	
Engine – ISO 9249	232 kW	311 hp
Engine – ISO 14396	234 kW	314 hp
Bore	115 mm	5 in
Stroke	149 mm	6 in
Displacement	9.3 L	568 in ³

Hydraulic System		
Main System – Maximum Flow – Implement	558 L/min (279 × 2 pumps)	147 gal/min (74 × 2 pumps)
Maximum Pressure – Equipment – Implement	35 000 kPa	5,076 psi
Maximum Pressure – Equipment – Lift Mode	38 000 kPa	5,511 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	29 400 kPa	4,264 psi

Swing Mechanism		
Swing Speed	8.75 rpm	
Maximum Swing Torque	144 kN·m	106,228 lbf·ft

Weights		
Operating Weight	36 200 kg	79,800 lb
• Long undercarriage, Reach boom, HD R3.2DB (10'6") stick, HD 1.88 m ³ (2.46 yd ³) bucket, 600 mm (24") triple grouser shoes, 6.8 mt (14,991 lb) counterweight.		

Service Refill Capacities		
Fuel Tank Capacity	600 L	158.5 gal
Cooling System	40 L	10.5 gal
Engine Oil (with filter)	32 L	8.5 gal
Swing Drive (each)	18 L	4.8 gal
Final Drive (each)	8 L	2.1 gal
Hydraulic System (including tank)	373 L	98.5 gal
Hydraulic Tank	161 L	42.5 gal

Dimensions			
Boom	Reach Boom		Mass Boom
	6.5 m (21'4")		6.18 m (20'3")
Stick	Reach Stick		Mass Stick
	3.2 m (10'6")		2.55 m (8'4")
Bucket	HD 1.88 m ³ (2.46 yd ³)		HD 2.41 m ³ (3.16 yd ³)
Shipping Height (top of cab)	3170 mm	10'4"	3170 mm 10'4"
Handrail Height	3160 mm	10'4"	3160 mm 10'4"
Shipping Length	11 170 mm	36'7"	10 890 mm 35'8"
Tail Swing Radius	3530 mm	11'6"	3530 mm 11'6"
Counterweight Clearance	1250 mm	4'1"	1250 mm 4'1"
Ground Clearance	510 mm	1'8"	510 mm 1'8"
Track Length	5030 mm	16'6"	5030 mm 16'6"
Track Length to Center of Rollers	4040 mm	13'3"	4040 mm 13'3"
Track Gauge	2590 mm	8'5"	2590 mm 8'5"
Transport Width – 600 mm (24") Shoes	3190 mm	10'5"	3190 mm 10'5"

Working Ranges and Forces			
Boom	Reach Boom		Mass Boom
	6.5 m (21'4")		6.18 m (20'3")
Stick	Reach Stick		Mass Stick
	3.2 m (10'6")		2.55 m (8'4")
Bucket	HD 1.88 m ³ (2.46 yd ³)		HD 2.41 m ³ (3.16 yd ³)
Maximum Digging Depth	7520 mm	24'8"	6670 mm 21'10"
Maximum Reach at Ground Line	11 050 mm	36'3"	10 280 mm 33'8"
Maximum Cutting Height	10 300 mm	33'9"	9990 mm 32'9"
Maximum Loading Height	7080 mm	23'2"	6600 mm 21'7"
Minimum Loading Height	2580 mm	8'5"	2900 mm 9'6"
Maximum Depth Cut for 2440 mm (8'0") Level Bottom	7360 mm	24'1"	6500 mm 21'3"
Maximum Vertical Wall Digging Depth	5660 mm	18'6"	4650 mm 15'3"
Bucket Digging Force (ISO)	211 kN	47,460 lbf	265 kN 59,570 lbf
Stick Digging Force (ISO)	167 kN	37,430 lbf	191 kN 42,890 lbf



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