

950 GC

WHEEL LOADER



Engine Maximum Power
Operating Weight

151 kW (202 hp)
18 392 kg (40,547 lb)

Meets Brazil MAR-1, India Bharat Stage III, and China Nonroad Stage III emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.



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.

ECONOMICAL SAVINGS

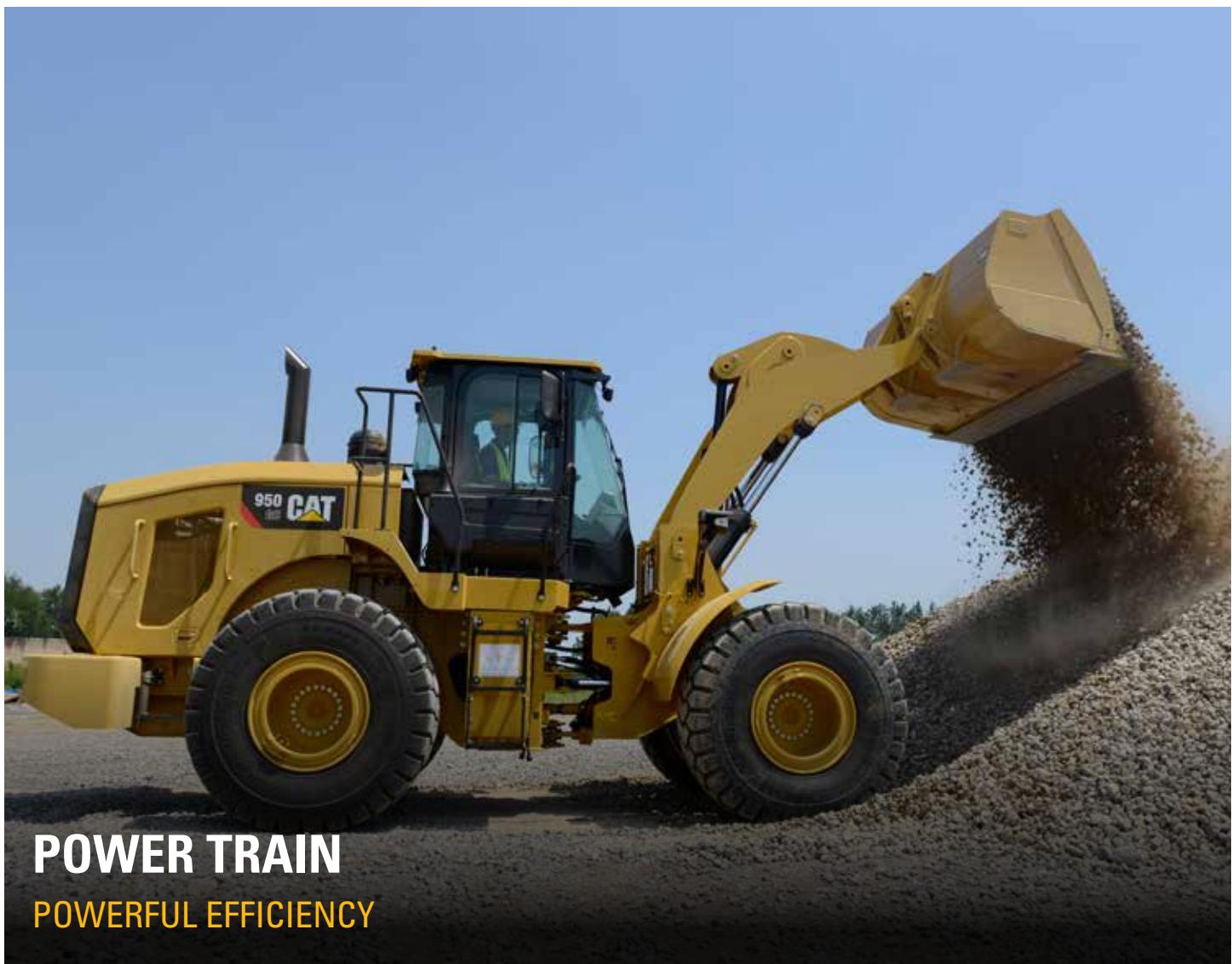
THE 950 GC IS THE
SENSIBLE CHOICE
FOR YOUR BUSINESS.



LOWER COSTS

OWNING
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) to minimize fuel consumption.

TRANSMISSION

The power-shift countershaft transmission features high contact ratio 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 final 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 very dusty conditions, an optional reversing fan reduces radiator plugging and reduces cleaning needs.

PRODUCTIVE RESULTS

WORK SMART AND MOVE MORE

PRODUCT LINK™

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



Z-BAR LINKAGE

The proven Z-bar linkage combines digging efficiency, high breakout forces, and superior production capabilities.

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 – ranging from 100% to 110%.

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.

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.

CAT PRODUCTION MEASUREMENT (CPM) KIT (Optional)*

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

*Not legal for trade

TESTED, PROVEN, AND READY TO WORK.
EASY SERVICEABILITY



SERVICE CENTERS

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

GREASE POINTS

Grease fittings for hard-to-reach pins 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.

REOWNED SUPPORT

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

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.

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 of the machine for easy access to the cab from the left-hand side and 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.



GREATER VISIBILITY

Extended windows with wide, flat, and distortion-free front windshield and spot mirrors offer excellent visibility. A rearview camera option and windshield guard option are 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.



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 adjustable arm and headrest. An air suspension seat option is 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 950 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 C7.1
Rated Net Power @ 2,200 rpm – ISO 9249	151 kW	202 hp
Rated Gross Power @ 2,200 rpm – ISO 14396	168 kW	225 hp
Max Gross Power @ 2,000 rpm – ISO 14396	170 kW	228 hp
Max Gross Torque @ 1,400 rpm	1020 N·m	752 lbf·ft
Max Net Torque @ 1,300 rpm	931 N·m	687 lbf·ft
Bore	105 mm	4.13 in
Stroke	135 mm	5.31 in
Displacement	7.01 L	428 in ³

- Cat engine with ACERT Technology emits equivalent to Tier 3.
- The power ratings apply at the stated speed when tested under the reference conditions for the specified standards.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, and air cleaner.
- The gross power advertised is with the fan at maximum speed.

WEIGHTS		
Operating Weight	18 392 kg	40,547 lb
• Weight and static tipping loads and operating weights shown are based on a machine configuration with Triangle 23.5R25 tires, full fluids, operator, standard counterweight, standard ambient arrangement, open differential axles (front/rear), roading fenders, ride control and a 3.1 m ³ (4.0 yd ³) general purpose bucket with BOCE.		
Static Tipping Load – Full 38° Turn ISO 14397-1:2007 – with Tire Deflection*	10 942 kg	24,123 lb
Static Tipping Load – Full 38° Turn – No Tire Deflection**	12 577 kg	27,728 lb
Breakout Force	154 kN	34,623 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	7.0 km/h	4.3 mph	Reverse 1	7.0 km/h	4.3 mph
Forward 2	12.5 km/h	7.8 mph	Reverse 2	12.5 km/h	7.8 mph
Forward 3	22.0 km/h	13.7 mph	Reverse 3	22.0 km/h	13.7 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:		
23.5-25 16PR, L3 (Triangle)		
23.5R25 ★, L3 (Triangle and Maxam)		
23.5R25 ★, L3 (Bridgestone)		
23.5R25, L5 (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
Cooling System	48 L	12.7 gal
Crankcase	20 L	5.3 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	120 L	31.7 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 2,200 rpm	248 L/min	66 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	280 L/min	74 gal/min
Hydraulic Cycle Time – Raise from Carry Position	6.1 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	10.1 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)	108 dB(A)	
With Cooling Fan Speed at 70% of Maximum Value:*		
Operator Sound Pressure Level (ISO 6396:2008)	75 dB(A)	
Exterior Sound Power Level	106 L _{WA} **	
*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	ELECTRICAL	STANDARD	OPTIONAL
Air conditioning (HVAC) with 10 vents and filter unit located outside of cab	●		Alarm, back-up/main disconnect switch	●	
Bucket/work tool function lockout	●		Alternator (115-amp, brush type)	●	
Cab, pressurized and sound suppressed	●		Batteries, maintenance free (2x900 CCA)	●	
Camera, rearview		●	Ignition key; start/stop switch	●	
Coat hook	●		Lighting system: 4 halogen work lights	●	
Computerized monitoring system	●		Lighting system: 8 halogen work lights		●
Cup holders and personal tray on right console	●		Lighting system: 4 LED work lights		●
Doors, service access (locking)	●		Lights: warning beacon		●
Heater and defroster	●		Roading lights with high/low beam and F and R turn signals		●
Horn	●		Starter, electric (heavy duty)	●	
Mirrors, rearview internal and external	●		Starting and charging system, 24V	●	
Pilot hydraulic controls, lift and tilt function; two (2) single axis levers or joystick	●				
12V power port (10A)	●				
Radio installation, complete		●			
ROPS/FOPS structure	●				
Seat, Cat Comfort (cloth), mechanical suspension	●				
Seat, air suspended		●			
Steering column, adjustable angle	●				
Steering, secondary, electrical		●			
Storage tray behind seat	●				
Window, sliding (left and right sides)	●				
Wipers/washers (front and rear)	●				
POWER TRAIN	STANDARD	OPTIONAL	MONITORING SYSTEM	STANDARD	OPTIONAL
Brakes, full hydraulic enclosed wet-disc	●		Digital indicators: Gear indicator Speedometer Service meter units Fault codes		
Cat C7.1 Tier 3 equivalent	●		Gauges: Engine coolant temperatures/fluid level Hydraulic/transmission oil temperature Tachometer/DEF level		
EIMS (Engine Idle Management System)	●				
Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, on demand	●				
Fan, reversing cooling, automatic and manual control		●			
Filter, fuel primary/secondary/tertiary	●				
Filters, engine air, primary/secondary	●				
Fuel priming pump (manual)	●				
Fuel/water separator	●				
Muffler, sound suppressed	●				
Radiator, unit core (9.5 fpi) with ATAAC	●				
Starting aid, glow plugs	●				
Switch, transmission neutralizer lockout	●				
Torque converter	●				
Transmission, automatic, power shift (4F/3R), kick-down function, overspeed protection	●				
HYDRAULICS	STANDARD	OPTIONAL	ADDITIONAL EQUIPMENT	STANDARD	OPTIONAL
Dedicated brake and fan gear pump	●		Autolube system		●
Dedicated load sensing steering pump	●		Cold weather starting (batteries 2x1,400 CCA and ether starting aid)		●
Load sensing implement system pilot operated	●		Counterweight, 1800 kg	●	
Quick coupler control		●	Differentials, limited slip		●
Ride control		●	Fenders (front and rear) steel	●	
S•O•S SM oil sampling valves	●		Fender extensions or roading		●
3 rd function with additional dedicated single axis lever		●	Grill, airborne debris	●	
LINKAGE	STANDARD	OPTIONAL	Toolbox		
Fusion quick coupler control		●	Hitch, drawbar with pin	●	
Lift and bucket return-to-dig kickouts (electro-magnetic), mechanical adjustment		●	Hood, non-metallic on steel structure	●	
Z-bar, fabricated crosstube/tilt lever		●	L3 bias or radial tires	●	

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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2019 Product Update

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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