



# 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.
- Enhanced heavy lift mode increases system pressure to help you pick and place heavy material with ease.
- 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 payload data from one shift all the way up to 30 days of work so you can 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.



# Cat® 395 Hydraulic Excavator

## 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 203 mm (8 in) or available 254 mm (10 in) touchscreen monitor; use the jog dial control to navigate even quicker.
- 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 available. Upgrade to 360° visibility and 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 lumen 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 203 mm (8") LCD touchscreen monitor	✓				
High-resolution 254 mm (10") LCD touchscreen monitor		✓			
Heated seat with air-adjustable suspension (Deluxe only)	✓				
Heated and cooled seat with automatic adjustable suspension (Premium only)	✓				
<b>ENGINE</b>					
Cold start block heaters		✓			
Three selectable modes: Power, Smart, Eco	✓				
Automatic engine speed control	✓				
Up to 4500 m (14,764 ft) altitude capability	✓				
52° C (126° F) high-ambient cooling capacity	✓				
-18° C (-0.4° F) cold start capability	✓				
Hydraulic reverse fan	✓				
Double element air filter with integrated precleaner	✓				
Remote disable	✓				
Biodiesel capability up to B20	✓				
<b>HYDRAULIC SYSTEM</b>					
Boom and stick regeneration circuit	✓				
Electronic main control valve	✓				
Dedicated closed loop swing circuit	✓				
Automatic hydraulic oil warm up	✓				
Automatic swing parking brake	✓				
High performance hydraulic return filter	✓				
Two speed travel	✓				
Bio hydraulic oil capability	✓				
Advanced tool control		✓			
Medium-pressure auxiliary circuit		✓			
Quick coupler circuit		✓			
<b>UNDERCARRIAGE AND STRUCTURES</b>					
Long variable gauge undercarriage	✓				
Towing eye on base frame	✓				
Standard counterweight	✓				
Counterweight with removal device		✓			
650 mm (26") HD double grouser track shoes		✓			
750 mm (30") HD double grouser track shoes		✓			
900 mm (35") HD double grouser track shoes		✓			
<b>BOOMS AND STICKS</b>					
7.25 m (23'9") Mass boom					✓
8.4 m (27'7") GP boom					✓
2.92 m (9'7") Mass stick					✓
3.4 m (11'2") Mass stick					✓
3.4 m (11'2") GP stick					✓
<b>ELECTRICAL SYSTEM</b>					
Maintenance-free 1,400 CCA batteries (×2)	✓				
Centralized electrical disconnect switch	✓				
Chassis light	✓				
LED boom and cab lights					✓
<b>CAT TECHNOLOGY</b>					
Cat Product Link	✓				
Cat GRADE with 2D	✓				
Cat GRADE with Advanced 2D					✓
Cat GRADE with 3D					✓
Cat PAYLOAD	✓				
E-Fence	✓				
Lift Assist	✓				
Remote Services capability	✓				
<b>SERVICE AND MAINTENANCE</b>					
Auto lube ready	✓				
Grouped location of engine oil and fuel filters	✓				
Scheduled Oil Sampling (S•O•S) ports	✓				
QuickVac™ maintenance ready					✓
Electric refueling pump with auto shutoff					✓
<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					✓

# 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, muffler, 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	94 100 kg	207,400 lb
Mass boom, M2.92JC (9'7") stick, SDV 6.5 m <sup>3</sup> (8.5 yd <sup>3</sup> ) bucket, 650 mm (26") double grouser shoes, standard counterweight.		

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

Dimensions		
<b>Boom</b>	<b>Mass 7.25 m (23'9") Boom</b>	
<b>Stick</b>	<b>Mass 2.92 m (9'7") Stick</b>	
<b>Bucket</b>	<b>SDV 6.5 m<sup>3</sup> (8.5 yd<sup>3</sup>) Bucket</b>	
Shipping Height (top of cab)	3670 mm	12'0"
Handrail Height	3750 mm	12'4"
Shipping Length – Boom, Stick, Bucket Installed	13 980 mm	45'10"
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	9'0"
Transport Width – Extended – 650 mm (35") Shoes – Without Steps	4450 mm	14'7"
Transport Width – Retracted – 650 mm (35") Shoes – Without Steps	3690 mm	12'1"

Working Ranges		
<b>Boom</b>	<b>Mass 7.25 m (23'9") Boom</b>	
<b>Stick</b>	<b>Mass 2.92 m (9'7") Stick</b>	
<b>Bucket</b>	<b>SDV 6.5 m<sup>3</sup> (8.5 yd<sup>3</sup>) Bucket</b>	
Maximum Digging Depth	7190 mm	23'7"
Maximum Reach at Ground Level	12 260 mm	40'3"
Maximum Cutting Height	12 370 mm	40'7"
Maximum Loading Height	7960 mm	26'1"
Minimum Loading Height	3660 mm	12'0"
Maximum Depth Cut for 2440 mm (8'0") Level Bottom	7050 mm	23'2"
Maximum Vertical Wall Digging Depth	4580 mm	15'0"
Bucket Digging Force (ISO)	497 kN	111,820 lbf
Stick Digging Force (ISO)	394 kN	88,570 lbf

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AEXQ2900-01 (06-2020)  
Build Number: 07A  
(Afr-ME, CIS, China, Korea, India, Indonesia,  
S Am, Pacific Island, SE Asia, Turkey)

