

950 GC

WHEEL LOADER



Engine Maximum Power
Operating Weight

180 kW (241 hp)
19 069 kg (42,040 lb)

Meets U.S. EPA Tier 4 Final, either EU Stage V or EU Stage IV* emissions standards. Meets Japan Small Volume Exemption.
*Stage IV engines comply with the transition provisions of the EU nonroad emission regulation



The Cat® 950 GC Wheel Loader is designed specifically to handle all the jobs on your worksite from material handling and truck loading to general construction and stockpiling. This machine is purpose built to be just the right machine to get your everyday jobs done. Great machine performance combined with the low owning and operating costs makes the 950 GC the right choice for your business.

CAT® 950 GC

PURPOSE BUILT



WHEEL LOADERS MADE FOR MORE

Cat wheel loaders were built with efficiency in mind, offering you the best in:

- + RELIABILITY
- + DURABILITY
- + PRODUCTIVITY
- + FUEL EFFICIENCY

Experience higher performance while reducing costs and fuel consumption with Cat wheel loaders.

POWERFUL EFFICIENCY

Low fuel consumption and exceptional production capabilities help you get the job done right for less.

PRODUCTIVE RESULTS

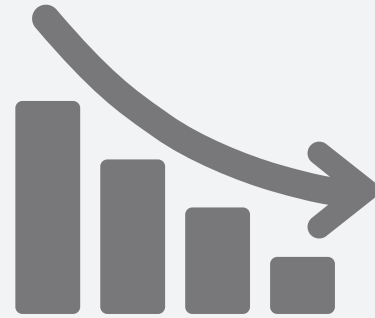
Purpose built to handle all your jobsite requirements from material handling and truck loading to general construction and stockpiling.

EASY SERVICEABILITY

Our electrical and hydraulic service centers with additional key serviceability features make machine maintenance and in-field components quick, easy, and efficient.

ECONOMICAL SAVINGS

**THE 950 GC IS THE
SENSIBLE CHOICE
FOR YOUR BUSINESS.**



LOWER **OWNING** **COSTS**

**OPERATING
FUEL**





POWER TRAIN

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 Engine Idle Management System (EIMS) and Auto Idle Shutdown (AIS) to minimize fuel consumption.

TRANSMISSION

The power-shift countershaft transmission features high contact ratio gears and heat-treated gears complemented by heavy duty bearings for transmission durability, fuel efficiency, and low noise and vibration levels during operation.

CONTROL VALVES

The proven Cat Electronic Long Range Transmission (ELRT) control valve allows full-power shifts and directional shift changes. The modulated shifts ensure a smooth ride, fast cycles, and extended component life.

DURABLE AXLES

Heavy-duty axles with inboard-planetary drives feature hydraulically activated wet-disc brakes. Limited-slip differentials are available for applications requiring increased traction.

ON-DEMAND FAN

Variable speed fan adjusts to meet the cooling requirements of the machine, lowering fuel consumption, noise levels, and radiator plugging. In frigid operating conditions, an optional fan drive bypass valve allows the system to warm and match operating temperatures.

PRODUCTIVE RESULTS

WORK SMART AND MOVE MORE

PRODUCT LINK™

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

Z-BAR LINKAGE

The proven Z-bar linkage combines digging efficiency with sharp visibility, resulting in excellent excavation, high breakout forces, and 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.



PERFORMANCE SERIES BUCKETS

Easy-to-load Performance Series Buckets improve material retention and reduce dig times, significantly improving productivity and fuel efficiency, resulting in unsurpassed production capabilities with increased fill factors – ranging from 100% to 115%.

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 single axis hydraulic function is also available to control a variety of work tools.

CAT PAYLOAD KIT

Track productivity from the cab with quick access to information such as truck target weights, loads, and totals.

- + PROVEN ACCURACY
- + FLEXIBLE INSTALLATION
- + EASY CALIBRATION AND SETUP
- + SIMPLE INSTALLATION: COMPARABLE TO THIRD PARTY PAYLOAD SYSTEMS

TESTED, PROVEN, AND READY TO WORK.

EASY SERVICEABILITY



SERVICE CENTERS

Hydraulic and electrical service centers provide ground level access to numerous maintenance and service points, enhancing safety and convenience for operators and service technicians.

GREASE POINTS

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

CAT AUTOLUBE SYSTEM

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

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 support agreements.

OPERATOR ENVIRONMENT

COMFORTABLE CAB, INTUITIVE CONTROLS

A comfortable operating environment and intuitive controls help to reduce the stresses of a demanding job.



ENTRY AND EXIT

Ladders are standard on both sides for easy platform access. Platforms are equipped with guardrails and handrails for cab safety and accessibility.



DISPLAY AND INTERFACE

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



GREATER VISIBILITY

Extended windows with wide, flat, and distortion-free front windshield offer unmatched visibility, while spot mirrors and rear vision camera extend the driver's view all around. Optional windshield guard 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 and turn signal lever.



CLIMATE CONTROLLER

Air conditioning and louvered vents let the operator direct air flow, and 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 with an air suspension seat option and flexible arm and headrest.

SUPPORT ALL YOUR JOBSITE FUNCTIONS

For demanding 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
- + Increased 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 work tools and bucket styles allow for advanced machine customization and easy loading.

- + 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 950 GC applications. 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 Mode	Cat C7.1	
Maximum Power @ 1,700 rpm – SAE J1995	180 kW	241 hp
Maximum Power @ 1,700 rpm – ISO 14396:2002	179 kW	240 hp
Maximum Power @ 1,700 rpm – ISO 14396:2002 (metric)	243 hp	
Maximum Net Power @ 1,700 rpm – SAE J1349	168 kW	225 hp
Maximum Net Power @ 1,700 rpm – ISO 9249:2007	168 kW	225 hp
Maximum Net Power @ 1,700 rpm – ISO 9249:2007 (metric)	228 hp	
Maximum Gross Torque (1,400 rpm) – SAE J1995	1099 N·m	811 lbf·ft
Peak Gross Torque (1,400 rpm) – ISO 14396:2002	1092 N·m	805 lbf·ft
Maximum Net Torque (1,100 rpm) – SAE J1349	1041 N·m	768 lbf·ft
Maximum Net Torque (1,400 rpm) – ISO 9249:2007	1041 N·m	768 lbf·ft
Bore	105 mm	4.13 in
Stroke	135 mm	5.31 in
Displacement	7.01 L	428 in ³

- Cat engine meets Tier 4 Final, either Stage V or Stage IV* emission standards. Meets Japan Small Volume Exemption.
- *Stage IV engines comply with the transition provisions of the EU nonroad emission regulation.
- The power ratings apply at the stated speed when tested under the reference conditions for the specified standards.
- Net power available at the flywheel when the engine is equipped with fan, air cleaner, aftertreatment, and alternator with engine speed at 1,700 rpm.
- The gross power advertised is with the fan at maximum speed.

WEIGHTS		
Operating Weight	19 069 kg	42,040 lb

- Weight and static tipping loads and operating weights shown are based on a machine configuration with Maxam 23.5R25 tires, full fluids, operator, standard counterweight, standard ambient arrangement, limited slip differential axles (front/rear), loading fenders, ride control and a 3.1 m³ (4.0 yd³) general purpose bucket with BOCE.

OPERATING SPECIFICATIONS		
Static Tipping Load – Full 38° Turn ISO 14397-1:2007 – with Tire Deflection*	11 160 kg	24,604 lb
Static Tipping Load – Full 38° Turn – No Tire Deflection**	11 906 kg	26,248 lb
Breakout Force	154 kN	34,638 lbf

- For a machine configuration as defined under "Weights."
*(With Tire Deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.
**(No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

TRANSMISSION					
Forward 1	7.3 km/h	4.5 mph	Reverse 1	7.3 km/h	4.5 mph
Forward 2	12.8 km/h	8.0 mph	Reverse 2	12.8 km/h	8.0 mph
Forward 3	22.8 km/h	14.2 mph	Reverse 3	22.8 km/h	14.2 mph
Forward 4	36.0 km/h	22.4 mph			

- Maximum travel speeds (23.5-25 tires).
- Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 760 mm (30 in) roll radius.

TIRES*	
Choices include:	
23.5R25 L3 ** from Triangle and Maxam	
23.5R25 L3 * from Bridgestone	
23.5R25 L2 * from Bridgestone	
23.5R25 L5 ** from Triangle, Maxam, and Bridgestone	

*Tire offerings vary by region. Consult your local Cat dealer for further details.

SERVICE REFILL CAPACITIES		
Fuel Tank	290 L	76.6 gal
DEF Tank	16 L	4.2 gal
Cooling System	50 L	13.2 gal
Crankcase	18 L	4.8 gal
Transmission	45 L	11.9 gal
Differentials and Final Drives – Front	40 L	10.6 gal
Differentials and Final Drives – Rear	38 L	10.0 gal
Hydraulic Tank	112 L	29.6 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 1.9 kg (4.2 lb) of refrigerant which has a CO ₂ equivalent 2.717 metric tonnes (2.995 tons).

HYDRAULIC SYSTEM		
Implement System Pump Type	Piston	
Steering System Pump Type	Piston	
Implement System – Maximum Pump Output at 2,390 rpm	256 L/min	68 gal/min
Implement System – Maximum Operating Pressure at 50 ± 1.5 L/min	27 900 kPa	4,047 psi
Implement System – Optional 3rd Function Maximum Pressure at 70 L/min (18.5 gal/min)	20 680 kPa	2,999 psi
Implement System – Optional 3rd Function Maximum Flow	240 L/min	63 gal/min
Hydraulic Cycle Time – Raise from Carry Position	5.4 Seconds	
Hydraulic Cycle Time – Dump at Maximum Raise	1.2 Seconds	
Hydraulic Cycle Time – Lower, Empty, Float Down	2.8 Seconds	
Hydraulic Cycle Time – Total Cycle Time	9.4 Seconds	

SOUND	
The sound values indicated below are for specific operating conditions only. Machine and operator sound levels will vary at different engine and/or cooling fan speeds. Hearing protection may be needed when the machine is operated with a cabin that is not properly maintained, or when the doors and/or windows are open for extended periods or in a noisy environment.	
With Cooling Fan Speed at Maximum Value:	
Operator Sound Pressure Level (ISO 6396:2008)	75 dB(A)
Exterior Sound Power Level (ISO 6395:2008)	109 dB(A)
Exterior Sound Pressure Level (SAE J88:2013)	76 dB(A)*
With Cooling Fan Speed at 70% of Maximum Value:**	
Operator Sound Pressure Level (ISO 6396:2008)	73 dB(A)
Exterior Sound Power Level	107 dB(A)***

*Distance of 15 m (49.2 ft), moving forward in second gear ratio.

**For machines in countries that adopt the "EU Directives."

***European Union Directives "2000/14/EC" as amended by "2005/88/EC."

CAB	
ROPS/FOPS	ROPS/FOPS meet ISO 3471:2008 and ISO 3449:2005 Level II standards

BRAKES	
Brakes	Brakes meet ISO 3450:2011 standards

STANDARD & OPTIONAL EQUIPMENT

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

OPERATOR ENVIRONMENT	STANDARD	OPTIONAL
Cab, pressurized and sound suppressed	•	
Doors, service access (locking)	•	
Steering column, adjustable angle	•	
Steering, secondary, electrical		•
Seat, Cat Comfort (cloth), suspension	•	
Seat, air suspended		•
Radio		•
Radio ready	•	
Mirrors, rear view external	•	
Air conditioning (HVAC) with 10 vents and filter unit located outside of cab	•	
Windows, sliding (left and right sides)	•	
POWER TRAIN	STANDARD	OPTIONAL
Cat C7.1 engine, meets emission standards	•	
Filter, fuel primary-water separator/secondary	•	
Radiator, unit core (9.5 fpi) with ATAAC	•	
Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, on demand	•	
Fan, reversing cooling, automatic and manual control		•
Guard		•
Torque converter	•	
Brakes, full hydraulic enclosed wet-disc	•	
HYDRAULICS	STANDARD	OPTIONAL
Load sensing implement system	•	
Dedicated load sensing steering pump	•	
Ride control		•
3 rd function with additional dedicated single axis lever		•
Hoses, Cat XT™	•	
S•O•S SM oil sampling valves	•	

ELECTRICAL	STANDARD	OPTIONAL
Starter, electric, heavy duty	•	
Starting and charging system, 24V	•	
Lighting system: 4 halogen work lights, 2 halogen roading lights	•	
Lights: 4 LED or 8 LED work lights		•
MONITORING SYSTEM	STANDARD	OPTIONAL
Digital indicators: Gear indicator Speedometer Service meter units Fault codes	•	
Gauges: Engine coolant temperatures/fluid level Hydraulic/transmission oil temperature Tachometer/DEF level	•	
ADDITIONAL EQUIPMENT	STANDARD	OPTIONAL
Cat Autolube		•
Fenders, roading		•
Storage/toolbox		•
Windshield guard		•
LINKAGE	STANDARD	OPTIONAL
Lift and bucket return-to-dig kickouts (electro-magnetic), mechanical adjustment	•	
Quick coupler control		•
Z-bar, fabricated crosstube/tilt lever	•	

Not all features are available in all regions. Please check with your local Cat dealer for specific offering availability in your area.

For additional information, refer to the Technical Specifications brochures for the 950 GC model available at www.cat.com or your Cat dealer.



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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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