

Product Specifications For 395 - Tier 4 / Stage V



Engine

Net Power - ISO 9249	542 hp
Net Power - ISO 9249 (DIN)	550 hp (metric)
Engine Model	Cat C18
Engine Power - ISO 14396	543 hp
Engine Power - ISO 14396 (DIN)	551 hp (metric)
Bore	6 in
Stroke	7 in
Displacement	1105 in ³
Biodiesel Capability	B20 ¹
Emissions	Meets U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, and Japan 2014 emission standards.
Note (1)	Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator with engine speed at 1,700 rpm. Advertised power is tested per the specified standard in effect at time of manufacture.

Note (2)

¹Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels** up to: 20% 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. * Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer). ** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

Hydraulic System

Main System - Maximum Flow - Implement

281 gal/min

Maximum Pressure - Equipment

5366 psi

Maximum Pressure - Travel

5076 psi

Maximum Pressure - Swing

4496 psi

Swing Mechanism

Swing Speed

6.26 r/min

Maximum Swing Torque

267333 ft·lbf

Weights

**Operating
Weight**

207400 lb

Note (1)

Long Variable Gauge undercarriage, GP boom, R4.4HB2 (14'5") stick, SD 5.2 m³ (6.8 yd³) bucket, 900 mm (35") double grouser shoes and counterweight with removal device.

Service Refill Capacities

Fuel Tank Capacity

322 gal (US)

Cooling System

19 gal (US)

Engine Oil	18 gal (US)
Swing Drive	6 gal (US)
Final Drive - Each	5 gal (US)
Hydraulic System - Including Tank	196 gal (US)
Hydraulic Tank	98 gal (US)
DEF Tank	21 gal (US)

Dimensions

Boom	GP 8.4m (25'7")
Stick	R4.4m (14'5")
Bucket	SD 5.2m ³ (6.8 yd ³)
Shipping Height - Top of Cab	12 ft
Handrail Height	12.4 ft
Shipping Length	49.6 ft
Tail Swing Radius	15.11 ft
Counterweight Clearance	5.5 ft
Ground Clearance	2.9 ft
Track Length	20.1 ft
Track Length to Center of Rollers	16.1 ft

Track Gauge	11.6 ft
Transport Width	12.9 ft
Note	Track gauge undercarriage extended with 900 mm (35") shoes; transport width undercarriage retracted with 900 mm (35") shoes and no steps

Working Ranges & Forces

Maximum Digging Depth	31.9 ft
Boom	GP 8.4m (25'7")
Stick	R4.4m (14'5")
Bucket	SD 5.2m ³ (6.8 yd ³)
Maximum Reach at Ground Level	48.3 ft
Maximum Cutting Height	44.5 ft
Maximum Loading Height	30.4 ft
Minimum Loading Height	9.11 ft
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	31.4 ft
Maximum Vertical Wall Digging Depth	22.3 ft
Bucket Digging Force - ISO	86100 ft·lbf
Stick Digging Force - ISO	68540 ft·lbf

Sustainability

Recyclability	98%
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Air Conditioning System

Air Conditioning

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.00 kg (2.2lb) of refrigerant, which has a CO2 equivalent of 1.430 metric tonnes (1.576 tons).

395 - Tier 4 / Stage V Standard Equipment

NOTE

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

CAB

High-resolution 254 mm (10") LCD touch screen monitor
Heated seat with air-adjustable suspension (Deluxe only)
Heated and cooled seat with auto adjustable suspension (Premium only)
Sound suppressed cab with viscous mounts
Automatic bi-level air conditioner
Jog dial and shortcut keys for monitor control
Keyless push-to-start engine control
Height-adjustable console, infinite with no tool
Tilt-up left-side console
51 mm (2") orange seat belt
Bluetooth integrated radio (including USB, aux port and microphone)
2 x 12V DC outlets
Cup and storage compartments
Openable two-piece front window (Deluxe standard)
Upper radial wiper with washer (Deluxe cab only)
Parallel wiper with washer (Premium only)
Openable polycarbonate skylight hatch (Deluxe standard)
LED dome light
Floor welcome light
Roller front sunscreen
Roller rear sunscreen (Premium standard)
Rear window emergency exit
Washable floor mat
Beacon Ready

CAT TECHNOLOGY

VisionLink
Remote Flash
Remote Troubleshoot
Operator Coaching
Compatibility with radios and base stations from Trimble, Topcon, and Leica
Capability to install 3D grade systems from Trimble, Topcon, and Leica
Cat Grade 2D
Cat Assist (Grade, Boom, Bucket, Swing, Lift)

Cat Payload (Static Weigh, Semiautomatic Calibration, Payload/Cycle Information, USB Reporting Capability)

Work tool recognition (Requires PL161 attachment locator on work tool and Bluetooth receiver on machine)

Work tool tracking (Requires PL161 attachment locator on work tool and Bluetooth receiver on machine)

ELECTRICAL SYSTEM

Maintenance-free 1,400 CCA batteries (x2)

Centralized electrical disconnect switch

Chassis light

Exterior lights (integrated into storage box)

ENGINE

Three selectable modes: Power, Smart, and Eco

Auto engine speed control

Up to 4500m (14,760 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 pre-cleaner

3 vertical side-by-side cooling system

Remote disable

95 Amp alternator

HYDRAULIC SYSTEM

Boom and stick regeneration circuit

Electronic main control valve

Dedicated closed loop swing circuit

Anti-reaction valve

Auto hydraulic oil warmup

Auto swing parking brake

High performance hydraulic return filter

Two speed travel

Bio hydraulic oil capability

SAFETY AND SECURITY

Caterpillar One Key security system

Lockable fuel drain compartment

Lockable external tool / storage box

Lockable door, fuel, and hydraulic tank locks

Lockable disconnect switch

Service platform with anti-skid plate & recessed bolts

Right hand handrail and hand hold (ISO 2867:2011 compliant)

Visibility mirror package

Signaling/warning horn

Ground-level secondary engine shutoff switch

Rearview and right-hand-sideview cameras
Walkway
Travel alarm
2D E-Fence (E-ceiling, E-floor, E-swing, E-wall, E-cab avoidance)

SERVICE AND MAINTENANCE

Integrated vehicle health management system
Auto lube ready
Grouped location of engine oil & fuel filters
Scheduled Oil Sampling (S·O·S) ports
QuickEvac maintenance ready
Reversing cooling fan

UNDERCARRIAGE AND STRUCTURES

Long variable gauge undercarriage
Swivel guard
Grease lubricated track
Standard counterweight
HD bottom guard
HD travel motor guard
Long variable gauge
Standard counterweight
Towing eye on base frame

395 - Tier 4 / Stage V Optional Equipment

NOTE

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

BOOMS AND STICKS

7.25 m (23'9") Mass boom
5.5 m (18'1") HD Reach stick
8.4 m (27'7") GP boom
10 m (32'10") Reach boom
2.92 m (9'7") Mass stick
2.92 m (9'7") GP stick
3.4 m (11'2") Mass stick
3.4 m (11'2") GP stick
3.7 m (12'2") GP stick
4.4 m (14'5") HD Reach stick
Bucket linkage, HB2 type without lifting eye, Autolube ready
Bucket linkage, HB2 type without lifting eye, Autolube ready
Bucket linkage, JC type with lifting eye, Autolube ready
Bucket linkage, JC type without lifting eye, Autolube ready

CAB

Cat Stick Steer
Auxiliary relay
Additional high-resolution LCD touch screen monitor for Cat Grade Advanced 2D and 3D
Roller rear sunscreen (Deluxe)
Radial lower wiper
Joystick with horizontal sliders
LH/RH electrical pedal for tool control
Dual exit rear window kit
Front windshield laminated glass (P5A glass, EU demolition regulation)
Cab/Operator Protective Guards (OPG) (not compatible with cab light cover, rain protector)
Mesh guard full front (not compatible with cab light, cover, rain protector)
Mesh guard lower half front
Rain protector for front windshield plus cab light cover

CAT TECHNOLOGY

VisionLink Productivity
Cat Grade Connectivity
Cat Grade 2D with Attachment Ready Option (ARO)
Cat Grade 3D single GNSS
Cat Grade dual GNSS
GNSS antennae
Laser catcher
Cat Tilt Rotator (TRS) Integration

ELECTRICAL SYSTEM

1,800 lumen LED premium surround lights
LED boom and cab lights

ENGINE

-32°C (-25°F) cold start capability
Cold start block heaters

HYDRAULIC SYSTEM

Hydraulic efficiency monitoring
Advanced tool control
Medium-pressure auxiliary circuit
Quick coupler circuit
Smart Boom

SAFETY AND SECURITY

Cat Command remote control
Swing alarm
360° visibility
Boom lowering check valve
Stick lowering check valve
Inspection lighting

Cat Detect people detection
Swing alarm
360° visibility
Boom lowering check valve
Stick lowering check valve
Inspection lighting
Tilt-up walkway
Bluetooth key fob
76mm (3") retractable seat belt

SERVICE AND MAINTENANCE

Electric refueling pump with auto shutoff
Fast-fill fuel system
QuickEvac maintenance ready

UNDERCARRIAGE AND STRUCTURES

Counterweight with removal device
650mm (26") HD double grouser track shoes
750mm (30") HD double grouser track shoes
900mm (35") HD double grouser track shoes
Three-piece segmented track guiding guards
Two-piece segmented track guiding guards