

352

HYDRAULIC EXCAVATOR



Engine Power
Operating Weight

330 kW (443 hp)
50 500 kg (111,300 lb)

Cat® C13B Engine meets U.S. EPA Tier 4 and EU Stage V emission standards.



NEXT GENERATION EXCAVATORS

Cat Next Generation Excavators are designed to give you:

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

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



THE NEW CAT[®] 352

MOVING THE STANDARD HIGHER

The **Cat 352** gives you high power and durability to tackle any big job. A heavier counterweight than the model it replaces enables the excavator to be more stable and productive with bigger tools. Long maintenance intervals and low fuel consumption help you cut costs without sacrificing production.



MORE PRODUCTION

High power, heavier counterweight, and larger attachments help you produce bigger paydays.

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 TECHNOLOGY TAKES THE GUESSWORK OUT OF MANAGING YOUR EQUIPMENT

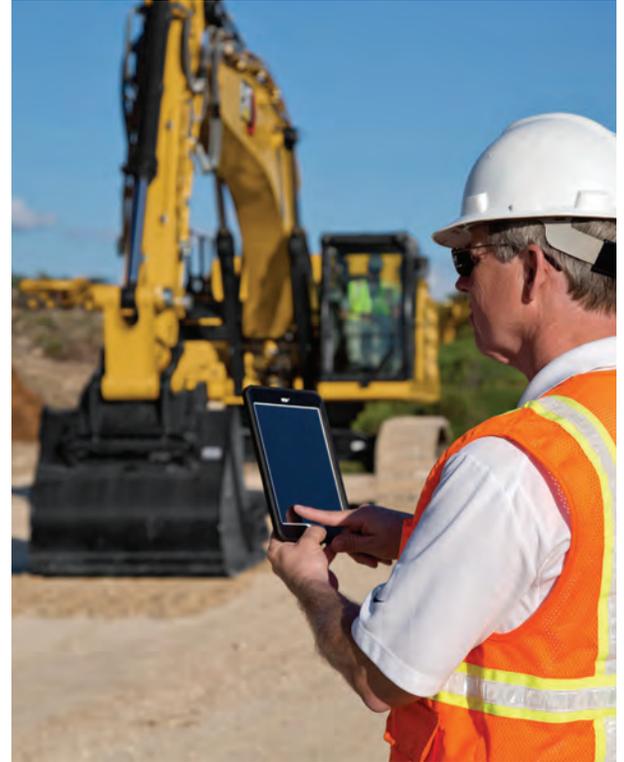
Cat Equipment Management telematics technology helps take the complexity out of managing your jobsites by gathering data generated by your equipment, materials, and people and serving it up to you in customizable formats.

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® – 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 on-board 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

Deliver precise loads every time with no costly overloading or underloading. 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 expand grading capabilities. Grade with Advanced 2D adds in-field design capabilities through an additional high-resolution touchscreen monitor. Grade with 3D adds GPS and GLONASS positioning for pinpoint accuracy.

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.



PROTECT YOURSELF
AND OTHERS



E-WALL SWING

E-WALL FORWARD

E-WALL CAB PROTECTION

E-WALL CEILING

E-WALL FLOOR

E-FENCE TECHNOLOGY

Whether you are using a bucket or hammer, 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.

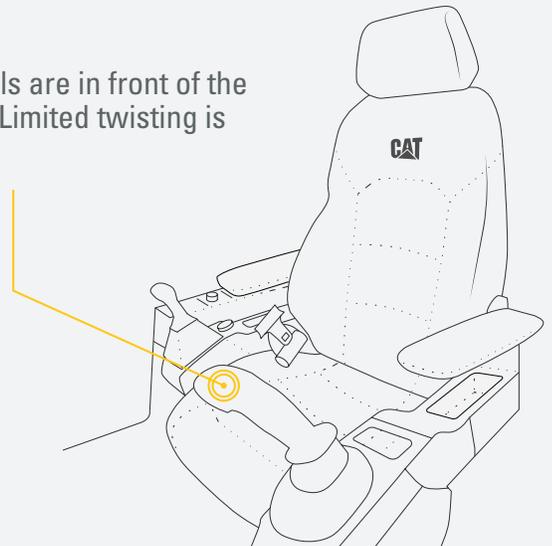
CAB TAKES THE HARD OUT OF WORK

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.*

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. The Premium cab offers a heated and ventilated seat for year-round comfort.





352

CAT



TOUCHSCREEN MONITOR

Most machine settings can be controlled through the high-resolution touchscreen monitor. It offers 42 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 the 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.



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 via an optional Bluetooth® key fob.

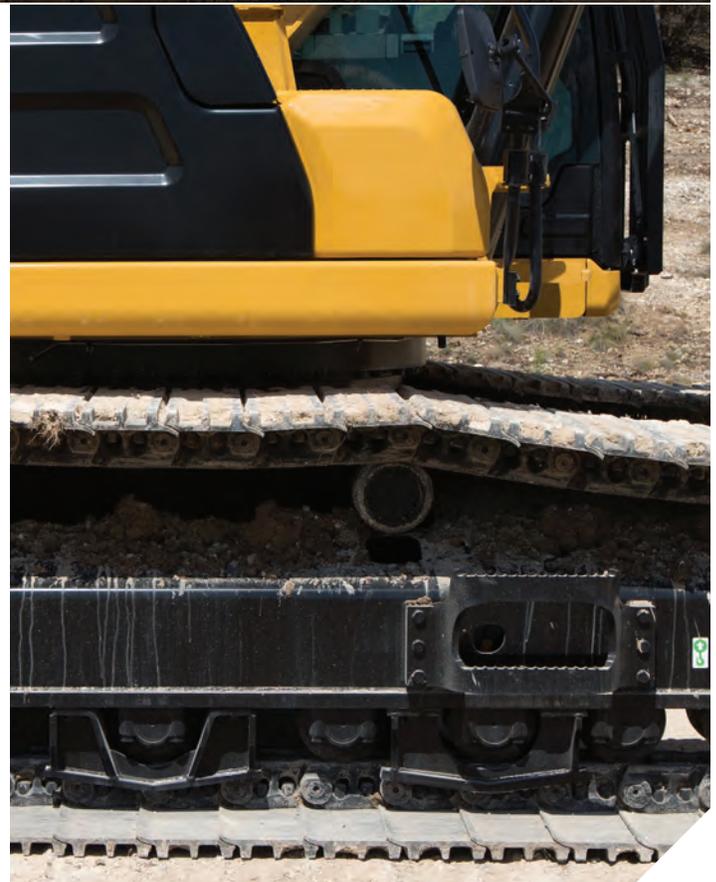


RELIABLE WITH **HIGH DURABILITY**

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 bigger 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.
- + Air and hydraulic filters with higher dirt holding capacity.

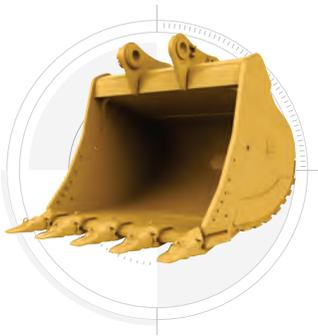


INCREASE YOUR PRODUCTIVITY AND PROFIT WITH CAT ATTACHMENTS

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 GRAPPLES



TECHNICAL SPECIFICATIONS

See *cat.com* for complete specifications.

ENGINE		
Engine Model	C13B	
Net Power		
ISO 9249	330 kW	443 hp
ISO 9249 (DIN)	449 hp (metric)	
Engine Power		
ISO 14396	332 kW	445 hp
ISO 14396 (DIN)	451 hp (metric)	
Bore	130 mm	5 in
Stroke	157 mm	6 in
Displacement	12.5 L	763 in ³
<ul style="list-style-type: none"> • Meets U.S. EPA Tier 4 Final and EU Stage V emission standards. • Recommended for use up to 4,500 m (14,760 ft) altitude with engine power derate above 2,600 m (8,530 ft). • Advertised power is tested per the specified standard in effect at the time of manufacture. • Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, aftertreatment, and alternator. • Rating at 1,700 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	50 500 kg	111,300 lb
<ul style="list-style-type: none"> • Long undercarriage, Reach boom, R3.9TB (12'10") stick, GDC 3.30 m (4.32 yd) bucket, and 900 mm (35") triple grouser shoes, 9.8 mt (21,605 lb) counterweight. 		
Operating Weights	51 500 kg	113,500 lb
<ul style="list-style-type: none"> • VG undercarriage, Reach boom, R2.9TB (9'6") stick, SD 2.5 m (3.27 yd³) bucket, and 600 mm (24") triple grouser shoes, 9.8 mt (21,605 lb) counterweight. 		
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 (including suction pipe)	217 L	57.3 gal
DEF Tank	80 L	21.1 gal

DIMENSIONS				
Boom	Reach Boom 6.9 m (22'8")			
Stick	Reach Stick R3.9TB (12'10")	Reach Stick R2.9TB (9'6")		
Bucket	GDC 3.30 m³ (4.32 yd³)	GDC 2.50 m³ (3.27 yd³)		
Undercarriage	Fixed Gauge	Variable Gauge		
Shipping Height (top of cab)	3230 mm	10'7"	3380 mm	11'1"
Handrail Height	3370 mm	11'1"	3530 mm	11'7"
Shipping Length	11 900 mm	39'1"	11 860 mm	38'11"
Tail Swing Radius	3760 mm	12'4"	3760 mm	12'4"
Counterweight Clearance	1280 mm	4'2"	1435 mm	4'8"
Ground Clearance	475 mm	1'7"	710 mm	2'4"
Track Length	5370 mm	17'7"	5350 mm	17'7"
Length to Center of Rollers	4360 mm	14'4"	4340 mm	14'3"
Track Gauge	2740 mm	9'	2390 mm	7'10"
Transport Width – 600 mm (24") Shoes	3340 mm	10'11"	3180 mm*	10'5"*
*Undercarriage retracted				
WORKING RANGES AND FORCES				
Boom	Reach Boom 6.9 m (22'8")			
Stick	Reach Stick R3.9TB (12'10")	Reach Stick R2.9TB (9'6")		
Bucket	GDC 3.30 m³ (4.32 yd³)	GDC 2.50 m³ (3.27 yd³)		
Undercarriage	Fixed Gauge	Variable Gauge		
Maximum Digging Depth	8210 mm	26'11"	7080 mm	23'3"
Maximum Reach at Ground Level	12 150 mm	39'10"	11 310 mm	37'1"
Maximum Cutting Height	10 730 mm	35'2"	10 690 mm	35'1"
Maximum Loading Height	7420 mm	24'4"	7380 mm	24'3"
Minimum Loading Height	2200 mm	7'3"	3330 mm	10'11"
Maximum Depth Cut for 2440 mm (8') Level Bottom	5860 mm	19'3"	4750 mm	15'7"
Maximum Vertical Wall Digging Depth	5860 mm	19'3"	4750 mm	15'7"
Bucket Digging Force (SAE)	236 kN	53,100 lbf	231 kN	51,900 lbf
Bucket Digging Force (ISO)	267 kN	60,000 lbf	264 kN	59,300 lbf
Stick Digging Force (SAE)	177 kN	39,800 lbf	212 kN	47,700 lbf
Stick Digging Force (ISO)	183 kN	41,100 lbf	220 kN	49,500 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		•
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		•
Cat Assist	•	
Cat Payload	•	
2D E-Fence	•	
Auto hammer stop	•	
Laser catcher		•
Work tool recognition	•	
Work tool tracking*	•	
ELECTRICAL SYSTEM	STANDARD	OPTIONAL
Maintenance-free 1,000 CCA batteries (x4)	•	
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 pre-cleaner	•	
Remote disable	•	
HYDRAULIC SYSTEM	STANDARD	OPTIONAL
Boom and stick regeneration circuit	•	
Electronic main control valve	•	
Auto dig boost	•	
Auto heavy lift	•	
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-sideview cameras	•		
360° visibility		•	
SERVICE AND MAINTENANCE	STANDARD	OPTIONAL	
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	•		
9.4 mt (20,723) counterweight with removal device		•	
9.8 mt (21,605 lb) counterweight		•	
600 mm (24") grouser track shoes		•	
750 mm (30") single grouser track shoes		•	
900 mm (35") triple grouser track shoes		•	
CAB	DELUXE	PREMIUM (2P)	PREMIUM (1P)
ROPS	•	•	•
High-resolution 203 mm (8") LCD touchscreen monitor	•	X	X
High-resolution 254 mm (10") LCD touchscreen monitor	◦	•	•
Auto bi-level air conditioner	•	•	•
Jog dial and shortcut keys for monitor control	•	•	•
Keyless push-to-start engine control	•	•	•
Height-adjustable console	•	•	•
Tilt-up left-side console	•	•	•
Heated air-suspension seat	•	X	X
Heated and ventilated air-suspension seat	X	•	•
51 mm (2") seat belt	•	•	•
Monitor integrated Bluetooth radio with USB/Aux ports	•	•	•
12V DC outlets	•	•	•
Document storage	•	•	•
Overhead storage and rear storage with nets	•	•	•
Beverage holder	•	•	•
Cup holder	•	•	•
Openable two-piece front window	•	•	◦
One-piece front windshield	X	◦	•
Rear window emergency exit	•	•	•
Radial wiper with washer	•	X	X
Parallel wiper	X	•	•
Openable polycarbonate skylight hatch	•	•	X
Laminated roof glass	X	X	•
LED dome light	•	•	•
Floor welcome light	•	•	•
Roof sunscreen	•	•	•
Roller front sunscreen	•	•	•
Roller rear sunscreen	◦	•	•
Washable floor mat	•	•	•
Beacon ready	•	•	•
Cat Stick Steer	◦	◦	◦

• Standard ◦ Optional X Not available

* 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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