



Cat[®] 340

Straight Boom

Hydraulic Excavator

With its new cab, long maintenance intervals, and efficient power system that improves fuel efficiency up to 15 percent, the Cat[®] 340 is the perfect choice for low-level demolition, sorting, and other excavation tasks.

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

High Performance with Lower Fuel Consumption

- Get up to 15 percent higher fuel efficiency – more work per unit of fuel – than the 336F Straight Boom version.
- Match the excavator to the job with three power modes – Power, Smart, and Eco. Smart mode automatically matches engine and hydraulic power to working conditions, providing max power when needed and reducing power when it isn't to help save fuel.
- Auxiliary hydraulic options give you the versatility to use a wide range of Cat attachments, including the heaviest tools needed for demolition work.
- 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).
- 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.
- 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 job site efficiency with lower operating costs.

Work in Comfort in the All-New Cab

- The demolition cab comes with a deluxe heated seat and climate control.
- Get in and out of the cab easier with the tip-up left console.
- 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. 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 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 your power mode and joystick preferences using Operator ID; the excavator will remember them every time you go to work.
- 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 254 mm (10 in) touchscreen monitor or with the aid of the jog dial control.
- 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.



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Maintenance

- Expect up to 15 percent less maintenance cost than the 336F Straight Boom due to extended and synchronized service intervals and smaller fluid quantities. (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 pre-cleaner 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 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

- The front windshield and top hatch are made with EN 356 P5A glazing for enhanced impact resistance.
- The standard ROPS cab meets ISO 12117-2:2008 requirements.
- The standard FOGS enhances overhead safety.
- A travel direction indicator helps operators know which way to activate the travel levers.
- Enjoy great visibility with the help of smaller cab pillars, larger windows, the standard parallel roof wiper and washer, and a flat engine hood design.
- A ground-level shutoff switch stops all fuel to the engine when activated and shuts down the machine.
- Rearview and sideview cameras are standard. 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.

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Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
CAB			UNDERCARRIAGE AND STRUCTURES		
ROPS, standard sound suppression	✓		Long undercarriage		✓
High-resolution 254 mm (10") LCD touchscreen monitor	✓		Long Narrow undercarriage		✓
Heated seat with air-adjustable suspension	✓		Towing eye on base frame	✓	
ENGINE			9.0 mt (19,842 lb) counterweight	✓	
Cold start block heaters		✓	600 mm (24") HD triple grouser track shoes		✓
Three selectable modes: Power, Smart, Eco	✓		700 mm (28") triple grouser track shoes		✓
Automatic engine speed control	✓		850 mm (33") triple grouser track shoes		✓
2300 m (7,546 ft) altitude capability with no engine power de-rating	✓		BOOMS AND STICKS		
52° C (126° F) high-ambient cooling capacity	✓		6.9 m (22'8") Straight boom	✓	
Automatic reverse fan		✓	3.2 m (10'6") Reach stick		✓
-18° C (0° F) cold start capability	✓		3.9 m (12'10") Reach stick		✓
-32° C (-25° F) cold start capability		✓	ELECTRICAL SYSTEM		
Double element air filter with integrated precleaner	✓		Maintenance-free 1,000 CCA batteries (x2)	✓	
Remote disable	✓		Centralized electrical disconnect switch	✓	
Biodiesel capability up to B20	✓		LED chassis light	✓	
HYDRAULIC SYSTEM			CAT TECHNOLOGY		
SmartBoom™		✓	Cat Product Link	✓	
Boom and stick regeneration circuit	✓		SERVICE AND MAINTENANCE		
Electronic main control valve	✓		Grouped location of engine oil and fuel filters	✓	
Heavy lift mode	✓		Scheduled Oil Sampling (S-O-S) ports	✓	
Automatic hydraulic oil warm up	✓		QuickEvac™ maintenance ready		✓
Reverse swing damping valve	✓		Electric refueling pump with automatic shutoff		✓
Automatic swing parking brake	✓		SAFETY AND SECURITY		
High performance hydraulic return filter	✓		Caterpillar One Key security system	✓	
Two speed travel	✓		Lockable external tool/storage box	✓	
Bio hydraulic oil capability	✓		Lockable door, fuel, and hydraulic tank locks	✓	
Combined two-way auxiliary circuit with direct return		✓	Lockable fuel drain compartment	✓	
Medium-pressure auxiliary circuit		✓	Service platform with anti-skid plate and recessed bolts	✓	
Cooling circuit		✓	RH handrail and hand hold (ISO 2867:2011 compliant)	✓	
Quick coupler circuit for Cat Pin Grabber and CW Dedicated		✓	Standard visibility mirror package	✓	
			Signaling/warning horn	✓	
			Ground-level secondary engine shutoff switch	✓	
			Rear and sideview cameras	✓	
			360° visibility		✓
			Boom lowering check valve	✓	
			Stick lowering check valve	✓	

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Technical Specifications

Engine

Engine Model	C9.3B	
Engine Power – ISO 9249	232 kW	311 hp
Engine Power – 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	39 900 kg	87,900 lb
• Long undercarriage, Straight boom, R3.9DB (12'10") stick, GD 2.27 m ³ (2.97 yd ³) bucket, 700 mm (28") triple grouser shoes, 9.0 mt (19,842 lb) counterweight.		

Service Refill Capacity

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	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
DEF Tank	80 L	21.1 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 1.430 metric tonnes.

Dimensions

Boom	Straight Boom 6.9 m (22'8")	
Stick	Reach Stick R3.9DB (12'10")	
Bucket	GDC 2.27 m³ (2.97 yd³)	
Shipping Height (top of cab)	3360 mm	11'0"
Handrail Height	3170 mm	10'4"
Shipping Length	11 390 mm	37'4"
Tail Swing Radius	3530 mm	11'6"
Counterweight Clearance	1250 mm	4'1"
Ground Clearance	520 mm	1'7"
Track Length to Center of Rollers	4040 mm	13'3"
Track Gauge*	2590 mm	8'5"
Transport Width – 600 mm (24") Shoes*	3190 mm	10'5"
Transport Width – 850 mm (33") Shoes*	3440 mm	11'3"
*Long undercarriage		

Working Ranges and Forces

Boom	Straight Boom 6.9 m (22'8")	
Stick	Reach Stick R3.9DB (12'10")	
Bucket	GDC 2.27 m³ (2.97 yd³)	
Maximum Digging Depth	6650 mm	21'8"
Maximum Reach at Ground Level	12 350 mm	40'5"
Maximum Cutting Height	13 770 mm	45'2"
Maximum Loading Height	10 250 mm	33'6"
Minimum Loading Height	3360 mm	11'0"
Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6520 mm	21'4"
Maximum Vertical Wall Digging Depth	5640 mm	18'5"
Bucket Digging Force (ISO)	210 kN	47,150 lbf
Stick Digging Force (ISO)	144 kN	32,440 lbf

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