



Cat[®] 336

Hydraulic Excavator

The Cat[®] 336 is a high-productivity, low-owning-and-operating cost excavator that will generate more prosperity for you and your business.

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

High Performance

- The C7.1 twin turbo engine reliably delivers power to the pumps for maximum production.
- The electrohydraulic system responds quickly and efficiently to the task at hand.
- Match the excavator to the job with three power modes – Power, Smart, and Eco. Power mode is maximum power all the time. Smart mode automatically matches engine and hydraulic power to digging conditions, providing maximum power when needed and reducing power when it isn't to help save fuel. Eco mode reduces engine speed and keeps it constant to reduce fuel consumption.

Boost Efficiency and Productivity

- Boost productivity up to 45 percent with standard Cat Grade technology.
- 2D Grade indicates depth and slope on the monitor with auditory alerts.
- Grade Assist helps you stay on grade – simply and effortlessly – with single-lever digging.
- 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.
- Cat Payload on-board weighing helps you achieve precise load targets to improve your operating efficiency. Pick up a load of material – with either a bucket or grapple – and get a real-time weight estimate without even swinging.
- Combine Payload with VisionLink[®] and remotely manage your production targets. The monitor's USB port lets you download 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 Cat Grade with Advanced 2D and create and edit grade designs with ease on a second high-resolution 254 mm (10 in) touchscreen monitor.
- Upgrade to Cat Grade with 3D and 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.
- All Cat Grade systems are compatible with radios and base stations from Trimble, Topcon, and Leica.

- Already invested in a grade infrastructure? You can install grade systems from Trimble, Topcon, and Leica onto the machine.
- 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.
- 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.

Built for Rugged Conditions

- Reinforced structures ensure long-term durability in harsh environments.
- Work up to 4500 m (14,764 ft) above sea level.
- Standard high-ambient temperature capability is 52° C (125° F) with cold start capability at -18° C (0° F).
- Auto hydraulic oil warmup gets you to work faster in cold temperatures and helps prolong the life of components.
- Two levels of filtration protect the engine from low-quality diesel fuel.
- Grease sealed between track pins and bushings reduces travel noise and prevents debris from entering to increase undercarriage life.

Work in Comfort

- Choose between Deluxe and Premium cabs – both with automatic climate control.
- Deluxe cab comes with heated seat to keep you warm.
- Premium cab comes with heated and ventilated seat for year-round comfort.
- Control the excavator comfortably with easy-to-reach controls all located in front of you.
- Tilt-up left console enables easy entry and exit.
- 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.



Cat® 336 Hydraulic Excavator

Simple to Operate

- Start the engine with the push of a button; use a Bluetooth key fob or Operator ID passcode.
- 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.
- Trouble cutting through tough material? Auto dig boost gives you an automatic power increase of 8 percent when you need it for better bucket penetration, shorter cycle times, and greater payloads.
- Need more lift during your shift? Auto heavy lift gives you 8 percent more power exactly when you need it for as long as you need it.
- Make moving the excavator much easier with optional Cat Stick Steer. Simply push a button and use one hand to travel and turn instead of both hands or feet on levers or pedals.
- Navigate quickly on the high-resolution monitor.
- 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.
- 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.

Easy Maintenance

- Expect less maintenance cost due to 1,000 hour engine oil interval.
- Change all fuel filters at a synchronized 1,000 hours. Filters are grouped and located on right-hand side of machine for easy maintenance.
- Check hydraulic system oil and easily drain fuel system water and fuel tank water from ground level.
- The air intake filter with pre-cleaner has high dust holding capacity.
- The hydraulic oil filter provides superior filtration; anti-drain valves keep oil clean when the filter is replaced.
- The high-efficiency hydraulic fan has an optional automatic reverse function to keep cores free from debris, eliminating the need for any operator interaction.
- Scheduled Oil Sampling (S-O-SSM) ports are on ground level, simplifying maintenance and allowing for quick, easy extraction of fluid samples for analysis.

Enhanced Safety

- The Rollover Protective Structure (ROPS) cab meets ISO 12117-2:2008 requirements.
- Enjoy great visibility with the help of narrow cab pillars, large windows, and a flat engine hood design.
- Make service work easier and safer with optional inspection lighting. With the flip of a switch, lights will illuminate the engine, pump, battery, and radiator compartments to enhance visibility.
- Cat Lift Assist helps you avoid tipping by letting you know if your load is within the excavator's safe working range.
- A travel direction indicator helps you know which way to activate travel levers.
- Keep your excavator secure with Operator ID. Use your PIN code on the monitor to enable the push button starting feature.
- A ground-level shutoff switch stops the engine and machine from operating.
- Serrated steps and anti-skid punch plate on the service platform help prevent slipping.
- A rearview camera is standard.

Standard and Optional Equipment

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

	Standard	Optional
BOOMS, STICKS AND LINKAGES		
6.18 m (20'3") Mass boom		✓
6.5 m (21'4") Reach boom		✓
2.55 m (8'4") Mass stick		✓
2.8 m (9'2") Reach stick		✓
3.2 m (10'6") Reach stick		✓
3.9 m (12'10") Reach stick		✓
TB family bucket linkage with/without lifting eye		✓
DB family bucket linkage with/without lifting eye		✓
CAT TECHNOLOGY		
Cat Product Link™	✓	
Remote flash	✓	
Remote troubleshoot	✓	
Cat Grade connectivity		✓
Compatibility with radios and base stations from Trimble, Topcon, and Leica	✓	
Capability to install 3D grade systems from Trimble, Topcon, and Leica	✓	
Cat Grade with 2D and offset memory	✓	
Cat Grade with Advanced 2D		✓
Cat Grade with 3D		✓
Cat Assist:	✓	
– Grade Assist		
– Boom Assist		
– Bucket Assist		
– Swing Assist		
– Lift Assist		
Cat Payload:	✓	
– Static weigh		
– Semiautomatic calibration		
– Payload/cycle information		
– USB reporting capability		
2D E-Fence:	✓	
– E-ceiling		
– E-floor		
– E-swing		
– E-wall		
– E-cab avoidance		
Auto hammer stop	✓	
Laser catcher		✓
Work tool recognition	✓	
Work tool tracking*	✓	
ELECTRICAL SYSTEM		
Maintenance-free 1,000 CCA batteries (×2)	✓	
Maintenance-free 1,000 CCA batteries (×4)		✓
Centralized electrical disconnect switch	✓	
LED exterior chassis and boom lights	✓	

*Requires PL161 attachment locator on work tool and Bluetooth receiver on machine.

(continued on next page)

Standard and Optional Equipment (continued)

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

	Standard	Optional		Standard	Optional
ENGINE			UNDERCARRIAGE AND STRUCTURES		
Cold start block heater		✓	Towing eye on base frame	✓	
Three selectable modes: Power, Smart, Eco	✓		Full-length track guiding guards		✓
Auto engine speed control	✓		Segmented two-piece track guiding guards		✓
52° C (126° F) high-ambient cooling		✓	Swivel guard	✓	
Hydraulic reverse fan		✓	HD bottom guard	✓	
-18° C (0° F) cold start capability	✓		HD travel motor guards	✓	
-32° C (-25° F) cold start capability		✓	HD rollers		✓
Double element air filter with integrated pre-cleaner	✓		Grease lubricated track	✓	
Remote disable	✓		HD swing frame		✓
HYDRAULIC SYSTEM			HD swing bearing		✓
Boom and stick regeneration circuit	✓		6.8 mt (14,991 lb) counterweight		✓
Electronic main control valve	✓		7.56 mt (16,667 lb) counterweight		✓
Auto heavy lift	✓		600 mm (24") double grouser, triple grouser, HD triple grouser track shoes		✓
Auto dig boost	✓		700 mm (28") triple grouser track shoes		✓
Auto hydraulic oil warmup	✓		800 mm (31") triple grouser track shoes		✓
Bio hydraulic oil capability	✓		850 mm (33") triple grouser track shoes		✓
Fine swing		✓	Deluxe Premium		
Reverse swing damping valve	✓		CAB		
Auto swing parking brake	✓		ROPS	●	●
High performance hydraulic return filter	✓		High-resolution 203 mm (8") LCD touchscreen monitor	●	X
Two speed travel	✓		High-resolution 254 mm (10") LCD touchscreen monitor	○	●
Single one-way circuit		✓	Auto bi-level air conditioner	●	●
Combined two-way circuit		✓	Jog dial and shortcut keys for monitor control	●	●
SAFETY AND SECURITY			Keyless push-to-start engine control	●	●
Caterpillar One Key security system	✓		Height-adjustable console	●	●
Lockable external tool/storage box	✓		Tilt-up left-side console	●	●
Lockable door, fuel, and hydraulic tank locks	✓		Heated air-suspension seat	●	X
Lockable fuel drain compartment	✓		Heated and ventilated air-suspension seat	X	●
Service platform with anti-skid plate and recessed bolts	✓		51 mm (2") seat belt	●	●
RH handrail and handhold	✓		Monitor integrated Bluetooth radio with USB/Aux ports	●	●
Signaling/warning horn	✓		12V DC outlets	●	●
Ground-level secondary engine shutoff switch	✓		Document storage	●	●
Boom lowering check valve		✓	Overhead storage and rear storage with nets	●	●
Stick lowering check valve		✓	Beverage holder	●	●
Rearview camera	✓		Cup holder	●	●
Inspection lighting		✓	Openable two-piece front window	●	●
SERVICE AND MAINTENANCE			One-piece front windshield	X	○
Grouped engine oil and fuel filters	✓		Rear window emergency exit	●	●
Scheduled Oil Sampling (S-O-S SM) ports	✓		Radial wiper with washer	●	X
			Parallel wiper	X	●
			Openable polycarbonate skylight hatch	●	●
			LED dome light	●	●
			Floor welcome light	●	●
			Roof sunscreen	●	●
			Roller front sunscreen	●	●
			Roller rear sunscreen	○	●
			Washable floor mat	●	●
			Beacon ready	●	●
			Cat Stick Steer	○	○

- Standard
- Optional
- X Not available

Cat® 336 Hydraulic Excavator

Technical Specifications

Engine		
Engine Model	C7.1	
Engine Power – ISO 9249	223 kW	300 hp
Engine Power – ISO 14396	225 kW	302 hp
Bore	105 mm	4 in
Stroke	135 mm	5 in
Displacement	7.01 L	428 in ³

- Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
- Rating at 2,000 rpm.

Hydraulic System		
Main System – Maximum Flow (Implement)	560 L/min (280 × 2 pumps)	148 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	8.84 rpm	
Maximum Swing Torque	143 kN·m	105,250 lbf·ft

Weights		
Operating Weight	36 800 kg	81,200 lb
<ul style="list-style-type: none"> • Long wide undercarriage, Reach boom, R3.9DB (12'10") stick, HD 2.12 m³ (2.77 yd³) bucket, 850 mm (33") triple grouser shoes, 6.8 mt (15,000 lb) counterweight. 		

Service Refill Capacities		
Fuel Tank Capacity	600 L	158.5 gal
Cooling System	39 L	10.2 gal
Engine Oil (with filter)	25 L	6.6 gal
Swing Drive	18 L	4.8 gal
Final Drive (each)	8 L	2.1 gal
Hydraulic System (including tank)	373 L	98.5 gal
Hydraulic Tank (including suction pipe)	161 L	42.5 gal
Diesel Exhaust Fluid (DEF) Tank	50 L	13.2 gal

Drive		
Maximum Travel Speed	4.7 km/h	2.9 mph
Maximum Drawbar Pull	302.5 kN	68,005 lbf

Dimensions			
Boom	Reach Boom 6.5 m (21'4")	Mass Boom 6.18 m (20'3")	
Stick	Reach Stick 3.9 m (12'10")	Mass Stick 2.55 m (8'4")	
Bucket	HD 2.12 m ³ (2.77 yd ³)	SDV 2.41 m ³ (3.15 yd ³)	
Shipping Height (top of cab)	3180 mm 10'5"	3180 mm	10'5"
Handrail Height	3180 mm 10'5"	3180 mm	10'5"
Shipping Length	11 180 mm 36'8"	10 870 mm	35'8"
Tail Swing Radius	3530 mm 11'7"	3530 mm	11'7"
Counterweight Clearance	1260 mm 4'2"	1260 mm	4'2"
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	2740 mm 9'0"	2740 mm	9'0"
Transport Width – 850 mm (33") Shoes	3590 mm 11'9"	3590 mm	11'9"

Working Ranges and Forces			
Boom	Reach Boom 6.5 m (21'4")	Mass Boom 6.18 m (20'3")	
Stick	Reach Stick 3.9 m (12'10")	Mass Stick 2.55 m (8'4")	
Bucket	HD 2.12 m ³ (2.77 yd ³)	SDV 2.41 m ³ (3.15 yd ³)	
Maximum Digging Depth	8210 mm 26'11"	6650 mm	21'10"
Maximum Reach at Ground Line	11 760 mm 38'7"	10 270 mm	33'8"
Maximum Cutting Height	10 740 mm 35'3"	9990 mm	32'9"
Maximum Loading Height	7480 mm 24'6"	6620 mm	21'9"
Minimum Loading Height	1890 mm 6'2"	2920 mm	9'7"
Maximum Depth Cut for 2440 mm (8'0") Level Bottom	8080 mm 26'6"	6480 mm	21'3"
Maximum Vertical Wall Digging Depth	6500 mm 21'4"	4470 mm	14'8"
Bucket Digging Force (ISO)	210 kN 47,190 lbf	265 kN	59,570 lbf
Stick Digging Force (ISO)	145 kN 32,480 lbf	191 kN	42,890 lbf

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

© 2022 Caterpillar
All rights reserved

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Corporate Yellow," the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission. "VisionLink is a trademark of VirtualSite Solutions LLC, registered in the United States and in other countries."

AEXQ3452 (01-2022)
Build Number: 08A
(ANZ, EU, N Am)

