



# Cat<sup>®</sup> 336 GC

## Hydraulic Excavator

*The Cat<sup>®</sup> 336 GC excavator balances productivity with easy-to-use controls, a new comfortable cab, increased fuel efficiency by up to 5 percent, and longer maintenance intervals that reduce maintenance costs up to 15 percent – all to give you a durable, low-cost per-hour excavator 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

- The excavator is 5 percent more fuel efficient than the 336F in similar applications.
- The C7.1 ACERT™ engine can run on biodiesel up to B20 and meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
- Match the excavator to the job with two power modes. 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.
- The advanced hydraulic system provides the optimum balance of power and efficiency while giving you the control you need for precise digging requirements.
- Valve priority puts hydraulic pressure and flow where you command it to go for fast light- to medium-load cycle times.
- Advansys™ bucket tips increase penetration and improve cycle times.
- Add auxiliary hydraulics to do more work with various Cat attachments.
- Product Link™ comes standard so you can remotely monitor machine health, location, hours, and fuel consumption on demand through the VisionLink® online interface.

### Reliable, High and Low, Heat and Cold

- Work up to 2300 m (7,550 ft) above sea level without de-rating.
- Standard high-ambient temperature capability is 52° C (125° F) with cold start capability at –18° C (0° F).
- Automatic hydraulic oil warm up gets you to work faster in cold temperatures and helps prolong the life of components.
- Two levels of filtration protect the engine from dirty diesel fuel.
- Grease sealed between track pins and bushings reduces travel noise and prevents debris from entering to increase undercarriage life.
- The center track guiding guard helps keep the excavator track aligned when traveling and working on slopes.
- The sloped track frame prevents mud and debris accumulation, helping reduce risk of track damage.



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## Work in Comfort in the All-New Cab

- The Comfort cab has a wide seat that adjusts for operators of all sizes.
- Control the excavator comfortably with easy-to-reach controls all located in front of you.
- Standard automatic climate control keeps you at the right temperature all shift long.
- Advanced viscous mounts reduce cab vibration by up to 50 percent over previous excavator models.
- Stow your gear with plenty of in-cab storage beneath and behind the seat, overhead, and in the consoles. A cup holder, document holder, bottle holder, and coat hook are also provided.
- Use the standard radio's USB ports and Bluetooth® technology to connect to personal devices.

## Simple to Operate

- Start the engine with a push button; use a Bluetooth key fob, smartphone app, 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.
- Navigate quickly on the standard high-resolution 203 mm (8 inch) touchscreen monitor or with the aid of the jog dial control.
- 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.
- Find the tool you need – even if it's hidden beneath overgrowth or debris. The available Bluetooth reader can search for any work tool equipped with Cat asset tracking devices up to a range of 60 m (200 ft).

## Maintenance

- Expect up to 15 percent less maintenance cost than the 336F 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 are 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.
- S-O-S<sup>SM</sup> ports are on ground level, simplifying maintenance and allowing for quick, easy extraction of fluid samples for analysis.

## Safety

- 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.
- A travel direction indicator helps operators know which way to activate the travel levers.
- A ground-level shut-off switch stops all fuel to the engine when activated and shuts down the machine.
- Enjoy great visibility into the trench, in each swing direction, and behind you with the help of smaller cab posts and larger windows.
- 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		Standard	Optional
<b>CAB</b>					
ROPS, sound suppression	✓				
High-resolution 203 mm (8") LCD touchscreen monitor	✓				
Mechanically adjustable seat	✓				
<b>ENGINE</b>					
Cold start block heaters		✓			
Two selectable modes: Power, Smart	✓				
One-touch low idle with automatic engine speed control	✓				
2300 m (7,546 ft) altitude capability with no engine power de-rating	✓				
52° C (126° F) high-ambient cooling capacity	✓				
-18° C (0° F) cold start capability	✓				
Double element air filter with integrated precleaner	✓				
Remote disable	✓				
Biodiesel capability up to B20	✓				
<b>HYDRAULIC SYSTEM</b>					
SmartBoom™		✓			
Boom and stick regeneration circuit	✓				
Electronic main control valve	✓				
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	✓				
Combined two-way auxiliary circuit with direct return		✓			
Medium-pressure auxiliary circuit		✓			
Quick coupler circuit for Cat Pin Grabber and CW Dedicated		✓			
<b>UNDERCARRIAGE AND STRUCTURES</b>					
Long undercarriage	✓				
Standard undercarriage*	✓				
Towing eye on base frame	✓				
6.8 mt (14,991 lb) counterweight	✓				
600 mm (24") triple grouser track shoes		✓			
700 mm (28") triple grouser track shoes		✓			
800 mm (31") triple grouser track shoes		✓			
850 mm (33") triple grouser track shoes		✓			
<b>BOOMS AND STICKS</b>					
6.5 m (21'4") Reach boom	✓				
2.8 m (9'2") stick		✓			
3.2 m (10'6") stick		✓			
3.9 m (12'10") stick		✓			
<b>ELECTRICAL SYSTEM</b>					
Maintenance-free 1,000 CCA batteries (×2)	✓				
Centralized electrical disconnect switch	✓				
LED chassis light, LH and RH boom lights, cab lights	✓				
<b>CAT CONNECT TECHNOLOGY</b>					
Cat Product Link	✓				
<b>SERVICE AND MAINTENANCE</b>					
Grouped location of engine oil and fuel filters	✓				
Scheduled Oil Sampling (S·O·S) ports	✓				
Electric refueling pump		✓			
<b>SAFETY AND SECURITY</b>					
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	✓				
Rear and side-view cameras		✓			
Boom lowering check valve		✓			
Stick lowering check valve		✓			

\*Japan only

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## Technical Specifications

### Engine

Engine Model	C7.1 ACERT	
Net Power – ISO 9249/SAE J1349	204 kW	273 hp
Gross Power – ISO 14396	205 kW	275 hp
Engine rpm		
Operation	1,750 rpm	
Travel	1,750 rpm	
Bore	105 mm	4 in
Stroke	135 mm	5 in
Displacement	7.1 L	433 in <sup>3</sup>

### Hydraulic System

Main System – Maximum Flow – Implement	560 L/min (280 × 2 pumps)	148 gal/min (74 × 2 pumps)
Maximum Pressure – Equipment – Normal	35 000 kPa	5,076 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	28 000 kPa	4,061 psi

### Swing Mechanism

Swing Speed	8.74 rpm	
Maximum Swing Torque	137 kN·m	101,168 lbf·ft

### Weights

Operating Weight*	34 200 kg	75,300 lb
Standard undercarriage, Reach boom, R3.2DB (10'6") stick, GDX 1.50 m <sup>3</sup> (1.96 yd <sup>3</sup> ) bucket, 700 mm (28") triple grouser shoes, 6.8 mt (14,991 lb) counterweight.		

\*Add 1300 kg (3,000 lb) more for long undercarriage.

### Service Refill Capacities

Fuel Tank	600 L	158.5 gal
Cooling System	39 L	10.2 gal
Engine Oil	25 L	6.6 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
DEF Tank	50 L	13.2 gal

### Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.00 kg of refrigerant which has a CO<sub>2</sub> equivalent of 1430 metric tonnes.

### Dimensions

<b>Boom</b>	<b>Reach Boom 6.5 m (21'4")</b>	
<b>Stick</b>	<b>Reach Stick 3.2 m (10'6")</b>	
<b>Bucket</b>	<b>HD 1.88 m<sup>3</sup> (2.46 yd<sup>3</sup>)</b>	
Shipping Height (top of cab)	3170 mm	10.4 ft
Handrail Height	3160 mm	10.4 ft
Shipping Length	11 180 mm	36.7 ft
Tail Swing Radius	3530 mm	11.6 ft
Counterweight Clearance	1250 mm	4.1 ft
Ground Clearance	510 mm	1.7 ft
Length to Center of Rollers		
Long Undercarriage	4040 mm	13.3 ft
Standard Undercarriage	3610 mm	11.8 ft
Track Length		
Long Undercarriage	5030 mm	16.5 ft
Standard Undercarriage	4590 mm	15.1 ft
Track Gauge	2590 mm	8.5 ft
Transport Width – 700 mm (28") Shoes	3290 mm	10.8 ft

### Working Ranges and Forces

<b>Boom</b>	<b>Reach Boom 6.5 m (21'4")</b>	
<b>Stick</b>	<b>Reach Stick 3.2 m (10'6")</b>	
<b>Bucket</b>	<b>HD 1.88 m<sup>3</sup> (2.46 yd<sup>3</sup>)</b>	
Maximum Digging Depth	7530 mm	24.7 ft
Maximum Reach at Ground Level	11 060 mm	36.3 ft
Maximum Cutting Height	10 300 mm	33.8 ft
Maximum Loading Height	7070 mm	23.2 ft
Minimum Loading Height	2570 mm	8.4 ft
Maximum Depth Cut for 2440 mm (8'0") Level Bottom	7370 mm	24.2 ft
Maximum Vertical Wall Digging Depth	5710 mm	18.7 ft
Bucket Digging Force (SAE)	171 kN	38,420 lbf
Bucket Digging Force (ISO)	196 kN	44,090 lbf
Stick Digging Force (SAE)	142 kN	31,990 lbf
Stick Digging Force (ISO)	147 kN	33,090 lbf

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AEXQ2352-02 (04-2019)  
Replaces AEXQ2352-01  
Build Number: 07A  
(EU, N Am, Jpn)

