



Cat[®] 336 GC

Hydraulic Excavator

The Cat[®] 336 GC excavator balances productivity with easy-to-use controls, a 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 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 a choice of two power modes: Power and Smart. 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. Tip changes can be done quickly with a simple lug wrench instead of a hammer or special tool, improving safety and uptime.
- 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 3300 m (10,830 ft) above sea level.
- 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.
- 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.
- 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.
- The Cat PL161 Attachment Locator is a Bluetooth device that makes finding your attachments and other gear quick and easy. The Cat App on your phone will locate the device automatically.

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-SSM 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 shutoff 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.
- Rear and right-hand-sideview cameras are standard.

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 | ✓ | | | | |
| Mechanically adjustable seat | ✓ | | | | |
| ENGINE | | | | | |
| Cold start block heaters | | ✓ | | | |
| Two selectable modes: Power, Smart | ✓ | | | | |
| 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 | ✓ | | | | |
| Double element air filter with integrated precleaner | ✓ | | | | |
| Biodiesel capability up to B20 | ✓ | | | | |
| HYDRAULIC SYSTEM | | | | | |
| 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 | ✓ | | | | |
| Fine swing* | ✓ | | | | |
| Combined two-way auxiliary circuit | | ✓ | | | |
| Medium-pressure auxiliary circuit | | ✓ | | | |
| Quick coupler circuit | | ✓ | | | |
| UNDERCARRIAGE AND STRUCTURES | | | | | |
| 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 | | ✓ | | | |
| BOOMS AND STICKS | | | | | |
| 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 | | ✓ | | | |
| ELECTRICAL SYSTEM | | | | | |
| Maintenance-free 1,000 CCA batteries (×2) | ✓ | | | | |
| Centralized electrical disconnect switch | ✓ | | | | |
| LED chassis light, LH and RH boom lights, cab lights | ✓ | | | | |
| CAT TECHNOLOGY | | | | | |
| Cat Product Link | ✓ | | | | |
| Auto hammer stop | ✓ | | | | |
| SERVICE AND MAINTENANCE | | | | | |
| Grouped location of engine oil and fuel filters | ✓ | | | | |
| Scheduled Oil Sampling (S-O-S) ports | ✓ | | | | |
| Electric refueling pump | | ✓ | | | |
| 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 | ✓ | | | | |
| Rear and right-hand-sideview cameras | ✓ | | | | |
| Boom lowering check valve | | ✓ | | | |
| Stick lowering check valve | | ✓ | | | |

*Not available in Europe

**Japan only

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Technical Specifications

Engine

| | | |
|--------------------------|--------|---------------------|
| Engine Model | C7.1 | |
| Engine Power – ISO 9249 | 204 kW | 273 hp |
| Engine Power – ISO 14396 | 205 kW | 275 hp |
| Bore | 105 mm | 4 in |
| Stroke | 135 mm | 5 in |
| Displacement | 7.1 L | 433 in ³ |

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 ³ (1.96 yd ³) 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 CO₂ equivalent of 1430 metric tonnes.

Dimensions

| | | |
|--------------------------------------|--|--------|
| Boom | Reach Boom 6.5 m (21'4") | |
| Stick | Reach Stick 3.2 m (10'6") | |
| Bucket | HD 1.88 m³ (2.46 yd³) | |
| Shipping Height (top of cab) | 3170 mm | 10'4" |
| Handrail Height | 3160 mm | 10'4" |
| Shipping Length | 11 180 mm | 36'8" |
| Tail Swing Radius | 3530 mm | 11'6" |
| Counterweight Clearance | 1250 mm | 4'1" |
| Ground Clearance | 510 mm | 1'8" |
| Length to Center of Rollers | | |
| Long Undercarriage | 4040 mm | 13'3" |
| Standard Undercarriage | 3610 mm | 11'10" |
| Track Length | | |
| Long Undercarriage | 5030 mm | 16'6" |
| Standard Undercarriage | 4590 mm | 15' |
| Track Gauge | 2590 mm | 8'5" |
| Transport Width – 700 mm (28") Shoes | 3290 mm | 10'9" |

Working Ranges and Forces

| | | |
|---|--|------------|
| Boom | Reach Boom 6.5 m (21'4") | |
| Stick | Reach Stick 3.2 m (10'6") | |
| Bucket | HD 1.88 m³ (2.46 yd³) | |
| Maximum Digging Depth | 7530 mm | 24'8" |
| Maximum Reach at Ground Level | 11 060 mm | 36'3" |
| Maximum Cutting Height | 10 300 mm | 33'9" |
| Maximum Loading Height | 7070 mm | 23'2" |
| Minimum Loading Height | 2570 mm | 8'5" |
| Maximum Depth Cut for 2440 mm (8'0") Level Bottom | 7370 mm | 24'2" |
| Maximum Vertical Wall Digging Depth | 5710 mm | 18'8" |
| Bucket Digging Force (ISO) | 196 kN | 44,090 lbf |
| Stick Digging Force (ISO) | 147 kN | 33,090 lbf |

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