



Cat[®] 352 UHD

Ultra High Demolition Hydraulic Excavator

The Cat[®] 352 UHD reaches where other machines cannot. With its unique boom coupling system, you can switch between Ultra High Demolition and Retrofit fronts with no special tools in 15 minutes. Where the real power comes in is through the hydraulic system. You can literally rip up and tear down structures all day long with a great deal of speed, precision, and control. And Caterpillar offers the best-in-class work tool capability – bigger and more versatile work tools for bigger and more versatile demolition applications. When you add in a quiet and comfortable tilting cab, easy-to-reach maintenance points, and legendary product support, you simply won't find a better 60-ton class choice for demolition. Take advantage of outstanding operating costs thanks to the new electrohydraulic pump and valves, plus longer life fuel, oil, and air filters.

Performance

- UHD front parts can reach up to 28 m (90 ft) of vertical pin height, working with a 3.7 ton (8,157 lbs) tool with 15.8 m (51 ft) horizontal reach.
- Cat active stability monitoring system continuously informs operators of work tool position within the safe working range and warns when approaching the stability limit.
- Hydraulically actuated variable gauge undercarriage provides outstanding stability extended to 4000 mm (13 ft) and retracted to 3000 mm (10 ft). Transportation of the machine is simple.
- Standard rearview and right-hand sideview cameras give clear views on the monitor.
- The C13 engine can run on biodiesel up to B20 and meets EU Stage V, U.S. EPA Tier 4 Final, and Japan 2014 emission standards.
- Match the excavator to the job with three power modes – Power, Smart, and ECO. Smart mode automatically matches engine and hydraulic power to working requirements, providing maximum power when needed and reducing power when it isn't to help save fuel.
- The new high-efficiency hydraulic reversing fan cools the engine on demand to help reduce fuel consumption.
- Cat technologies increase operating efficiency to lower operator fatigue and your operating costs, including fuel consumption and daily maintenance.

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

Operator Comfort

- Demolition cab with FOGS includes front and roof of P5A 10 mm (0.4") laminated glass.
- Tilt-up 30° for a more productive and comfortable sight line.
- The windshield and roof one-piece parallel wipers with three intermittent settings includes washer spray.
- Premium heated and cooled seat is standard.
- Get in and out of the cab easier using the tip-up left console.
- Advanced viscous mounts reduce cab vibration up to 50% over previous excavator models.
- Control the excavator comfortably with easy-to-reach controls, all located in front of you.
- UHD front is worktool camera ready for easy dealer-available kit installation and includes water-spray-system-ready wiring and hoses.
- Stow your gear with plenty of in-cab storage beneath and behind the seat, overhead, and in the consoles.
- Use the standard radio's USB ports and Bluetooth technology to connect personal devices and make hands-free calls.

Simple Operation

- Start the engine with a push button; use a Bluetooth key fob, smartphone app, 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.
- Automatic hydraulic oil warmup gets you to work faster in cold temperatures and helps prolong the life of components.
- Navigate quickly on the high-resolution 254 mm (10 in) touchscreen monitor or with the aid of the jog dial control.
- 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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Efficiency and Productivity with Integrated Cat Technology

- Boost efficiency when using the Retrofit boom with standard Cat GRADE with 2D system versus traditional excavator technology.
- Standard Cat Payload on-board weighing system for use with Retrofit booms achieves precise load targets and increases loading efficiency with on-the-go weighing and real-time estimates of your payload without swinging.
- Combine Payload with VisionLink® and remotely manage your production targets, now with the ability to download on a USB stick.
- 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.
- 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.
- Remote Troubleshoot connects you to a dealer service professional to help solve your problem and quickly get you to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- The Cat App helps you manage fleet location, hours, and maintenance schedules; it also alerts you for required maintenance and even allows you to request service from your local Cat dealer.
- The Cat attachment locator can help you find tools, track work time, and plan maintenance and replacement – all through your Cat App-equipped smartphone.

Maintenance

- Enjoy low maintenance cost due to extended service intervals.
- 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 are grouped and located on the right-hand side of the machine for easy maintenance.
- The engine air intake filter with precleaner has double the dust holding capacity of the previous air intake filter.
- The hydraulic oil filter provides improved filtration performance, anti-drain valves to keep oil clean when the filter is replaced, and long life with a 3,000-hour replacement interval – 50% longer than previous filter designs.
- S•O•SSM ports simplify maintenance and allow for quick, easy extraction of fluid samples for analysis.

Safety

- Standard swing 2D E-Fence integrated right out of the factory prevents the excavator from moving outside of operator-defined setpoints with the Retrofit boom.
- The standard Stability Monitoring System provides operator-friendly interface with adjustable warning.
- A travel direction indicator helps operators know which way to activate the travel levers.
- Enjoy greater visibility in each swing direction with the help of smaller cab pillars and larger windows.
- A ground-level shutoff switch stops all fuel to the engine when activated and shuts down the machine.
- Rear and right-hand side cameras are standard.
- Serrated steps and an 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 (CONTINUED)		
Tilt-up demolition cab with P5A 10 mm laminated front and roof glass	✓		Towing eye on base frame	✓	
FOGS guarding	✓		600 mm (24") HD triple grouser track shoes		✓
High-resolution touchscreen monitor	✓		700 mm (28") triple grouser track shoes		✓
Premium heated and cooled automatically adjustable suspension seat	✓		BOOMS AND STICKS		
Tilt-up left console for easy ingress/egress	✓		28 m (91'10") UHD front with worktool camera and water spray ready	✓	
Windshield and roof parallel wiper with intermittent settings	✓		9.1 m (29'9") Retrofit boom		✓
			2.9 m (9'5") Retrofit stick		✓
			3.35 m (11'0") Retrofit stick		✓
ENGINE			Advanced tool control, UHD	✓	
Three selectable modes: Power, Smart, ECO	✓		ELECTRICAL SYSTEM		
Automatic engine speed control	✓		Maintenance-free 1,000 CCA batteries (x 4)	✓	
Up to 4500 m (14,760 ft) altitude capability	✓		Centralized electrical disconnect switch	✓	
52° C (126° F) high-ambient cooling	✓		LED lights	✓	
-18° C (0° F) cold start capability	✓		CAT TECHNOLOGY		
-32° C (-25° F) cold start capability		✓	Cat Product Link	✓	
Cold start block heaters		✓	Stability monitoring system for UHD	✓	
Ether starting aid		✓	Electronic pitch and roll indicator	✓	
Double element air filter with integrated precleaner	✓		Swing 2D E-Fence	✓	
Remote disable	✓		Travel direction indicator	✓	
Biodiesel capability up to B20	✓		Operator coaching	✓	
			Electronic joystick pattern changer	✓	
			Remote services capability	✓	
HYDRAULIC SYSTEM			CAT TECHNOLOGY – RETROFIT BOOM		
Boom lowering check valve (BLCV) for UHD front		✓	Cat GRADE with 2D	✓	
Stick lowering check valve (SLCV) for UHD front		✓	Swing 2D E-Fence	✓	
SmartBoom™ with BLCV and Overload Warning Device for UHD front		✓	Cat Payload	✓	
Boom and stick regeneration circuit	✓		SERVICE AND MAINTENANCE		
Electronic main control valve	✓		Grouped location of engine oil and fuel filters	✓	
Automatic hydraulic oil warmup	✓		Scheduled Oil Sampling (S•O•S) ports	✓	
Automatic swing parking brake	✓		QuickEvac™ maintenance ready		✓
High performance hydraulic return filter	✓		Electric refueling pump with auto shutoff		✓
Two-speed travel	✓		SAFETY AND SECURITY		
Bio hydraulics oil capability	✓		Cat One Key security system	✓	
Combined two-way auxiliary circuit		✓	Lockable external tool/storage box	✓	
High and medium-pressure auxiliary circuits		✓	Lockable door, fuel, and hydraulic tanks	✓	
Quick coupler circuit		✓	Lockable fuel drain compartment	✓	
UNDERCARRIAGE AND STRUCTURES			Service platform with anti-skid plate and recessed bolts	✓	
Long Hydraulic Variable Gauge (VG) undercarriage	✓		Rear and right-hand side cameras	✓	

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Technical Specifications

Engine

Engine Model – Meets EU Stage V/U.S. EPA Tier 4 Final/Japan 2014 Emissions Standards	Cat C13	
Engine Power – ISO 14396	317 kW	425 hp
Engine Power – ISO 9249	316 kW	424 hp
Bore	130 mm	5 in
Stroke	157 mm	6 in
Displacement	12.5 L	763 in ³

Weights

352 UHD Front, Hydraulic Variable Gauge, 600 mm Triple Grouser Tracks	65 000 kg	143,300 lb
352 UHD Front, Hydraulic Variable Gauge, 700 mm Triple Grouser Tracks	65 500 kg	144,400 lb
352 Retrofit Boom, R3.35 m (11'0" Stick), Hydraulic Variable Gauge, 600 mm Triple Grouser Tracks, 3.08 m ³ (4.03 yd ³) GD Bucket	63 300 kg	139,600 lb
352 Retrofit Boom, R2.9 m (9'6" Stick), Hydraulic Variable Gauge, 600 mm Triple Grouser Tracks, 3.08 m ³ (4.03 yd ³) GD Bucket	63 200 kg	139,400 lb
UHD Front in Cradle	11 800 kg	26,000 lb
Retrofit Boom – R3.35 m ³ (11'0") Stick in Cradle	7120 kg	15,700 lb
Retrofit Boom – R2.9 m ³ (9'6") Stick in Cradle	7010 kg	15,460 lb

Hydraulic System

Main System – Maximum Flow – Implement	779 L/min (389 x 2 pumps)	206 gal/min (103 x 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	26 000 kPa	3,771 psi

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	40 L	10.6 gal
Final Drive (each)	15 L	4.0 gal
Hydraulic System (including tank)	550 L	145.3 gal
Hydraulic Tank (including suction pipe)	217 L	57.3 gal
DEF Tank	46 L	12.2 gal.

Sound

External – ISO 6395:2008	108 dB(A)
Inside Cab – ISO 6396:2008	72 dB(A)

Drive

Maximum Gradeability	35°/70%	
Maximum Travel Speed	4.76 km/h	3.0 mph
Maximum Drawbar Pull	323 kN	72,613 lbf

Dimensions

Cab Height	3390 mm	11'1"
FOGS Height	3592 mm	11'9"
Tail Swing Radius	3760 mm	12'4"
Track Length	5770 mm	18'11"
Ground Clearance	510 mm	1'8"
Track Width – Retracted – 600 mm – without steps	3000 mm	9'10"
Track Width – Extended – 600 mm – without steps	4000 mm	13'1"
Machine Transportation Height – UHD	3592 mm	11'9"
Machine Transport Length – UHD	18 830 mm	61'9"
Machine Transportation Height – Retrofit Bent Boom – R3.35 m Stick	4060 mm	13'3"
Machine Length – Retrofit Bent Boom – R3.35 m Stick	12 030 mm	39'5"

Working Ranges – UHD – C Linkage

Max Weight at Stick Nose	3.7 tons	8,157 lb
Max Pin Height at Stick Nose	27 670 mm	90'9"
Max Working Pin Height at Stick Nose – 1/2	22 930 mm	75'2"
Max Working Reach at Stick Nose – 1/2	15 630 mm	51'3"
Max Height at Stick Nose in Max Reach Position	16 110 mm	52'10"
Max Reach at Stick Nose	15 770 mm	51'8"

Working Ranges and Forces – Retrofit Boom Straight – TB Linkage

	R3.35 m	11'0"
Max Weight at Stick Nose	5982 kg	13,190 lb
Max Pin Height at Stick Nose	12.13 m	39'10"
Max Working Pin Height at Stick Nose – 1/2	11.13 m	36'6"
Max Working Reach at Stick Nose – 1/2	2.337 m	7'8"
General Duty Bucket	3.08 m ³	4.03 yd ³
Max Digging Depth	5180 mm	16'11"
Max Reach at Ground Level	12 790 mm	41'11"
Bucket Digging Force (ISO)	268 kN	60,250 lbf
Stick Digging Force (ISO)	199 kN	44,740 lbf

Working Ranges and Forces – Retrofit Boom Bent – TB Linkage

	R3.35 m	11'0"
General Duty Bucket	3.08 m ³	4.03 yd ³
Max Digging Depth	6670 mm	21'10"
Max Reach at Ground Level	11 880 mm	38'11"
Max Loading Height	7500 mm	24'7"
Minimum Loading Height	4580 mm	15'0"
Bucket Digging Force (ISO)	268 kN	60,250 lbf
Stick Digging Force (ISO)	199 kN	44,740 lbf



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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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