

352

HYDRAULIC EXCAVATOR



Engine Power
Operating Weight

302 kW (405 hp)
49 900 kg (110,000 lb)

Cat® 352 meets China Nonroad Stage III emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.



NEXT GENERATION EXCAVATORS

Cat excavators are designed with a new approach to equipment families that gives you:

- + OPTIMAL PERFORMANCE
- + ENHANCED COMFORT
- + HIGH DURABILITY

Ready to help you make your business stronger, Cat excavators give you new ways to get the most work done at the lowest cost, so you put more money in your pocket.



CAT[®] 352

MOVES THE STANDARD HIGHER

The **Cat 352** gives you high hydraulic power and durability to tackle any big job. Choose between fixed and variable gauge undercarriage to meet your unique work requirements. Expect more uptime with extended service intervals and tons of production with class-leading fuel efficiency. Plus long maintenance intervals and low fuel consumption will help you cut costs without sacrificing production.



MORE PRODUCTION

High hydraulic power and large attachments push your productivity levels up.

LOW OWNING AND OPERATING COSTS

Industry-leading fuel efficiency and long life fuel, oil, and air filters help keep your costs down.

HIGH DURABILITY

Proven engine, heavy-duty structures, and reliable hydraulics give you more durability to tackle big jobs.

CAT EQUIPMENT MANAGEMENT

TAKES THE GUESSWORK OUT

Cat Equipment Management helps take the complexity out of overseeing your jobsites by gathering data generated by your equipment, materials, and people and serving it up to you in customizable formats.

PRODUCT LINK™

Product Link™ collects data automatically and accurately from your assets – any type and any brand. Information such as location, hours, fuel usage, productivity, idle time, maintenance alerts, diagnostic codes, and machine health can be viewed online through web and mobile applications.

VISIONLINK®

Access information anytime, anywhere with VisionLink® – and use it to make informed decisions that boost productivity, lower costs, simplify maintenance, and improve safety and security on your jobsite. With different subscription level options, your Cat dealer can help you configure exactly what you need to connect your fleet and manage your business without paying for extras you don't want. Subscriptions are available with cellular or satellite reporting (or both).



Remote Services is a suite of technologies that improves your jobsite efficiency.

Remote troubleshoot allows your Cat dealer to perform diagnostic testing on your connected machine remotely, pinpointing potential issues while the machine is in operation. Remote troubleshoot ensures the technician arrives with the correct parts and tools the first time, eliminating additional trips to save you time and money.

Remote flash updates onboard software without a technician being present, potentially reducing update time by as much as 50%. You can initiate the update when convenient, increasing your overall operating efficiency.





GET JOBS DONE **FASTER & BETTER**

Simple-to-use Cat technology enables operators of all skill levels to produce faster, better cuts and fills along with more accurate payloads. The payoff is greater production at a lower cost.

CAT GRADE WITH 2D

Set your targets in the monitor and cut and fill to specifications without needing a grade checker. Program up to four depth and slope offsets to get to grade even more quickly – a real time saver on the jobsite.

CAT GRADE WITH ASSIST

Automated boom, stick, and bucket movements deliver more accurate cuts with less effort. Simply set the depth and slope targets in the monitor and activate single-lever digging.

CAT PAYLOAD

Cat Payload helps you achieve precise load targets to improve your operating efficiency. Pick up a load of material and get a real-time weight estimate without swinging. Automated tracking helps manage production and lower cost. 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 progress without needing an internet connection or VisionLink subscription.

CAT LIFT ASSIST

Quickly calculate the actual load being lifted compared to the rated load the excavator is capable of handling. Visual and auditory alerts tell you if you are within safe working range or need to take action to avoid tipping.

AUTO DIG BOOST

Trouble cutting through tough material? Auto dig boost gives you an automatic power increase of 8% when you need it for better bucket penetration, shorter cycle times, and greater payloads.

AUTO HEAVY LIFT

Need more lift during your shift? Auto heavy lift gives you 8% more power exactly when you need it for as long as you need it.

AVAILABLE UPGRADES

Cat Grade with Advanced 2D and Cat Grade with 3D increase productivity and your profit potential. Cat Grade with Advanced 2D offers in-field design capability through an additional high-resolution touchscreen monitor. Cat Grade with 3D offers a choice of a single antenna global navigation satellite system (GNSS) for enhanced guidance or dual antenna GNSS for maximum grading efficiency.

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.



SAFETY FEATURES STAND OUT

THE CAT 352 IS DESIGNED WITH
YOUR SAFETY IN MIND.

KEY SAFETY ADVANTAGES

- + Handrails, handholds, serrated steps, and anti-skid plating help prevent slips and trips.
- + In addition to a travel alarm, an available swing alarm alerts people when you rotate from trench to stockpile and back again.
- + Narrow cab pillars and large windows enhance visibility; a standard rearview camera enhances visibility even more.
- + A travel direction indicator helps you know which way to activate the levers before you move.
- + Optional inspection lighting illuminates the engine, pump, battery, and cooling compartments.
- + Put in a PIN code or use the optional Bluetooth® key fob to enable push-button start.





PROTECT YOURSELF
AND OTHERS



E-WALL SWING



E-WALL FORWARD



E-WALL CAB PROTECTION



E-WALL CEILING



E-WALL FLOOR

E-FENCE TECHNOLOGY

E-Fence automatically stops excavator motion using boundaries you set in the monitor for the entire working envelope – above, below, sides, and front. E-Fence protects equipment from damage and reduces fines related to zoning or underground utility damage. Automatic boundaries even help prevent operator fatigue by reducing overswinging and digging.

CAT COMMAND REMOTE CONTROL

Enhance jobsite safety by adding Cat Command to your fleet. The remote control system comes with everything you need to operate outside of the cab. Command console lets you operate at a safe distance on the job. Command station lets you work virtually anywhere.



CAB TAKES THE HARD OUT OF WORK

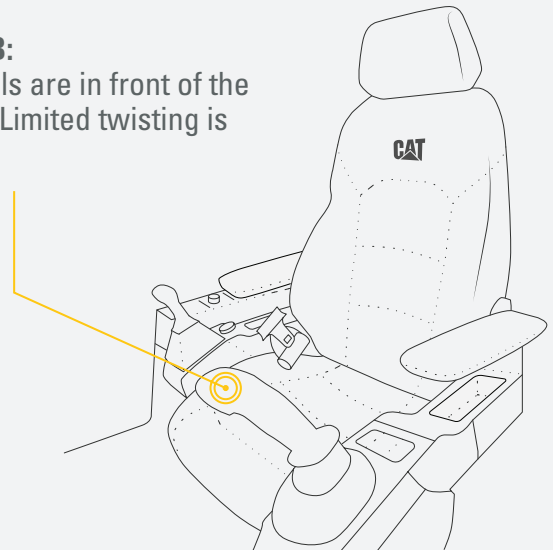
Sites where excavators typically work are rugged and challenging. That's why it's important that the 352 cab protects the operator as much as possible from the fatigue, stresses, sounds, and temperatures of the job.

WE'VE GOT **YOUR BACK.**

BACK PAIN IS ONE OF THE MOST
COMMON REASONS PEOPLE MISS WORK.*

NEW CAB:

All controls are in front of the operator. Limited twisting is required.



ASSUME 1 TWIST PER HOUR
1 TWIST × 8-HOUR WORKDAY = 8 TWISTS PER DAY
8 TWISTS × 5 WORKDAYS PER WEEK = 40 TWISTS PER WEEK
40 TWISTS × 52 WEEKS PER YEAR = **2,080 TWISTS PER YEAR**

*SOURCE: [HTTPS://WWW.NINDS.NIH.GOV/DISORDERS/PATIENT-CAREGIVER-EDUCATION/FACT-SHEETS/LOW-BACK-PAIN-FACT-SHEET](https://www.ninds.nih.gov/disorders/patient-caregiver-education/fact-sheets/low-back-pain-fact-sheet)



SEAT AND JOYSTICK CONSOLE REDUCE FATIGUE

Comfort and efficiency of movement keep operators productive and alert all shift long. The standard seat is wide and adjustable for operators of virtually any size. The deluxe cab offers heated seat and tip-up left console for easy entry and exit.



TOUCHSCREEN MONITOR

Most machine settings can be controlled through the high-resolution touchscreen monitor. It offers multiple languages and is easy to reach from the seat with no twisting or turning.



SMART MODE

Smart mode (one of three power mode settings) automatically adjusts engine and hydraulic power for the highest fuel efficiency – less power for tasks such as swinging and more power for digging.



CUSTOMIZABLE JOYSTICKS

Make moving the excavator much easier with Cat Stick Steer option. Simply push a button and use one hand to travel and turn instead of both hands or feet on levers or pedals. Joystick functions can be customized through the monitor and preferences are saved with your operator ID. Adding an auxiliary relay allows you to power on or turn off a CB radio, beacon light, and even a dust suppression watering system without taking your hands off the joysticks.



KEYLESS PUSH START

The 352 uses a keyless push-to-start button. This adds security for the machine by using operator ID codes to limit and track machine access. Codes can be entered manually or via an optional Bluetooth key fob.



RELIABLE WITH **HIGH DURABILITY**

The 352 is built with several reinforcements to enhance reliability and long-term durability:

- + Reinforced boom and stick
- + Reinforced swing frame
- + Reinforced counterweight support
- + Reinforced final drives
- + Deep induction track pins
- + Heavy-duty bottom guard
- + Heavy-duty travel motor guards

Together, these add up to greater strength and stability so you can work with big tools for maximum production.





With extended maintenance intervals, you get more done at a lower cost. Consolidated filter locations make service faster. Hydraulic, air, and fuel tank filters have increased capacity and longer life.

KEY MAINTENANCE COST REDUCTIONS INCLUDE:

- + Consolidated filter locations to reduce service time.
- + Oil and fuel filters with extended maintenance intervals.
- + Hydraulic filter with higher dirt holding capacity.
- + Cat air filter with double the dust holding capacity of the previous filter.

BOOST PRODUCTIVITY WITH PROACTIVE SERVICE REMINDERS

Our new integrated vehicle health management system alerts you with step-by-step service guidance along with parts needed so you don't experience any unnecessary downtime.

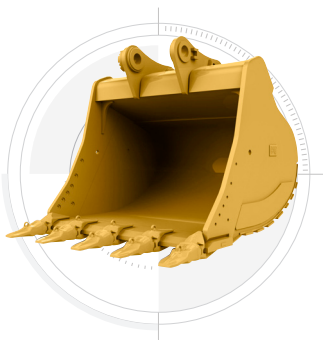


INCREASE YOUR PRODUCTIVITY AND PROFIT WITH CAT ATTACHMENTS

You can easily expand the performance of your machine by utilizing any of the variety of Cat attachments. Each Cat attachment is designed to fit the weight and horsepower of Cat excavators for improved performance, safety, and stability.

Attachments may vary. Consult your Cat dealer for details.

BUCKETS



GRAPPLES



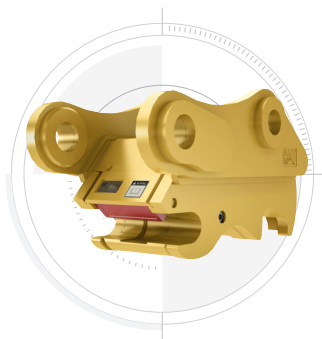
HYDRAULIC HAMMERS



MULTI-PROCESSORS



QUICK COUPLERS



SECONDARY PULVERIZERS



SHEARS



ORANGE PEEL GRAPPLE



TECHNICAL SPECIFICATIONS

See *cat.com* for complete specifications.

ENGINE		
Engine Model	C13	
Emissions	China Nonroad Stage III emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.	
Net Power (ISO 9249:2014)	302 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"> • 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	4040 mm	10'3"
Handrail Height	3370 mm	11'1"
Shipping Length	11 580 mm	38'0"
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	9'0"
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	6790 mm	22'3"
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

STANDARD & OPTIONAL EQUIPMENT

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

BOOMS AND STICKS	STANDARD	OPTIONAL
6.55 m (21'6") Mass boom		•
6.9 m (22'8") Reach boom		•
2.5 m (8'2") Mass stick		•
2.9 m (9'6") Reach stick		•
3.0 m (9'10") Mass stick		•
3.35 m (11'0") Reach stick		•
3.9 m (12'10") Reach stick		•
CAB	STANDARD	OPTIONAL
High-resolution touchscreen monitor	•	
Heated seat with air-adjustable suspension (deluxe only)	•	
Cat® Stick Steer		•
Auxiliary relay		•
CAT TECHNOLOGY	STANDARD	OPTIONAL
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 single GNSS		•
Cat Grade with 3D dual GNSS		•
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	STANDARD	OPTIONAL
Maintenance-free 1,000 CCA batteries (×4)	•	
Centralized electrical disconnect switch	•	
LED lights	•	
Inlet air heater		•
Engine oil sensor		•

ENGINE	STANDARD	OPTIONAL
Cold start block heaters		•
Power, smart, and eco modes	•	
Auto engine speed control	•	
Up to 4500 m (14,760 ft) altitude capability with derate	•	
52°C (126°F) high-ambient cooling	•	
Hydraulic reverse fan		•
-18°C (0°F) cold start capability	•	
-32°C (-25°F) cold start capability		•
Double element air filter with integrated precleaner	•	
Remote disable	•	
HYDRAULIC SYSTEM	STANDARD	OPTIONAL
Boom and stick regeneration circuit	•	
Electronic main control valve	•	
Auto heavy lift mode		•
Auto dig boost		•
Auto hydraulic oil warmup	•	
Auto swing parking brake	•	
High performance hydraulic return filter	•	
Two-speed travel	•	
Combined two-way auxiliary circuit		•
Medium-pressure auxiliary circuit		•
Quick coupler circuit		•
SAFETY AND SECURITY	STANDARD	OPTIONAL
Service platform with anti-skid plate and recessed bolts	•	
Rearview and right-hand side-view cameras	•	
Swing alarm		•
360° visibility		•
Inspection lighting		•
SERVICE AND MAINTENANCE	STANDARD	OPTIONAL
Integrated vehicle health management system		•
Grouped location of engine oil and fuel filters	•	
Scheduled Oil Sampling (S-O-S SM) ports	•	
Electric refueling pump with auto shutoff		•
UNDERCARRIAGE AND STRUCTURES	STANDARD	OPTIONAL
Fixed gauge undercarriage		•
Variable gauge undercarriage		•
Towing eye on base frame	•	
9.8 mt (21,605 lb) counterweight		•
600 mm (24") double grouser, HD double grouser, triple grouser, HD triple grouser track shoes		•
750 mm (30") double grouser, triple grouser track shoes		•

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

Not all features are available in all regions. Please check with your local Cat dealer for specific offering availability in your area.
For additional information, refer to the Technical Specifications brochure for the 352 model available at www.cat.com or your Cat dealer.

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

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

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www.cat.com www.caterpillar.com

AEXQ3323-01
Replaces AEXQ3323-00
Build Number: 08B
(Afr-ME, Eurasia,
SE Asia, S Am)

