



Cat[®] 950 GC

Wheel Loader

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

Meets U.S. EPA Tier 4 Final and EU Stage IV emission standards.

Ease of Operation

- The spacious cab features easy, intuitive controls and excellent visibility. The cab provides a comfortable working environment for efficient all day operation.
- Pilot-operated hydraulic implement controls deliver comfortable, low-effort operation. Two single axis levers or one joystick are available. Both arrangements are equipped with kick-down switches. The adjustable steering column includes the F-N-R shifter and turn signal control lever.
- The dashboard display contains six (6) analog-like gauges, several colored indicator lights and an LCD screen. This intuitive system allows you to monitor the machine systems.
- Standard rearview camera, manual air-conditioning system, comfortable suspended cloth seat and wide opening access door are a few more features that help you to be efficient all day.

Reliability/Serviceability

- Cat C7.1 ACERT™ engine offers increased power density with a combination of proven electronic, fuel and air systems.
- Utilizing rigorous component design and machine validation processes results in unmatched reliability, durability and high uptime.
- Components used to build Cat Wheel Loaders are designed and manufactured to Caterpillar quality standards throughout all Caterpillar facilities. The 950 GC is built on a long legacy of high performance and highly reliable wheel loaders.
- The 950 GC is easy to maintain with grouped service points and sight gauges for easy daily maintenance. Convenient access to left, right and rear of engine compartment for excellent serviceability and a rear swing-up grill give easy cleaning access to the cooling cores.

Performance/Efficiency

- Cat C7.1 ACERT engine is designed for maximum fuel efficiency and increased power density, while meeting Tier 4 Final/Stage IV emission standards. This unit does not have the Cat Regeneration System on it. It uses a passive only system.
- Engine Idle Management System (EIMS) and Auto Engine Idle Shutdown (EIS) maximizes fuel efficiency by reducing engine rpm after a specified amount of idle time.
- Load sensing hydraulics produce flow and pressure for the implement system upon demand and only in amounts necessary to perform the needed work functions. This state of the art system results in low fuel consumption.
- The proven Cat Z-bar linkage geometry with Performance Series buckets offer excellent penetration into the pile and high breakout forces. Combined with best-in-class standard dump clearance, this results in low fuel consumption and exceptional production capabilities.
- Electronically controlled, hydraulically driven variable speed fan adjusts to meet the varying cooling requirements of the machine. This results in a reduced average fan speed lowering fuel consumption, noise levels and radiator plugging.
- Cat designed, electronically controlled, automatic powershift countershaft transmission features shift protection and is equipped with a split flow oil system for added efficiency, durability and smoother gear changes.
- Optional Fusion™ quick-coupler control features a selectable kick-out to adjust for efficient bucket and fork applications.



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Engine

Engine Model	Cat C7.1 ACERT	
Max Power @ 1,700 rpm – SAE J1995	180 kW	241 hp
Max Power @ 1,700 rpm – ISO 14396	179 kW	240 hp
Max Power @ 1,700 rpm – ISO 14396 (metric)	243 hp	
Max Net Power @ 1,700 rpm – SAE J1349	168 kW	225 hp
Max Net Power @ 1,700 rpm – ISO 9249	168 kW	225 hp
Max Net Power @ 1,700 rpm – ISO 9249 (metric)	228 hp	
Peak Gross Torque (1,400 rpm) – SAE J1995	1099 N·m	811 lbf·ft
Peak Gross Torque (1,400 rpm) – ISO 14396	1092 N·m	805 lbf·ft
Bore	105 mm	4.13 in
Stroke	135 mm	5.31 in
Displacement	7.01 L	428 in ³

- 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 CO₂ equivalent of 2.717 metric tonnes (2.995 tons).

Weights and Operating Specifications

Operating Weight	18 849 kg	41,554 lb
Tipping Load – Full Turn		
ISO 14397-1*	11 006 kg	24,264 lb
Rigid Tires**	11 737 kg	25,875 lb
Breakout Force	154 kN	34,638 lbf

- For 3.1 m³ (4.0 yd³) general purpose buckets with BOCE. Weight based on a machine configuration with MAXAM MS302 23.5R25 L3 radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link™, secondary steering, sound suppression.

*Full compliance to ISO (2007) 14397-1 Sections 1 thru 6, which requires 2% verification between calculations and testing.

**Compliance to ISO (2007) 14397-1 Sections 1 thru 5.

Sound

With Cooling Fan Speed at Maximum Value:

Operator Sound Pressure Level (ISO 6396:2008)	73 dB(A)
Exterior Sound Power Level (ISO 6395:2008)	109 dB(A)
Exterior Sound Pressure Level (SAE J88:2013)	76 dB(A)*

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

With Cooling Fan Speed at 70% of Maximum Value:**

Operator Sound Pressure Level (ISO 6396:2008)	73 dB(A)
Exterior Sound Power Level (ISO 6395:2008)	107 L _{WA} ***

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

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

Transmission

Forward 1	7.3 km/h	4.5 mph
Forward 2	12.8 km/h	8 mph
Forward 3	22.8 km/h	14.2 mph
Forward 4	36 km/h	22.4 mph
Reverse 1	7.3 km/h	4.5 mph
Reverse 2	12.8 km/h	8 mph
Reverse 3	22.8 km/h	14.2 mph

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

Service Refill Capacities

Fuel Tank Size	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 gal
Hydraulic Tank	112 L	29.6 gal

Hydraulic System

Steering System Pump Type	Piston	
Implement System		
Maximum Pump Output @ 2,390 rpm	256 L/min	68 gal/min
Maximum Operating Pressure @ 50 ± 1.5 L/min (13.2 + 0.4 gal/min)	27 900 kPa	4,047 psi
Hydraulic Cycle Time – Total Cycle Time	9.4 Seconds	

Dimensions

Height to Top of Hood	2673 mm	8'9"
Height to Top of Exhaust Pipe	3416 mm	11'2"
Height to Top of ROPS	3458 mm	11'4"
Ground Clearance	460 mm	1'6"
B-Pin Height	4188 mm	13'9"
Center Line of Rear Axle to Edge of Counterweight	2055 mm	6'9"
Wheelbase	3300 mm	10'10"
Center Line of Rear Axle to Hitch	1650 mm	5'5"
Rack Back @ Maximum Lift	60 degrees	
Rack Back @ Carry	45 degrees	
Rack Back @ Ground	40 degrees	
Lift Arm Clearance	3649 mm	12'0"

- All dimensions are approximate and based on MAXAM MS302 23.5R25 L3 radial tires.

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