



# Cat<sup>®</sup> 395

## Hydraulic Excavator

*For big-time production, you cannot beat the 395. With 10 percent more swing torque and 10 percent more stick force than the 390F it replaces, you'll experience faster cycle times and greater groundbreaking power. Plus you get two times more structural durability and up to 20 percent less maintenance for longer service life and greater uptime.*

### High Performance

- The 395 is up to 10 percent more productive than the 390F it replaces.
- Swing torque increase of 10 percent makes cycle times much faster.
- Stick force increase of 10 percent makes cutting through tough material easier than ever.
- Multi functioning is smoother and more efficient with the new hydrostatic swing circuit.
- Booms, sticks, and frames are two times more durable than the previous series, which will give you years of reliable performance in the harshest environments.
- Match the excavator to the job with three operating modes: Power, Smart, and ECO.
- Advansys™ bucket tips increase penetration and improve cycle times. Tip changes can be done quickly with a simple lug wrench instead of a hammer or special tool, improving safety and uptime.
- Auxiliary hydraulic options give you the versatility to use a wide range of Cat<sup>®</sup> attachments.
- Don't let the temperature stop you from working. This excavator has a high-ambient capability of 52° C (125° F) and standard cold start capability of -18° C (-0.4° F).

### Boost Efficiency and Productivity with Cat Technology

- Standard Cat PAYLOAD on-board weighing system: Achieve precise load targets and increase loading efficiency with on-the-go weighing and real-time payload estimates without swinging.
- VisionLink<sup>®</sup> helps you remotely manage your production targets. The monitor's USB port lets you download your results from one shift all the way up to 30 days of work so you manage your progress without needing an internet connection or VisionLink subscription.
- Boost productivity versus traditional grading with standard Cat GRADE with 2D system – includes indicate-only and laser capability.
- Upgrade easily to optional Cat GRADE with Advanced 2D or 3D.
- Remote Troubleshoot connects you to a dealer service pro 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.
- 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.



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## Work in Comfort in the All-New Cab

- Choose between Deluxe and Premium cabs – both with automatic climate control.
- Stay warm with the Deluxe heated seat; stay warm and cool with the Premium heated and ventilated seat.
- Get in and out of the cab easier using the tip-up left console.
- Advanced viscous mounts reduce cab vibration up to 50 percent over previous excavator models.
- 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, 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 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.
- Program up to four depth and slope offsets so you can easily get to grade without a grade checker – a real time saver and safety enhancer on the jobsite.
- Protect your hammer from overworking. Auto hammer stop warns you after 15 seconds of continuous firing and then automatically shuts it off after 30 seconds – all to prevent wear and tear on the attachment and excavator.
- Automatic hydraulic oil warm up gets you to work faster in cold temperatures and helps prolong the life of components.
- Navigate quickly on the standard high-resolution 254 mm (10 in) touchscreen monitor or with the aid of the jog dial control.
- A second 254 mm (10 in) monitor is available for the Cat GRADE with Advanced 2D and Cat GRADE with 3D.
- 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 or Cat App on your phone will locate the device automatically.
- Save more time and energy with available work tool recognition. A simple shake of the attached tool confirms its identity; it also ensures all the attachment settings are correct so you can get to work quickly and efficiently.
- 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.

## Less Maintenance

- Expect up to 20 percent less maintenance cost than the 390F due to reduced hydraulic oil capacity and extended and synchronized service intervals
- The excavator is auto lube ready with built-in mounting points; an available auto lube retrofit kit provides additional hardware to mount a grease pump and line guards.
- Track your excavator's filter life and maintenance intervals via the in-cab monitor.
- Fuel filters are synchronized to be changed at 1,000 hours; they are accessible from the upper platform.
- The advanced air intake filter with precleaner has double the dust holding capacity of the previous air intake filter.
- The new hydraulic oil filter provides improved filtration performance, anti-drain valves to keep oil clean when the filter is replaced, and longer life with a 3,000 hour replacement interval – 50 percent longer than previous filter designs.
- The new high-efficiency hydraulic fan has an automatic reverse function to keep cores free from debris, eliminating the need for any operator interaction.
- S•O•S<sup>SM</sup> ports simplify maintenance and allow for quick, easy extraction of fluid samples for analysis.

## Enhanced Safety

- Standard 2D E-Fence is integrated right out of the factory, which prevents the excavator from moving outside of operator-defined set points.
- Lift Assist helps you avoid tipping by letting you know if your load is within the excavator's safe working range limits.
- Rear 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.
- See all around the machine with the premium 360° lighting package and its 1,800 lumens lights on the chassis, cab, boom, sides, and rear.
- Serrated steps and anti-skid punch plate on the service platform help prevent slipping.
- 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.

## Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
<b>CAB</b>					
High-resolution 254 mm (10") LCD touchscreen monitor	✓		<b>BOOMS AND STICKS</b>		
Heated seat with air-adjustable suspension (Deluxe only)	✓		7.25 m (23'9") Mass boom		✓
Heated and cooled seat with automatic adjustable suspension (Premium only)	✓		8.4 m (27'7") GP boom		✓
<b>ENGINE</b>					
Cold start block heaters		✓	10 m (32'10") Reach boom		✓
Three selectable modes: Power, Smart, Eco	✓		2.92 m (9'7") Mass stick		✓
Automatic engine speed control	✓		2.92 m (9'7") GP stick		✓
Up to 4500 m (14,764 ft) altitude capability	✓		3.4 m (11'2") Mass stick		✓
52° C (126° F) high-ambient cooling capacity	✓		3.4 m (11'2") GP stick		✓
-18° C (-0.4° F) cold start capability	✓		3.7 m (12'2") GP stick		✓
Hydraulic reverse fan	✓		4.4 m (14'5") HD stick		✓
Double element air filter with integrated precleaner	✓		5.5 m (18'1") HD stick		✓
Remote disable	✓		<b>ELECTRICAL SYSTEM</b>		
Biodiesel capability up to B20	✓		Maintenance-free 1,400 CCA batteries (x2)	✓	
<b>HYDRAULIC SYSTEM</b>					
SmartBoom™		✓	Centralized electrical disconnect switch	✓	
Boom and stick regeneration circuit	✓		Chassis light	✓	
Electronic main control valve	✓		LED boom and cab lights		✓
Dedicated closed loop swing circuit	✓		<b>CAT TECHNOLOGY</b>		
Automatic hydraulic oil warm up	✓		Cat Product Link	✓	
Automatic swing parking brake	✓		Cat GRADE with 2D	✓	
High performance hydraulic return filter	✓		Cat GRADE with Advanced 2D		✓
Two speed travel	✓		Cat GRADE with 3D		✓
Bio hydraulic oil capability	✓		Cat PAYLOAD	✓	
Advanced tool control		✓	E-Fence	✓	
Medium-pressure auxiliary circuit		✓	Lift Assist	✓	
Quick coupler circuit		✓	Remote Services capability	✓	
<b>UNDERCARRIAGE AND STRUCTURES</b>					
Long variable gauge undercarriage	✓		<b>SERVICE AND MAINTENANCE</b>		
Towing eye on base frame	✓		Auto lube ready	✓	
Standard counterweight	✓		Grouped location of engine oil and fuel filters	✓	
Counterweight with removal device		✓	Scheduled Oil Sampling (S•O•S) ports	✓	
650 mm (26") HD double grouser track shoes		✓	QuickEvac™ maintenance ready		✓
750 mm (30") HD double grouser track shoes		✓	Electric refueling pump with auto shutoff		✓
900 mm (35") HD double grouser track shoes		✓	<b>SAFETY AND SECURITY</b>		
<b>SAFETY AND SECURITY</b>					
			Caterpillar One Key security system	✓	
			Lockable external tool/storage box	✓	
			Lockable door, fuel, and hydraulic tank locks	✓	
			Lockable fuel drain compartment	✓	
			Service platforms with anti-skid plate	✓	
			RH handrail and hand hold	✓	
			Mirror package	✓	
			Signaling/warning horn	✓	
			Ground-level secondary engine shutoff switch	✓	
			Rearview and right-hand-sideview cameras	✓	
			360° visibility		✓
			Boom lowering check valve		✓
			Stick lowering check valve		✓

# Cat® 395 Hydraulic Excavator

## Technical Specifications

### Engine

Engine Model	C18	
Engine Power – ISO 9249*	404 kW	542 hp
Engine Power – ISO 14396	405 kW	543 hp
Bore	145 mm	6 in
Stroke	183 mm	7 in
Displacement	18.1 L	1,105 in <sup>3</sup>

\*Net power available at the flywheel when the engine is equipped with fan, air cleaner, aftertreatment, and alternator with engine speed at 1,900 rpm.

### Hydraulic System

Main System – Maximum Flow – Implement	1064 L/min (532 × 2 pumps)	281 gal/min (141 × 2 pumps)
Maximum Pressure – Equipment – Implement	37 000 kPa	5,366 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	31 000 kPa	4,496 psi

### Swing Mechanism

Swing Speed	6.3 rpm	
Maximum Swing Torque	362 kN·m	267,333 lbf·ft

### Weights

Operating Weight	94 000 kg	207,300 lb
GP boom, R4.4HB2 (14'5") stick, SD 5.2 m <sup>3</sup> (6.8 yd <sup>3</sup> ) bucket, 900 mm (35") double grouser shoes, counterweight with removal device.		

### Service Refill Capacity

Fuel Tank Capacity	1220 L	322 gal
Cooling System	71 L	19 gal
Engine Oil (with filter)	67 L	18 gal
Swing Drive (each)	24 L	6 gal
Final Drive (each)	20 L	5 gal
Hydraulic System (including tank)	740 L	196 gal
Hydraulic Tank (including suction pipe)	372 L	98 gal
DEF Tank	80 L	21 gal

### Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.00 kg of refrigerant, which has a CO<sub>2</sub> equivalent of 1.430 metric tonnes.

### Dimensions

<b>Boom</b>	<b>GP 8.4 m (25'7")</b>	
<b>Stick</b>	<b>Reach 4.4 m (14'5")</b>	
<b>Bucket</b>	<b>SD 5.2 m<sup>3</sup> (6.8 yd<sup>3</sup>)</b>	
Shipping Height (top of cab)	3670 mm	12'
Handrail Height	3750 mm	12'4"
Shipping Length (boom, stick, bucket installed)	15 090 mm	49'6"
Tail Swing Radius	4840 mm	15'11"
Counterweight Clearance	1640 mm	5'5"
Ground Clearance	830 mm	2'9"
Track Length	6350 mm	20'10"
Track Length to Center of Rollers	5120 mm	16'10"
Track Gauge – Extended	3510 mm	11'6"
Track Gauge – Retracted	2750 mm	9'
Transport Width – Extended – 900 mm (35") Shoes – Without Steps	4450 mm	14'7"
Transport Width – Retracted – 900 mm (35") Shoes – Without Steps	3880 mm	12'9"

### Working Ranges

<b>Boom</b>	<b>GP 8.4 m (25'7")</b>	
<b>Stick</b>	<b>Reach 4.4 m (14'5")</b>	
<b>Bucket</b>	<b>SD 5.2 m<sup>3</sup> (6.8 yd<sup>3</sup>)</b>	
Maximum Digging Depth	9670 mm	31'9"
Maximum Reach at Ground Level	14 710 mm	48'3"
Maximum Cutting Height	13 540 mm	44'5"
Maximum Loading Height	9250 mm	30'4"
Minimum Loading Height	3030 mm	9'11"
Maximum Depth Cut for 2440 mm (8'0") Level Bottom	9560 mm	31'4"
Maximum Vertical Wall Digging Depth	6770 mm	22'3"
Bucket Digging Force (ISO)	383 kN	86,100 lbf
Stick Digging Force (ISO)	305 kN	68,540 lbf



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