



Cat[®] 352

Hydraulic Excavator

High power and durability make the 352 perfect for big jobs requiring big tools. Long maintenance intervals and low fuel consumption help control your costs without sacrificing performance.

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

High Performance with Lower Fuel Consumption

- High fuel efficiency ensures more work per unit of fuel.
- The C13 engine and electrohydraulic system will power through all different types of material.
- Auxiliary hydraulic options give you the versatility to use a wide range of Cat attachments.
- Heavier counterweight enables greater stability and lift capability with bigger tools compared to the previous model.
- Large bucket capacity means fewer passes to move material faster.
- Self-sharpening Advansys™ bucket tips increase production and lower costs.
- Match the excavator to the job with three power modes – Smart, Power, and Eco. 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. Power mode is maximum power all the time. Eco mode reduces engine speed and keeps it constant to reduce fuel consumption.
- The high-efficiency hydraulic fan cools the engine on demand to help reduce fuel consumption; optional reverse function makes it easy to keep cores clean.

Reliable in Tough Conditions

- Reinforced booms, sticks, and frame make the machine more durable and built to last.
- Work up to 4500 m (14,760 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.
- Grease sealed between track pins and bushings reduces travel noise and prevents debris from entering to increase undercarriage life.
- The sloped track frame prevents mud and debris accumulation, helping reduce risk of track damage.

Boost Efficiency and Productivity

- Boost productivity up to 45 percent with available 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 setpoints in truck loading and trenching applications with Cat Swing Assist, which will help you use less effort and consume less fuel.
- Cat Payload onboard 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.



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Boost Efficiency and Productivity (continued)

- 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.

Simple to Operate

- Start the engine with a push button; use a Bluetooth® key fob 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.
- 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.
- 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 more power exactly when you need it for as long as you need it.
- 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 will locate the device automatically.
- 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.

Work in Comfort

- Choose between Deluxe and Essential cabs.
- Deluxe cab offers heated seat and tip-up left console for easy entry and exit.
- 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 and in the consoles.
- Use the standard radio's USB ports and Bluetooth technology to connect personal devices and make hands-free calls.

Easy Maintenance

- Long life fuel, oil, and air filters keep you working on the job longer.
- Check the hydraulic system oil and easily drain fuel system water from ground level.
- Add the optional inlet air heater to help improve cold start performance.
- Track your excavator's filter life and maintenance intervals via the in-cab monitor. The new optional engine oil sensor tracks your oil levels to speed up your daily maintenance routine.
- Change all fuel filters at a synchronized 1,000 hours. Filters are grouped together for easy maintenance.
- The air intake filter with pre-cleaner has a high dust holding capacity.
- The hydraulic oil filter provides improved filtration performance and anti-drain valves to keep oil clean when the filter is replaced.
- 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.

Safely Home Every Day

- 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.
- Rearview and right-hand-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.
- Keep your excavator secure with Operator ID. Use your PIN code on the monitor to enable the push button starting feature.
- Cat Lift Assist helps you avoid tipping by letting you know if your load is within the excavator's safe working range.

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
BOOMS, STICKS AND LINKAGES			SAFETY AND SECURITY		
6.55 m (21'6") Mass boom		✓	Service platform with anti-skid plate and recessed bolts	✓	
6.9 m (22'8") Reach boom		✓	Rearview and right-hand-sideview cameras ¹	✓	
2.5 m (8'2") Mass stick		✓	360° visibility		✓
2.9 m (9'6") Reach stick		✓	SERVICE AND MAINTENANCE		
3.0 m (9'10") Mass stick		✓	Grouped location of engine oil and fuel filters	✓	
3.35 m (11'0") Reach stick		✓	Scheduled Oil Sampling (S-O-S SM) ports	✓	
3.9 m (12'10") Reach stick		✓	Electric refueling pump with auto shutoff		✓
CAT TECHNOLOGY			UNDERCARRIAGE AND STRUCTURES		
Cat® Product Link™	✓		Fixed gauge undercarriage	✓	
Remote flash	✓		Towing eye on base frame	✓	
Remote troubleshoot	✓		9.8 mt (21,605 lb) counterweight	✓	
Cat Grade connectivity		✓	600 mm (24") double grouser, HD double grouser, triple grouser, HD triple grouser track shoes		✓
Compatibility with radios and base stations from Trimble, Topcon, and Leica	✓		750 mm (30") single grouser track shoes		✓
Capability to install 3D grade systems from Trimble, Topcon, and Leica	✓		<i>¹Right-hand-sideview camera optional for China</i>		
Cat Grade with 2D and offset memory		✓		Essential	Deluxe
Cat Grade with Advanced 2D		✓	CAB		
Cat Grade with 3D		✓	ROPS	□	■
Cat Assist		✓	High-resolution 203 mm (8") LCD touchscreen monitor	■	■
Cat Payload		✓	High-resolution 254 mm (10") LCD touchscreen monitor	□	□
2D E-Fence		✓	Auto bi-level air conditioner	■	■
Auto hammer stop	✓		Jog dial and shortcut keys for monitor control	X	■
Laser catcher		✓	Keyless push-to-start engine control	■	■
Work tool recognition		✓	Height-adjustable console	X	■
Work tool tracking*		✓	Tilt-up left-side console	X	■
ELECTRICAL SYSTEM			Air-suspension seat	■	X
Maintenance-free 1,000 CCA batteries (x4)	✓		Heated air-suspension seat	X	■
Centralized electrical disconnect switch	✓		51 mm (2") seat belt	■	■
LED lights	✓		Monitor integrated Bluetooth radio with USB/Aux ports	X	■
ENGINE			Bluetooth radio with USB/Aux ports	■	X
Cold start block heaters		✓	12V DC outlets	X	■
Power, Smart, and Eco modes	✓		24V DC outlet	■	X
Auto engine speed control	✓		Document storage	X	■
52°C (126°F) high-ambient cooling	✓		Overhead storage and rear storage with nets	X	■
Hydraulic reverse fan		✓	Beverage holder	■	■
-18°C (0°F) cold start capability	✓		Cup holder	X	■
-32°C (-25°F) cold start capability	✓		Openable two-piece front window	■	■
Inlet air heater		✓	Rear window emergency exit	■	■
Engine oil sensor		✓	Radial wiper with washer	■	■
Double element air filter with integrated pre-cleaner	✓		Openable polycarbonate skylight hatch	X	■
Remote disable	✓		Openable steel hatch	■	X
HYDRAULIC SYSTEM			LED dome light	■	■
Boom and stick regeneration circuit	✓		Floor welcome light	X	■
Electronic main control valve	✓		Roof sunscreen	X	■
Auto dig boost	✓		Roller front sunscreen	■	■
Auto heavy lift	✓		Roller rear sunscreen	□	■
Auto hydraulic oil warmup	✓		Washable floor mat	■	■
Auto swing parking brake	✓		Beacon ready	X	■
High performance hydraulic return filter	✓		Cat Stick Steer	X	□
Two-speed travel	✓				
Combined two-way auxiliary circuit		✓			
Medium-pressure auxiliary circuit		✓			
Quick coupler circuit		✓			

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

■ Standard □ Optional X Not available

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Technical Specifications

Engine		
Engine Model	C13	
Net Power – ISO 9249:2007	302.2 kW	405 hp
Engine Power – ISO 14396:2002	303 kW	406 hp
Bore	130 mm	5 in
Stroke	157 mm	6 in
Displacement	12.5 L	763 in ³
<ul style="list-style-type: none"> • Meets Brazil MAR 1 and China Nonroad Stage III emissions standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA. • Recommended for use up to 4500 m (14,760 ft) altitude with engine power derate above 2600 m (8,530 ft). • Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler, and alternator. • Rating at 1,800 rpm. 		

Hydraulic System		
Main System – Maximum Flow – Implement	779 l/min	206 gal/min
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	26,000 kPa	3,771 psi

Swing Mechanism		
Swing Speed	8.3 rpm	
Maximum Swing Torque	189 kN•m	139,000 lbf-ft

Weights		
Operating Weights*	49 900 kg	110,000 lb
* Mass boom, HD M3.0UB (9'10") stick, SD 3.4 m ³ (4.45 yd ³) bucket, and 600 mm (24") double grouser shoes.		

Service Refill Capacities		
Fuel Tank Capacity	715 L	188.9 gal
Cooling System	52 L	13.7 gal
Engine Oil (with filter)	40 L	10.6 gal
Swing Drive (each)	10.5 L	2.8 gal
Final Drive (each)	9.5 L	2.5 gal
Hydraulic System (including tank)	550 L	145.3 gal
Hydraulic Tank	217 L	57.3 gal

Dimensions		
Boom	Mass Boom 6.55 m (21'6")	
Stick	Mass Stick M3.0 (9'10")	
Bucket	SD 3.21 m³ (4.2 yd³)	
Shipping Height	3230 mm	10'7"
Handrail Height	3370 mm	11'1"
Shipping Length	11 580 mm	38'
Tail Swing Radius	3760 mm	12'4"
Counterweight Clearance	1280 mm	4'2"
Ground Clearance	475 mm	1'7"
Track Length	5370 mm	17'7"
Length to Center of Rollers	4360 mm	14'4"
Track Gauge	2740 mm	9'
Transport Width - 600 mm (24") Shoes	3530 mm	11'7"

Working Ranges and Forces		
Boom	Mass Boom 6.55 m (21'6")	
Stick	Mass Stick M3.0 (9'10")	
Bucket	SD 3.21 m³ (4.2 yd³)	
Maximum Digging Depth	7270 mm	23'10"
Maximum Reach at Ground Level	11 240 mm	36'11"
Maximum Cutting Height	10 290 mm	33'9"
Maximum Loading Height	6780 mm	22'3"
Minimum Loading Height	2610 mm	8'7"
Maximum Depth Cut for 2440 mm (8') Level Bottom	7120 mm	23'4"
Maximum Vertical Wall Digging Depth	4540 mm	14'11"
Bucket Digging Force (ISO)	293 kN	65,900 lbf
Stick Digging Force (ISO)	212 kN	47,700 lbf



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AEXQ3294-01 (4-2022)
Build Number: 08A
(Afr-ME, Aus-NZ, China, CIS, S Am)

