

395

Hydraulic Excavator

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Engine power - ISO14396	569 kW (763 hp)
Operating weight	95000 kg(209400 lb)
Maximum ground reach	12260 mm (40.3 ft)
Bucket capacity	6.5 m ³



Technical Specifications

engine

Engine Model	Cat® C18 TTA	
Net Power - ISO 9249 Net	568 kW	762 hp
Power - ISO 9249 (DIN)	752 hp (metric)	
Engine power - ISO 14396	569kW	763 hp
Engine power - ISO 14396 (DIN)	753 hp (metric)	
cylinder diameter	145 mm	6 in
Stroke	183 mm	7 in
Displacement	18.1 L	1,105 in³
Biodiesel performance	The highest concentration is 100% biodiesel FAME (fatty acid methyl ester).	
emission	The CatC18TA/C18TTA engine equipped in the 395 meets China's National III non-road equivalent emission standards.	

The nominal net power rating refers to the power delivered at the flywheel at 2100 rpm when the engine is equipped with a fan, intake system, exhaust system, and alternator. Nominal power rating is tested according to the specified standards in effect at the time of manufacture.

Cat engines are compatible with diesel fuels blended with the following low-carbon intensity fuels*: up to 100% biodiesel FAME (Fatty Acid Methyl Ester)* or up to 100% renewable diesel, HVO (Hydrotreated Vegetable Oil), and GTL (Gas-to-liquid) fuels. Refer to the guide for successful applications. For more information, consult your Cat dealer or refer to "Caterpillar Machine Fluid Recommendations" (SEBU 6250).

*Engines without aftertreatment systems can use up to 100% blended biodiesel.

***The greenhouse gas emissions from low-carbon intensity fuels are substantially the same as those from conventional fuels.

Hydraulic system

Main System - Maximum Traffic - Equipment	1064 L/min	281 gpm
Maximum pressure - equipment	37000 kPa	5366 psi
Maximum pressure - Maximum	35000 kPa	5076 psi
pressure during driving - Slewing	31000 kPa	4496 psi

Rotary machinery

Rotation speed	6.26 rpm	6.26 rpm
Maximum slewing torque	362 kN·m	267333 ft·lbf

weight

Working weight	95000 kg	209400 lb
Extended variable gauge chassis system, large-capacity boom, M2.92JC (97") stick, SDV 6.5 m³ (8.5 yd³) bucket, 650 mm (26") dual gripper track shoes, and 15,450 kg (34,060 lb) counterweight.		

Maintenance and refill capacity

Fuel tank capacity	1220L	322 gal
Cooling system	71 L	19 gal
Engine oil	67 L	18 gal
Rotary drive	24 L	6 gal
Final drive - each	20 L	5 gal
Hydraulic system - includes	740 L	196 gal
Hydraulic oil tank	372 L	98 gal

size

boom	Large bucket capacity: 7.25 m (23'9")	
Bucket	Large bucket capacity: 2.92 m (9'7")	
with boom	SDV 6.5 m³ (8.5 yd³)	
Loading height – top of cab	3670 mm	12 ft
Handrail height	3750 mm	12.4 ft
Shipment length	13980 mm	45.1 ft
Tail turning radius	4840 mm	15.11 ft
counterweight gap	1640 mm	5.5ft
Ground clearance	830 mm	2.9ft
Track length	6350 mm	20.1ft
Track track roller center distance	5120 mm	16.1ft
Track gauge	3510 mm	11.6ft
Transport width	3690 mm	12.1ft

Track gauge, chassis system deployed, equipped with 650 mm (26") track shoes; transport width, chassis The system retracts, equipped with 650 mm (26") track plates and without a ladder.

395 is compatible with buckets ranging from 5.7 m³ (7.5 yd³) to 8.5 m³ (11.12 yd³) in capacity.

Working range and force

boom	Large bucket capacity: 7.25 m (23'9")	
stick	Large bucket capacity: 2.92 m (9'7")	
Maximum	SDV 6.5 m³ (8.5 yd³)	
Digging depth of the bucket	7190 mm	23.7 ft
Maximum ground extension distance	12260 mm	40.3 ft
Maximum excavation height	12370 mm	40.7 ft
Maximum loading height	7960 mm	26.1 ft
Minimum loading height	3660 mm	12 ft
The maximum excavation depth is 7050 mm for a flat bottom of 2440 mm (8 ft).		
Maximum vertical wall excavation depth	4580 mm	15 ft
Bucket digging force - ISO	497 kN	111820 ft·lbf
Stick digging force - ISO	394 kN	88570 ft·lbf

Air conditioning system

The air conditioning system of this machine uses the fluorinated greenhouse gas refrigerant R134a (global warming potential = 1430). The system contains 1.00 kg (2.2 lb) of refrigerant, with a CO2 equivalent of 1.430 metric tons (1.576 short tons).

Standard and optional equipment

	Standard	Optional
driver's cab		
High-resolution 203 mm (8") LCD touchscreen monitor	✓	
Heated adjustable air suspension seat (only in luxury cab)	✓	
Automatic two-stage air conditioning	✓	
Dial and shortcut keys for monitor control	✓	
Keyless push-button engine start control unit	✓	
Unlimited height-adjustable control console without tools	✓	
Tilttable left-side control console	✓	
51 mm (2") orange seat belt	✓	
Bluetooth integrated radio	✓	
2 x 12V DC power outlets	✓	
File storage space	✓	
Cup holder and bottle holder	✓	
Two-piece openable front windshield	✓	
Upper wiper with washer	✓	
Openable polycarbonate skylight	✓	
LED ceiling light	✓	
Floor welcome lights	✓	
Front roll-up sun visor	✓	
Rear window emergency exit	✓	
Washable floor mat	✓	
Warning light equipped	✓	
High-resolution 254 mm (10") LCD touchscreen monitor		✓
Lower directional wiper		✓
Joystick handle with horizontal slider		✓
Electric step (RH) on the right side for tool control		✓
Dual-outlet rear window kit		✓
Front windshield laminated glass (P5A glass, EU ECE R43 compliant)		✓
Rear roll-up sun visor		✓
Operator Protective Guards (OPG) (not compatible with cab light covers and rain shields)		✓
Full front mesh screen(not compatible with cab light covers and rain shields)		✓
Lower front half of mesh screen		✓
Front windshield rain guard and cab light cover		✓

	Standard	Optional
Undercarriage System and Structure		
Extended variable undercarriage system	✓	
Frame towing eyes	✓	
Grease-lubricated track	✓	
Swing guard	✓	
Heavy-duty bottom guard	✓	
Heavy-duty travel motor guard	✓	
15450 kg (34060 lb) counterweight	✓	
Two-piece full-length track guide guard		✓
Three-piece segmented track guide guard		✓
650 mm (26") heavy-duty double-grouser track shoes	✓	
750 mm (30") heavy-duty double-grouser track shoes	✓	
Boom and Stick		
Bucket linkage, JC type, no lifting eye	✓	
7.25 m (23'9") heavy-duty boom	✓	
2.92 m (9'7") heavy-duty stick	✓	
CAT Technology		
Remote refresh	✓	
GNSS antenna		✓
Remote troubleshooting	✓	
Engine		
Three selectable power modes: Power, Smart, and Eco	✓	
Automatic engine speed control	✓	
Operating altitude up to 4500 m (14760 ft)	✓	
Cold start capability at 52°C (126°F)	✓	
Cold start capability at -18°C (-0.4°F)	✓	
Hydraulically reversible fan	✓	
Dual-element air cleaner with pre-cleaner	✓	
Remote disable	✓	
Three vertically aligned cooling systems	✓	
95 A alternator	✓	
Cold start capability at -32°C (-25°F)		✓
Cold start block heater	✓	

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Standard and optional equipment

	Standard	Optional		Standard	Optional
Electrical System			Safety and Protection		
Maintenance-free 1400 CCA batteries (2 pcs)			Caterpillar single-key security system	✓	
Centralized electrical disconnect switch	✓		Hydraulic hammer auto-stop enhancement function		
Chassis lights	✓		Lockable external toolbox/storage box	✓	
LED boom and operator cabin lights		✓	Lockable circuit breaker switch	✓	
1800 lumen LED ultra-luxury ambient lights		✓	Lockable doors, fuel tank, and hydraulic oil tank locks		
Maintenance and Service			Lockable fuel drain	✓	
Vehicle integrated condition management system			Service platform with anti-slip plates and embedded bolts		
Reversible cooling fan	✓		Handrails installed on the platform	✓	
Convenient automatic lubrication system for easy retrofitting	✓		Rearview mirror kit	✓	
Engine oil and fuel filters centrally located	✓		Signal/alarm horn	✓	
S-O-S sampling port	✓		Ground auxiliary engine stop switch	✓	
Hydraulic System			Rearview camera	✓	
Boom and stick regeneration circuit	✓		Walkway	✓	
Electronic main control valve	✓		Bluetooth key card		✓
Dedicated closed-loop swing circuit	✓		Inspection lighting		✓
Automatic hydraulic oil preheating	✓		Forward-tilting walkway		✓
Automatic swing parking brake	✓				
High-performance hydraulic return filter	✓				
Dual travel	✓				
Compatible with bio-hydraulic oil	✓				
Hydraulic efficiency monitoring		✓			