



352 UHD

Hydraulic Excavator

Demolition work has never been easier than with the Cat® 352 UHD Excavator. Reach higher with larger attachment capabilities to maximize performance. Enjoy the versatility, precision, and efficiency offered by standard Cat technologies. Combined with a stability monitoring system and a Falling Object Guard System (FOGS) cab, the 352 UHD keeps you working longer and safer.

HIGH PERFORMANCE WITH LOW 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, including the largest attachments needed for demolition work.
- Achieve higher vertical reach up to 28 m (91'0") with a UHD boom.
- 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; standard reverse function makes it easy to keep cores clean.

BOOST EFFICIENCY AND PRODUCTIVITY

- Standard Cat Grade with 2D with a retrofit boom indicates depth and slope on the monitor with auditory alerts.
- Cat Payload onboard weighing helps you achieve precise load targets to improve your operating efficiency with a retrofit boom. Pick up a load of material – with either a bucket or grapple – and get a real-time weight estimate without even swinging.
- Remote flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- Standard Cat Product Link™ provides location, machine hours, fuel usage, productivity, idle time, diagnostic codes, and other machine data on demand, helping you improve jobsite efficiency with lower operating costs.
- The stability monitoring system continuously informs operators of work tool position within the safe working range and warns when approaching the stability limit.

RELIABLE IN TOUGH CONDITIONS

- Reinforced booms, sticks, and frame make the machine more durable and built to last.
- 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.

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 standard 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.
- 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

- Get in and out of the cab easily with the standard tilt-up left console.
- Deluxe cab with premium seat offers a heated and ventilated seat for year-round comfort.
- 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.



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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.
- Track your excavator's filter life and maintenance intervals via the in-cab monitor. The 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 high-efficiency hydraulic fan has a standard automatic reverse function to keep cores free from debris, eliminating the need for any operator interaction.
- Scheduled Oil Sampling (S-O-SSM) ports simplify maintenance and allow for quick, easy extraction of fluid samples for analysis.

SAFELY HOME EVERY DAY

- The front windshield and roof window are made with P5A glazing for enhanced impact resistance.
- A travel direction indicator helps operators know which way to activate the travel levers.
- Enjoy great visibility in each swing direction and behind you with the help of smaller cab pillars and larger windows.
- FOGS protect the roof and front window in a demolition application while also maintaining visibility to the job site.
- 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 with retrofit boom helps you avoid tipping by letting you know if your load is within the excavator's safe working range.

SUSTAINABILITY

- The Cat C13 engine emits equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Cat engines are compatible with diesel fuel blended with the following lower-carbon intensity fuels** up to: 100% biodiesel FAME (fatty acid methyl ester)* or 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels. Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.
- Auto Engine Speed Control helps reduce unnecessary fuel burn and greenhouse gas emissions by allowing the engine to automatically go into idle mode when the machine is not working.
- Cat Grade technologies combine advanced guidance with optional automated machine control helping you reach grading targets while reducing fuel burn and greenhouse gas emissions by improving efficiency, job site productivity, and accuracy.
- Cat Payload for excavators provides on-the-go material weighing which helps reduce fuel burn by improving loading efficiency, job site productivity, and eliminating trips to the scale.
- Cat 2D E-fence keeps the front linkage within a predefined work area to avoid hazards such as traffic – not only helping keep personnel safe but also helps you avoid repairs, downtime, and costly job site fines.
- Extended maintenance intervals not only reduce downtime but decrease the amount of fluid and filters that are replaced over the life of the machine.
- Remote Flash minimizes downtime and maintenance time while keeping your asset running with maximum efficiency. Alerts for machine updates are sent virtually from your Cat dealer and updates can be deployed without a dealer technician needing to be onsite.
** For use of blends higher than 20% biodiesel, consult your Cat dealer.
** Lower-carbon intensity fuels do not significantly reduce GHGs at the tailpipe.*

Standard and Optional Equipment may vary. Consult your Cat dealer for details.

	Standard	Optional		Standard	Optional
UNDERCARRIAGE AND STRUCTURES			ENGINE		
Hydraulic Variable Gauge undercarriage	✓		115 amp alternator	✓	
12.0 mt (26,455 lb) counterweight	✓		Dual stage four micron main filter	✓	
600 mm (24") Triple Grouser Track Shoes		✓	Remote disable	✓	
700 mm (28") Triple Grouser Track Shoes		✓	Three selectable modes: Power, Smart, Eco	✓	
BOOMS AND STICKS			Auto engine speed control	✓	
28 m (91'10") UHD front	✓		Up to 4500 m (14,760 ft) altitude capability	✓	
9.1 m (29'9") UHD Stick	✓		Hydraulic reverse fan	✓	
Advanced tool control, UHD	✓		52°C (126°F) high-ambient cooling	✓	
Dedicated C family bucket linkage	✓		-18°C (0°F) cold start capability	✓	
9.1 m (29'10") Retrofit boom		✓	Double element air filter with integrated pre-cleaner	✓	
R3.35 m TB (11'0") Retrofit stick		✓	-32°C (-25°F) cold start capability		✓
R3.9 m TB (12'10") Retrofit stick		✓	Cold start block heater		✓
TB family bucket linkage		✓	Ether starting aid		✓
Transport cradle for front		✓	SERVICE AND MAINTENANCE		
CAT TECHNOLOGY			Grouped engine oil and fuel filters	✓	
Cat Product Link	✓		S-O-S ports	✓	
Remote Flash	✓		QuickEvac maintenance ready	✓	
Stability monitoring system	✓		Integrated vehicle health management system		✓
2D E-Fence, E-swing	✓		HYDRAULIC SYSTEM		
Cat Grade with 2D (Retrofit boom only)	✓		Boom lowering check valve capability	✓	
Cat Payload (Retrofit boom only)	✓		Stick lowering check valve capability	✓	
Lift Assist (Retrofit boom only)	✓		Boom and stick regeneration circuit	✓	
CAB			Electronic main control valve	✓	
Tilt-up demolition cab with P5A laminated front and roof glass	✓		Auto hydraulic oil warmup	✓	
High-resolution 254 mm (10") LCD touchscreen monitor	✓		Auto swing parking brake	✓	
Heated and ventilated air-suspension seat	✓		High Performance hydraulic return filter	✓	
Monitor integrated Bluetooth radio with USB port	✓		Two-speed travel	✓	
Auto bi-level air conditioner	✓		Bio hydraulic oil capability	✓	
Jog dial and shortcut keys for monitor control	✓		Medium-pressure auxiliary circuit	✓	
Keyless push-to-start engine control	✓		SAFETY AND SECURITY		
Height-adjustable console	✓		Caterpillar One Key security system	✓	
Tilt-up left-side console	✓		Lockable external tool/storage box	✓	
Cat Stick Steer	✓		Lockable door, fuel, and hydraulic tank locks	✓	
Auxiliary relay	✓		Lockable fuel drain compartment	✓	
Parallel wiper with washer	✓		Service platform with anti-skid plate and recessed bolts	✓	
Skylight wiper install capability	✓		Right-hand handrail and handhold	✓	
LED interior lights	✓		Signaling/warning horn	✓	
Roller front sunscreen	✓		Ground-level secondary engine shutoff switch	✓	
Floor welcome light	✓		Rear and right-hand-sideview cameras	✓	
Roller rear sunscreen		✓	FOGS	✓	
ELECTRICAL SYSTEM			Bluetooth receiver		✓
Maintenance-free 1,000 CCA batteries (×4)	✓		360° visibility		✓
Centralized electrical disconnect switch	✓				
LED exterior chassis and boom lights	✓				
Premium surround working lights		✓			

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Technical Specifications

Engine		
Engine Model	Cat C13	
Engine Power – ISO 14396	303 kW	406 hp
Bore	130 mm	5 in
Stroke	157 mm	6 in
Displacement	12.5 L	763 in ³

Hydraulic System		
Main System – Maximum Flow	779 L/min	206 gal/min
Maximum Pressure – Equipment	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 – UHD Fronts		
Swing Speed	4.22 r/min	4.22 r/min

Swing Mechanism		
Swing Speed	8.44 r/min	8.44 r/min
Maximum Swing Torque	189 kN-m	139,400 ft-lbf

Weights		
Operating Weight	64 500 kg	120,200 lb
Machine Weight – Retrofit Configuration	63 100 kg	117,900 lb
UHD in Cradle	11 800 kg	26,000 lb
Retrofit Boom in Cradle – R3.35 TB Stick	7230 kg	15,950 lb
Retrofit Boom in Cradle – R3.9 TB Stick	7400 kg	16,320 lb

Service Refill Capacities		
Fuel Tank Capacity	715 L	189 gal
Cooling System	52 L	14 gal
Engine Oil	40 L	11 gal
Swing Drive	11 L	3 gal
Final Drive – Each	10 L	3 gal
Hydraulic System – Including Tank	550 L	145 gal
Hydraulic Tank	217 L	57 gal

Dimensions		
Shipping Height – Top of Cab	3390 mm	11.1 ft
Shipping Length	18 830 mm	61.8 ft
Tail Swing Radius	3760 mm	12.3 ft
Counterweight Clearance	1400 mm	4.6 ft
Ground Clearance	510 mm	1.7 ft
Track Length	5770 mm	18.9 ft
Track Length to Center of Rollers	4770 mm	15.7 ft
Shipping Gauge – Retracted Position	2400 mm	7.1 ft
Working Gauge – Extended Position	3400 mm	11.2 ft
Transport Width	2500 mm	8.2 ft
Machine Length – without Front, with Counterweight	7770 mm	25.5 ft
Machine Length – without Front and Counterweight	7600 mm	24.9 ft
Cab Height – With FOGS	3592 mm	11.8 ft
Track Width – Extended	4000 mm	13.1 ft
Track Width – Retracted	3000 mm	9.1 ft

- UHD Front (Base Boom, Nose Boom, Fore Boom), 9.1 m (29'9") UHD Stick, 600 mm (24") triple grouser shoes and 12.0 mt (26,455 lb) counterweight

Working Ranges and Forces		
Maximum Pin Height at Stick Nose	27.7 m	90.8 ft
Maximum Weight at Stick Nose	3700 kg	8,200 lb
Maximum Working Pin Height at Stick Nose – 1/2	22 930 mm	75.3 ft
Maximum Working Reach at Stick Nose – 1/2	13 850 mm	45.4 ft
Maximum Height at Stick Nose in Max Reach Position	16 110 mm	52.1 ft
Maximum Reach at Stick Nose	15 770 mm	51.8 ft

- 28 m (91'10") UHD Front (Over-the-Front)

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AEXQ3556 (04-2023)
Build Number: 07E
(Afr-ME, Eurasia, S Am,
SE Asia, Indonesia)

