

980 GC

WHEEL LOADER



Engine Power	313 kW (420 hp)
Operating Weight	29 760 kg (65,610 lb)

Cat engine meets U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, China Nonroad Stage IV and Japan 2014 emission standards.



The Cat® 980 GC Wheel Loader is easy to own and operate. It offers low fuel consumption with an on-demand fan, load-sensing hydraulics, intuitive controls, and Performance Series Buckets. This machine is built to be just the right machine for a broad range of applications. Great machine performance combined with the low owning and operating costs makes the 980 GC the right choice for your business.

CAT® 980 GC

SIMPLE TO OPERATE AND BUILT TO LAST



WHEEL LOADERS MADE FOR MORE

The 980 GC is a simple, reliable machine that is durable, fuel competitive, and economical.

- + PROVEN RELIABLE COMPONENTS FOR GREAT PERFORMANCE
- + INTUITIVE CONTROLS AND SIMPLE USER INTERFACE FOR EASY OPERATION
- + THE RIGHT MACHINE FOR A BROAD RANGE OF APPLICATIONS AT REDUCED OWNING COSTS
- + EMISSIONS COMPLIANCE WITHOUT WORK INTERRUPTION

EASY TO OWN

Efficient fuel usage, outstanding productivity, and versatile machine capabilities ensure your tasks are completed effectively and economically.

SIMPLE OPERATION

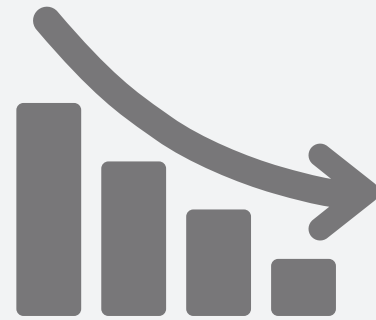
Intuitive controls, simple user interface, and clear visibility to the jobsite provide a comfortable working environment for efficient all day operation. Pilot-operated hydraulic implement controls help to deliver low-effort and multi-movement operation.

RELIABLE PERFORMANCE

Heavy-duty design, proven reliable components, and Cat Performance Series Buckets contribute to outstanding machine performance.

ECONOMICAL SAVINGS

THE 980 GC IS THE SENSIBLE CHOICE FOR YOUR BUSINESS.



LOWER OWNING COSTS





POWERTRAIN

POWERFUL EFFICIENCY

Staying ahead of the competition, Caterpillar offers a wide variety of cutting-edge technology and components that are specifically built to save time and reduce fuel costs.

ENGINE AND EMISSIONS

Powered by a Cat engine and certified to meet emission standards, these machines feature the Engine Idle Management System (EIMS) to minimize idle RPM and fuel consumption. Auto Idle Shutdown will shut down engine after a preset time.

TRANSMISSION

The Cat planetary powershift transmission is a proven design, made in-house, for high reliability and long service life.

CONTROL VALVES

The well-known Cat electronic clutch is a pressure-compensated, single-clutch shifting system that allows smooth, efficient gear changes in all operating situations.

DURABLE AXLES

Heavy-duty axles with outboard final drives feature hydraulically activated wet-disc brakes. Optional axle oil coolers (AOC) are available for high-energy applications. The optional limited slip differential (LSD) is automatically activated and increases traction in poor underfoot conditions.

ON-DEMAND FAN

Variable speed fan adjusts to meet the cooling requirements of the machine, lowering fuel consumption, noise levels, and radiator plugging. In very dusty conditions, an optional reversing fan reduces cleaning needs.

PRODUCTIVE RESULTS

WORK HARD AND MOVE MORE

PERFORMANCE SERIES BUCKETS

Easy-to-load Performance Series Buckets also improve material retention and reduce dig times. These buckets significantly improve productivity and fuel efficiency, resulting in unsurpassed production capabilities with increased bucket fill factors by up to 10% compared to legacy designs.

LOAD SENSING HYDRAULICS

Load sensing hydraulic system produces flow and pressure for the implement system only when needed, improving machine productivity and resulting in lower fuel consumption. An optional third hydraulic function is also available to control a variety of work tools.

Z-BAR LINKAGE

The proven Z-bar linkage with cast cross-member and tilt lever combines digging efficiency and high breakout forces for superior production capabilities.



RIDE CONTROL SYSTEM

The optional ride control system improves ride, performance, and load retention when traveling over rough terrain and at higher speeds, lowering cycle times and boosting productivity.

OPTIONAL VISIONLINK™

Track asset location, hours, fuel usage, diagnostic codes, and idle time to improve your productivity and lower your operating costs.

CAT PAYLOAD*

Cat Payload technology delivers precise bucket load information with on-the-go weighing, which helps prevent over or underloading. The low lift weigh and manual tip-off functions optimize the final bucket process and maximize efficiency.

*Not legal for trade.

CAT PAYLOAD FOR TRADE**

The Cat Payload for Trade option for Cat Advanced Payload allows you to integrate the scale data directly into your business processes. It is type approved by the International Organization of Legal Metrology, while retaining all the features of the standard version of Cat Advanced Payload.

**Available in Europe. Country certifications vary. Contact your Cat dealer for more information.

TESTED, PROVEN, AND READY TO WORK.

EASY SERVICEABILITY



SERVICE ACCESS

Convenient service points, one-piece tilting hood with swing-out radiator cores, and sight gauges allow for quick daily maintenance.

GREASE POINTS

Grease fittings for hard-to-reach pins are grouped conveniently for easy and quick preventive lubrication.

CATERPILLAR DESIGNED

Built on a long legacy of high performance and highly reliable wheel loaders, our machine components are designed and manufactured to Caterpillar quality standards.

RENOWNED SUPPORT

Your Cat dealer is always available to help you maximize machine uptime by providing global parts support, trained technicians, and Customer Value Agreements.

CAT AUTOLUBE SYSTEM

The optional Cat Autolube System has a simple one-button control and includes fault flash function.

OPERATOR ENVIRONMENT

COMFORTABLE CAB, INTUITIVE CONTROLS

A spacious cab features easy, intuitive controls that don't obstruct visibility, while also providing a comfortable work environment.



ENTRY AND EXIT

Ladders are standard on both sides of the machine for easy access to the cab from the left-hand side and to service points from the right-hand side. The operator station is equipped with handrails for cab accessibility.



DISPLAY AND INTERFACE

Simple to operate, the complete user interface has been designed as an intuitive system, allowing the operator to monitor machine health.



VISIBILITY AND SAFETY

Extended windows with wide, flat, and distortion-free front windshield combined with rearview mirrors with spot mirrors offer clear visibility to the jobsite. A rearview camera is standard, and a windshield guard option is available.



EASY CONTROLS

The pilot-operated hydraulic controls deliver comfortable, low-effort operation. Single axis levers or joystick are available, and the adjustable steering column includes a manual shifter. Both options are equipped with remote transmission kick-down switches.



CLIMATE CONTROLLER

Air conditioning and louvered vents let the operator direct air flow. The fresh air and recirculation cab air filters allow for superior filtration and easy cleaning.



COMFORTABLE SEAT

The comfort cloth mechanical suspension seat provides a variety of adjustments and flexible arm and headrest. An air suspension seat with high-back and heating option is also available.

SUPPORT ALL YOUR JOBSITE NEEDS

For specific applications, you need a wheel loader that is purpose built for the job. Cat work tools are engineered to handle all of your specific worksite needs.



FUSION™ QUICK COUPLER

The Fusion Quick Coupler System allows machines to use a wide range of tools that can each be picked up by machines of varying sizes. Fusion is designed to integrate the work tool and the machine by pulling the coupler and tool closer to the loader, increasing overall lift capability.

- + Improved machine performance
- + Unsurpassed durability
- + Good visibility



PERFORMANCE SERIES BUCKETS

Performance Series Buckets use a system-based approach to balance bucket shape with the machine's lift and tilt capacity, weight, and linkage. A variety of bucket styles match the machine to the application and material moved.

- + Fuel efficient
- + Lower operating costs
- + Higher productivity

Work Tool Attachments for All Support Functions on Your Jobsite

A variety of pin-on and coupler attachments are available for the 980 GC model. Cat work tools are durable, reliable, and designed for performance and efficiency with your Cat wheel loader.



TECHNICAL SPECIFICATIONS

See cat.com for complete specifications.

ENGINE		
Engine Model	Cat® C13	
Engine Power @ 1,700 rpm – ISO 14396	313 kW	420 hp
ISO 14396 (DIN)	426 hp (metric)	
Gross Power @ 1,700 rpm – SAE J1995	317 kW	425 hp
Net Power @ 1,700 rpm – ISO 9249, SAE J1349	293 kW	393 hp
ISO 9249 (DIN)	398 hp (metric)	
Engine Torque @ 1,200 rpm – ISO 14396	2185 N·m	1,612 lbf-ft
Gross Torque @ 1,200 rpm – SAE J1995	2206 N·m	1,627 lbf-ft
Net Torque @ 1,100 rpm – ISO 9249, SAE J1349, EEC 80/1269	2086 N·m	1,539 lbf-ft
Bore	130 mm	5.12 in
Stroke	157 mm	6.18 in
Displacement	12.5 L	763 in³

- Cat engine meets U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, China Nonroad Stage IV and Japan 2014 emission standards.
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner, and aftertreatment.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to:
 - 20% biodiesel FAME (fatty acid methyl ester)***
 - 100% renewable diesel, HVO (hydrogenated 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.

*While Caterpillar engines are compatible with these alternative fuels, some regions may not allow their use.

** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

*** Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).

WEIGHTS		
Operating Weight	29 760 kg	65,610 lb

- Weight based on a machine configuration with standard ambient cooling, open differential axles, Maxam MS405 L4 tires, standard counterweight, full fluids, operator and 5.5 m³ (7.2 yd³) bucket with BOCE.

SOUND		
Operator Sound Pressure Level (ISO 6396:2008)	74 dB(A)	
Exterior Sound Power Level (ISO 6395:2008)	112 dB(A)	
Operator Sound Pressure Level (ISO 6396:2008)*	74 dB(A)	
Exterior Sound Power Level (ISO 6395:2008)**	109 dB(A)	

*Including countries that adopt the EU and UK Directives

**EU Noise Directive 2000/14/EC and UK Noise Regulation 2001 No. 1701

BUCKET CAPACITIES		
Bucket Range	4.3-5.8 m³	5.75-7.5 yd³

OPERATING SPECIFICATIONS			
Static Tipping Load – Full 40° Turn – with Tire Deflection	19 251 kg	42,441 lb	
Static Tipping Load – Full 40° Turn – No Tire Deflection	20 452 kg	45,089 lb	
Breakout Force	212 kN	47,660 lbf	

- For a machine configuration as defined under "Weight."
- Full compliance to ISO 14397-1:2007 Sections 1 through 6, which requires 2% verification between calculations and testing.

TRANSMISSION					
Forward 1	6.6 km/h	4.1 mph	Reverse 1	7.6 km/h	4.7 mph
Forward 2	12.7 km/h	7.9 mph	Reverse 2	14.5 km/h	9.0 mph
Forward 3	22.5 km/h	14.0 mph	Reverse 3	25.7 km/h	16.0 mph
Forward 4	39.8 km/h	24.7 mph	Reverse 4	39.8 km/h	24.7 mph

- Maximum travel speed in standard vehicle with empty bucket and standard L4 tires with 913 mm (36 in) roll radius.

SERVICE REFILL CAPACITIES		
Fuel Tank	426 L	112.5 gal
Diesel Exhaust Fluid (DEF) Tank	21 L	5.6 gal
Cooling System	52 L	13.7 gal
Crankcase	37 L	9.8 gal
Transmission	77 L	20.3 gal
Differentials and Final Drives – Front	84 L	22.2 gal
Differentials and Final Drives – Rear	84 L	22.2 gal
Hydraulic Tank	153 L	40.4 gal

HYDRAULIC SYSTEM		
Implement Pump Type	Variable Displacement Piston, Load Sensing	
Implement System		
Maximum Flow @ 2,250 rpm	415 L/min	110 gal/min
Maximum Operating Pressure	28 200 kPa	4,090 psi
Maximum Flow 3rd Function	250 L/min	66 gal/min
Maximum Operating Pressure 3rd Function	20 680 kPa	3,000 psi
Hydraulic Cycle Time		
Raise from Carry Position	5.3 seconds	
Dump at Maximum Raise	1.7 seconds	
Lower, Empty, Float Down	3.1 seconds	
Total Cycle Time	10.1 seconds	

AIR CONDITIONING SYSTEM	
The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction for identification of the gas.	
*If equipped with R134a (Global Warming Potential = 1430), the system contains 1.5 kg of refrigerant which has a CO ₂ equivalent 2,145 metric tonnes (2,365 tons).	
*If equipped with R1234yf (Global Warming Potential = .501) the system contains 1476 g of refrigerant which has a CO ₂ equivalent of .001 metric tonnes.	

STANDARD & OPTIONAL EQUIPMENT

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

OPERATOR ENVIRONMENT	STANDARD	OPTIONAL
Air conditioning (HVAC) with 10 vents and filter unit located outside of cab	●	
Bucket/work tool function lockout	●	
Cab, pressurized and sound suppressed	●	
Camera, rearview	●	
CB radio ready		●
Computerized monitoring system	●	
Mirrors, rearview external	●	
Pilot hydraulic controls, lift and tilt function; two (2) single axis levers or joystick	●	
12V power port (10A)	●	
Radio ready	●	
Radio: DAB+/AM/FM/BT		●
Rollover protective structure/falling objects protective structure (ROPS/FOPS)	●	
Seat, Cat Comfort (cloth), mechanical suspension	●	
Seat, high-back, air suspended		●
Seat, air suspended, heated		●
Steering column, adjustable angle	●	
Steering, secondary, electrical*		●
Switch, transmission neutralizer (adjustable) lockout	●	
Window, sliding (left and right sides)	●	
Wipers/washers (front and rear)	●	
POWERTRAIN	STANDARD	OPTIONAL
Axles, Open/Open differentials	●	
Axles, limited slip differential(s)		●
Axles, oil cooler		●
Brakes, full hydraulic enclosed wet-disc	●	
Cat C13 engine	●	
Engine Idle Management System (EIMS)	●	
Auto Idle Shutdown (AIS)	●	
Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, on demand	●	
Fan, reversing automatic and manual control		●
Filter, fuel primary/secondary	●	
Fuel priming pump (electric)	●	
Fuel/water separator	●	
Radiator, unit core (9 fpi) with ATAAC	●	
Torque converter	●	
Transmission, powershift (4F/4R), automatic (2-4) with kick-down 2-1 manual	●	
LINKAGE	STANDARD	OPTIONAL
Quick coupler control		●
Lift and bucket return-to-dig kickouts (electro-magnetic), mechanical adjustment	●	
Z-bar, cast tilt lever	●	

HYDRAULICS	STANDARD	OPTIONAL
Dedicated brake and fan pump	●	
Dedicated load sensing steering pump	●	
Load sensing implement system pilot operated	●	
Ride control		●
S-O-S SM oil sampling valves	●	
3 rd function with additional dedicated single axis lever		●
ELECTRICAL	STANDARD	OPTIONAL
Alarm, back-up variable	●	
Alternator (115-amp, brush type)	●	
Batteries, maintenance free (2×1,400 CCA)	●	
Ignition key; start/stop	●	
Lighting system: 4 halogen work lights, cab mounted	●	
Lighting system: 8 halogen work lights, cab mounted		●
Lighting system: 4 or 8 LED work lights, cab mounted		●
Lights: LED taillights	●	
Lights: warning beacon		●
Main disconnect switch	●	
Rooding lights with high/low beam and F and R turn signals	●	
Starter, electric (heavy duty)	●	
Starting and charging system, 24V	●	
ADDITIONAL EQUIPMENT	STANDARD	OPTIONAL
Autolube system		●
Camera, front view		●
Cat Payload		●
Cat Payload for Trade**		●
Cold weather starting		●
Fender rear extensions or rooding		●
Hood, engine enclosure tilting	●	
Powertrain guard		●
Precleaner, strata tubes with screen		●
Product Link™ ready	●	
Reverse Strobes		●
Steering cylinder guard		●
Tilt cylinder guard		●
Tires, choice of L3, L4 or L5		●
Tires, radial or bias ply	●	
Toolbox		●
Variable backup alarm (3dB above ambient noise)	●	
Windshield guard		●

* Standard where mandated

** Available in Europe. Country certifications vary. Contact your Cat dealer for more information.

For additional information, refer to the Technical Specifications brochure for the 980 GC model available at www.cat.com or your Cat dealer.



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基準適合

For more complete information on Cat products, dealer services and industry solutions, visit us on the web at www.cat.com

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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www.cat.com www.caterpillar.com

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