



950 GC

Wheel Loader

Technical Specifications

Engine

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

- Cat engine with ACERT™ Technology – meets U.S. EPA Tier 4 Final, either EU Stage V or EU 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.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner and aftertreatment.
- The gross power advertised is with the fan at maximum speed.

Weights

Operating Weight	19 069 kg	42,040 lb
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- 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), roading 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 (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
Forward 2	12.8 km/h	8.0 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	8.0 mph
Reverse 3	22.8 km/h	14.2 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.

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



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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 CO₂ 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

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.

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
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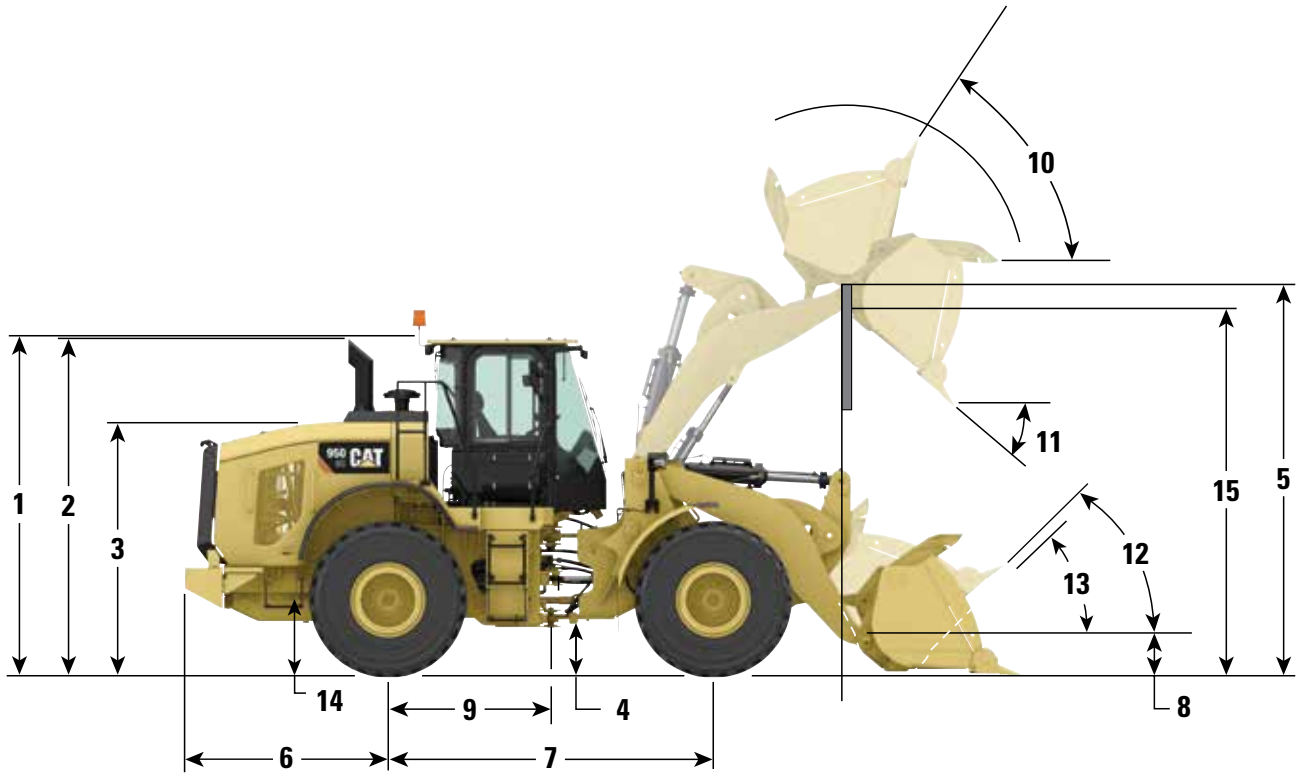
Brakes

Brakes	Brakes meet ISO 3450:2011 standards
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950 GC Wheel Loader Specifications

Dimensions

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



1 Height to Top of ROPS	3458 mm	11'4"
2 Height to Top of Exhaust Pipe	3416 mm	11'2"
3 Height to Top of Hood	2673 mm	8'9"
4 Ground Clearance	460 mm	1'6"
5 B-Pin Height	4188 mm	13'9"
6 Center Line of Rear Axle to Edge of Counterweight	2055 mm	6'9"
7 Wheelbase	3300 mm	10'10"
8 B-Pin Height at Carry	655 mm	2'2"
9 Center Line of Rear Axle to Hitch	1650 mm	5'5"
10 Rack Back at Maximum Lift	60 degrees	
11 Dump Angle at Maximum Lift	52 degrees	
12 Rack Back at Carry	45 degrees	
13 Rack Back at Ground	40 degrees	
14 Height to Center Line of Axle	750 mm	2'6"
15 Lift Arm Clearance	3649 mm	12'0"

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Turning Radius

All dimensions are approximate and based on 23.5R25 Maxam MS302 L3 tires.

Turning Radius to Outside of Tires	6164 mm	20'3"
Turning Radius to Inside of Tires	3419 mm	11'3"
Width Over Tires	2840 mm	9'4"
Turning Radius to Outside Edge of Counterweight	6196 mm	20'4"

Tire Options*

Tire Brand	Maxam	Triangle	Bridgestone	Maxam	Triangle	Bridgestone	Bridgestone
Tire Size	23.5R25	23.5R25	23.5R25	23.5R25	23.5R25	23.5R25	23.5R25
Tread Type	L5	L5	L5	L3	L3	L3	L2
Tread Pattern	MS503	TL538S+	VSDT	MS302	TB516	VJT	VUT
Width over Tires – Maximum (unloaded)**	2775 mm 9'1"	2819 mm 9'3"	2821 mm 9'3"	2820 mm 9'3"	2830 mm 9'3"	2811 mm 9'3"	2811 mm 9'3"
Width over Tires – Maximum (loaded)**	2805 mm 9'2"	2827 mm 9'3"	2839 mm 9'4"	2840 mm 9'4"	2833 mm 9'4"	2836 mm 9'4"	2812 mm 9'3"
Change in Vertical Dimensions (average of front and rear)	51 mm 2.01"	48 mm 1.89"	44 mm 1.73"	0 mm 0"	-14 mm -0.6"	-9 mm -0.4"	6 mm 0.2"
Change in Horizontal Reach	-18.5 mm -0.73"	-22.5 mm -0.89"	-15.5 mm -0.61"	0 mm 0"	1.5 mm 0.1"	14.5 mm 0.6"	14.5 mm 0.6"
Change in Clearance Circle to Outside of Tires	-19.0 mm -0.75"	-8.0 mm -0.31"	-2.0 mm -0.08"	0 mm 0"	-3.8 mm -0.1"	-2.1 mm -0.1"	-14 mm -0.6"
Change in Clearance Circle to Inside of Tires	19.0 mm 0.75"	8.0 mm 0.31"	2.0 mm 0.08"	0 mm 0"	4 mm 0.2"	2.1 mm 0.1"	14 mm 0.6"
Change in Operating Weight (without Ballast)	472 kg 1041 lb	420 kg 926 lb	568 kg 1252 lb	0 kg 0 lb	-12 kg -26 lb	0 kg 0 lb	120 kg 265 lb

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

**Width over tire bulge and includes tire growth.

Changes Specific to the 950 GC*

Tire Brand	Maxam	Triangle	Bridgestone	Bridgestone
Tire Size	23.5R25	23.5R25	23.5R25	23.5R25
Tread Type	L3	L3	L3	L2
Tread Pattern	MS302	TB516	VJT	VUT
Change in Static Tipping Load – Straight	0 kg 0 lb	-8 kg -17.6 lb	0 kg 0 lb	79 kg 174 lb
Change in Static Tipping Load – Articulated	0 kg 0 lb	-7 kg -15.4 lb	0 kg 0 lb	70 kg 154 lb

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

Note: Reference tire used for 'change' dimensions: Maxam MS302.

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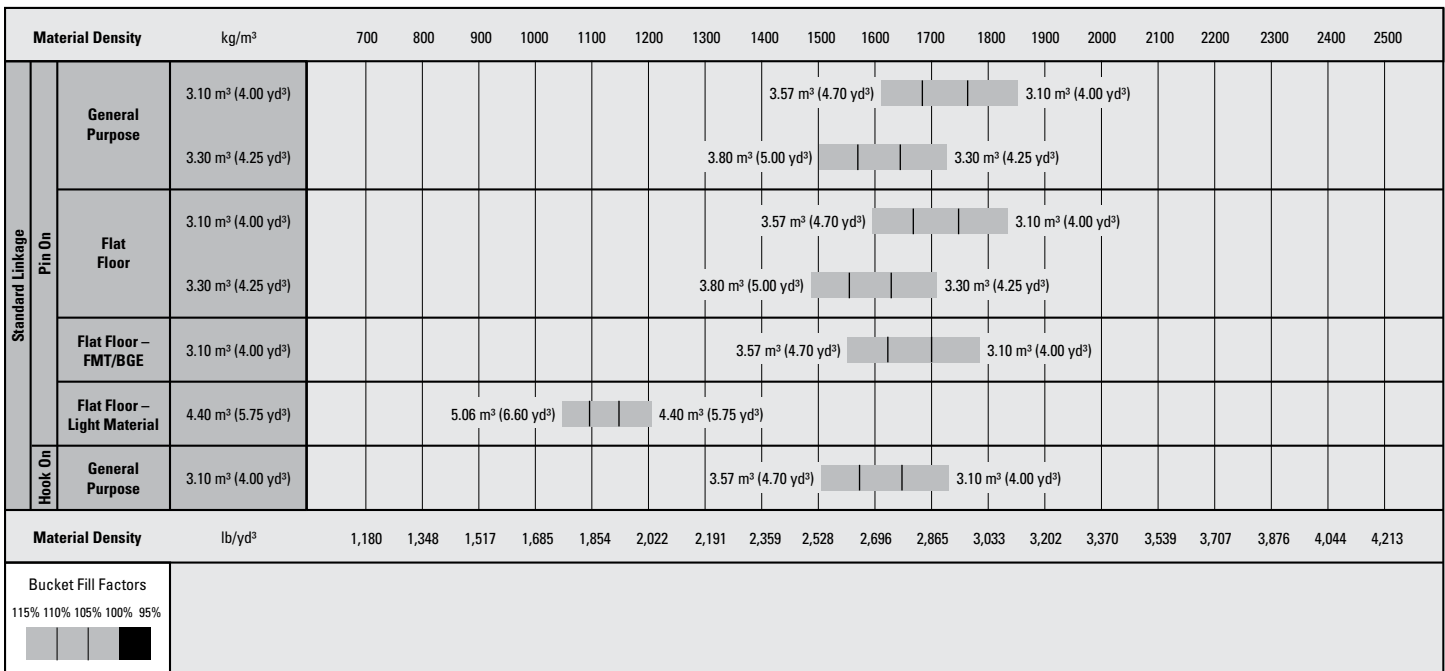
Bucket Fill Factors and Selection Chart

The bucket size must be chosen based on the density of the material and on the expected fill factor. The Cat Performance Series Buckets with longer floor, larger bucket opening, increased repository angle, rounded side boards and integrated spill guard, demonstrate fill factors significantly higher than previous generation or non Cat buckets. The actual volume handled by the machine is thus often larger than the rated capacity.

Loose Material		Material Density	Fill Factor (%)*
Earth/Clay		1500-1700 kg/m ³ (2,528-2,865 lb/yd ³)	115
Sand and Gravel		1500-1700 kg/m ³ (2,528-2,865 lb/yd ³)	115
Aggregate:	25-76 mm (1 to 3 in)	1600-1700 kg/m ³ (2,696-2,865 lb/yd ³)	110
	19 mm (0.75 in) and smaller	1800 kg/m ³ (3,033 lb/yd ³)	105
Rock:	76 mm (3 in) and larger	1600 kg/m ³ (2,696 lb/yd ³)	100

*As a % of ISO 7546 rated capacity.

Note: Fill Factors achieved will also depend on whether the product is washed or not washed.



Note: All buckets are showing Bolt-On Edges unless otherwise noted.

FMT/BGE = Flush Mounted Back Grading Edge

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Operating Specifications

Bucket Type		General Purpose – Pin On					
		Bolt-On Cutting Edges	Teeth and Segments	Teeth	Bolt-On Cutting Edges	Teeth and Segments	Teeth
Edge Type							
Capacity – Rated	m ³	3.10	3.10	2.90	3.30	3.30	3.10
	yd ³	4.00	4.00	3.75	4.25	4.25	4.00
Capacity – 110% Rated	m ³	3.40	3.40	3.20	3.60	3.60	3.40
	yd ³	4.50	4.50	4.25	4.75	4.75	4.50
Width	mm	2927	2994	2994	2927	2994	2994
	ft/in	9'7"	9'10"	9'10"	9'7"	9'10"	9'10"
Dump Clearance at Maximum Lift and 45° Discharge	mm	3050	2933	2933	3012	2894	2894
	ft/in	10'0"	9'8"	9'8"	9'11"	9'6"	9'6"
Reach at Maximum Lift and 45° Discharge	mm	1261	1372	1372	1292	1402	1402
	ft/in	4'2"	4'6"	4'6"	4'3"	4'7"	4'7"
Reach at Level Lift Arm and Bucket Level	mm	2719	2880	2880	2769	2930	2930
	ft/in	8'11"	9'5"	9'5"	9'1"	9'7"	9'7"
Digging Depth	mm	86	86	56	86	86	56
	in	3.39"	3.39"	2.2"	3.39"	3.39"	2.2"
Overall Length	mm	8292	8466	8466	8342	8516	8516
	ft/in	27'3"	27'9"	27'9"	27'4"	27'11"	27'11"
Overall Height with Bucket at Maximum Lift	mm	5642	5642	5642	5690	5690	5690
	ft/in	18'6"	18'6"	18'6"	18'8"	18'8"	18'8"
Loader Clearance Circle with Bucket at Carry Position	mm	13 819	13 984	13 984	13 847	14 013	14 013
	ft/in	45'4"	45'11"	45'11"	45'5"	46'0"	46'0"
Static Tipping Load, Straight (With Tire Deflection)*	kg	12 555	12 416	12 744	12 469	12 330	12 650
	lb	27,679	27,373	28,095	27,489	27,182	27,888
Static Tipping Load, Straight (No Tire Deflection)*	kg	13 378	13 238	13 577	13 294	13 154	13 485
	lb	29,493	29,184	29,932	29,309	28,999	29,728
Static Tipping Load, Articulated (With Tire Deflection)*	kg	11 006	10 867	11 179	10 925	10 786	11 091
	lb	24,264	23,959	24,646	24,085	23,778	24,452
Static Tipping Load, Articulated (No Tire Deflection)*	kg	11 737	11 597	11 919	11 658	11 517	11 833
	lb	25,875	25,567	26,277	25,701	25,391	26,086
Breakout Force	kN	154	153	168	148	147	160
	lbf	34,638	34,380	37,666	33,238	32,981	36,033
Operating Weight*	kg	18 849	18 957	18 800	18 890	18 998	18 841
	lb	41,554	41,792	41,446	41,644	41,882	41,536

*Static tipping loads and operating weights shown are based on a machine configuration with Maxam MS302 23.5R25 tires, full fluids, operator, standard counterweight, standard ambient arrangement, limited slip differential axles (front/rear), roading fenders, ride control.

(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.

Bucket and work tool offerings vary by region. Consult your local Cat dealer for further details.

950 GC Wheel Loader Specifications

Operating Specifications

Bucket Type		Flat Floor – Pin On					
		Bolt-On Cutting Edges	Teeth and Segments	Teeth	Bolt-On Cutting Edges	Teeth and Segments	Teeth
Edge Type							
Capacity – Rated	m ³	3.10	3.10	2.90	3.30	3.30	3.10
	yd ³	4.00	4.00	3.75	4.25	4.25	4.00
Capacity – 110% Rated	m ³	3.40	3.40	3.20	3.60	3.60	3.40
	yd ³	4.50	4.50	4.25	4.75	4.75	4.50
Width	mm	2927	2994	2994	2927	2994	2994
	ft/in	9'7"	9'10"	9'10"	9'7"	9'10"	9'10"
Dump Clearance at Maximum Lift and 45° Discharge	mm	2981	2856	2856	2943	2817	2817
	ft/in	9'9"	9'4"	9'4"	9'8"	9'3"	9'3"
Reach at Maximum Lift and 45° Discharge	mm	1178	1281	1281	1217	1319	1319
	ft/in	3'10"	4'2"	4'2"	4'0"	4'4"	4'4"
Reach at Level Lift Arm and Bucket Level	mm	2729	2890	2890	2784	2945	2945
	ft/in	8'11"	9'6"	9'6"	9'2"	9'8"	9'8"
Digging Depth	mm	86	86	56	86	86	56
	in	3.39"	3.39"	2.2"	3.39"	3.39"	2.2"
Overall Length	mm	8302	8476	8476	8357	8531	8531
	ft/in	27'3"	27'10"	27'10"	27'5"	28'0"	28'0"
Overall Height with Bucket at Maximum Lift	mm	5643	5643	5643	5692	5692	5692
	ft/in	18'6"	18'6"	18'6"	18'8"	18'8"	18'8"
Loader Clearance Circle with Bucket at Carry Position	mm	13 824	13 990	13 990	13 855	14 022	14 022
	ft/in	45'4"	45'11"	45'11"	45'6"	46'0"	46'0"
Static Tipping Load, Straight (With Tire Deflection)*	kg	12 438	12 301	12 616	12 347	12 208	12 524
	lb	27,421	27,118	27,814	27,220	26,915	27,611
Static Tipping Load, Straight (No Tire Deflection)*	kg	13 246	13 107	13 432	13 158	13 018	13 343
	lb	29,202	28,896	29,612	29,007	28,699	29,416
Static Tipping Load, Articulated (With Tire Deflection)*	kg	10 902	10 764	11 066	10 816	10 678	10 979
	lb	24,035	23,731	24,395	23,845	23,540	24,204
Static Tipping Load, Articulated (No Tire Deflection)*	kg	11 619	11 481	11 791	11 536	11 396	11 706
	lb	25,616	25,310	25,994	25,432	25,124	25,808
Breakout Force	kN	153	152	166	146	145	158
	lbf	34,341	34,084	37,319	32,834	32,578	35,565
Operating Weight*	kg	18 862	18 970	18 813	18 904	19 012	18 855
	lb	41,583	41,821	41,475	41,675	41,913	41,567

*Static tipping loads and operating weights shown are based on a machine configuration with Maxam MS302 23.5R25 tires, full fluids, operator, standard counterweight, standard ambient arrangement, limited slip differential axles (front/rear), roading fenders, ride control.

(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.

Bucket and work tool offerings vary by region. Consult your local Cat dealer for further details.

950 GC Wheel Loader Specifications

Operating Specifications

Bucket Type		Flat Floor – Pin On	Flat Floor – Light Material – Pin On	General Purpose – Hook On		
		Flush Mounted Back Grading Edge	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Teeth and Segments	Teeth
Capacity – Rated	m ³	3.10	4.40	3.10	3.10	2.90
	yd ³	4.00	5.75	4.00	4.00	3.75
Capacity – 110% Rated	m ³	3.40	4.80	3.40	3.40	3.20
	yd ³	4.50	6.25	4.50	4.50	4.25
Width	mm	2994	3059	2927	2994	2994
	ft/in	9'10"	10'0"	9'7"	9'10"	9'10"
Dump Clearance at Maximum Lift and 45° Discharge	mm	2815	2782	3008	2891	2891
	ft/in	9'3"	9'2"	9'10"	9'6"	9'6"
Reach at Maximum Lift and 45° Discharge	mm	1364	1355	1297	1409	1409
	ft/in	4'6"	4'5"	4'3"	4'8"	4'8"
Reach at Level Lift Arm and Bucket Level	mm	2977	2995	2774	2935	2935
	ft/in	9'9"	9'10"	9'1"	9'8"	9'8"
Digging Depth	mm	59	102	94	94	64
	in	2.32"	4.02"	3.7"	3.7"	2.52"
Overall Length	mm	8541	8581	8353	8527	8527
	ft/in	28'0"	28'2"	27'5"	28'0"	28'0"
Overall Height with Bucket at Maximum Lift	mm	5692	5910	5662	5662	5662
	ft/in	18'8"	19'5"	18'7"	18'7"	18'7"
Loader Clearance Circle with Bucket at Carry Position	mm	14 018	14 109	13 849	14 017	14 017
	ft/in	46'0"	46'4"	45'5"	46'0"	46'0"
Static Tipping Load, Straight (With Tire Deflection)*	kg	12 152	11 671	11 813	11 675	11 992
	lb	26,790	25,730	26,042	25,738	26,438
Static Tipping Load, Straight (No Tire Deflection)*	kg	12 965	12 489	12 621	12 482	12 810
	lb	28,584	27,534	27,824	27,517	28,241
Static Tipping Load, Articulated (With Tire Deflection)*	kg	10 609	10 167	10 287	10 149	10 452
	lb	23,389	22,413	22,679	22,375	23,042
Static Tipping Load, Articulated (No Tire Deflection)*	kg	11 331	10 892	11 005	10 865	11 178
	lb	24,981	24,013	24,262	23,954	24,643
Breakout Force	kN	155	123	146	145	159
	lbf	34,757	27,648	32,926	32,667	35,683
Operating Weight*	kg	19 179	19 338	19 478	19 586	19 429
	lb	42,281	42,632	42,941	43,179	42,833

*Static tipping loads and operating weights shown are based on a machine configuration with Maxam MS302 23.5R25 tires, full fluids, operator, standard counterweight, standard ambient arrangement, limited slip differential axles (front/rear), roading fenders, ride control.

(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.

Bucket and work tool offerings vary by region. Consult your local Cat dealer for further details.

950 GC Wheel Loader Standard and Optional Equipment

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
POWER TRAIN			OPERATOR ENVIRONMENT		
Brakes, full hydraulic enclosed wet-disc	✓		Air conditioning (HVAC) with 10 vents and filter unit located outside of cab	✓	
Differential, limited slip		✓	Beverage holders and personal tray on right console	✓	
EIS (Engine Idle Management System)	✓		Bucket/work tool function lockout	✓	
EIS (Auto Idle Shutdown)	✓		Cab, pressurized and sound suppressed	✓	
Engine, Cat C7.1 – Tier 4 Final/Stage V	✓		Coat hook	✓	
Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, on demand	✓		Digital indicators:	✓	
Fan, reversing cooling, automatic and manual control		✓	Gear indicator		
Filter, fuel primary-water separator/secondary	✓		Speedometer		
Guards		✓	Service meter units		
Radiator, unit core (9.5 fpi) with ATAAC	✓		Fault codes		
Starting aid, glow plugs	✓		Doors, service access (locking)	✓	
Switch, transmission neutralizer lockout	✓		Gauges:	✓	
Torque converter	✓		Engine coolant temperatures/fluid level		
Transmission, automatic, power shift (4F/3R), kick-down function, overspeed protection	✓		Hydraulic/transmission oil temperature		
			Tachometer/DEF level		
			Heater and defroster	✓	
			Horn	✓	
			Hydroformed (ROPS/FOPS) structure	✓	
			Mirrors, rearview external	✓	
			Monitoring system, computerized	✓	
			Pilot hydraulic controls, lift and tilt function	✓	
			Power port, 12V (10A)	✓	
			Radio		✓
			Radio ready	✓	
			Rear vision camera and display	✓	

(continued on next page)

950 GC Wheel Loader Standard and Optional Equipment

Standard and Optional Equipment (continued)

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

	Standard	Optional		Standard	Optional
OPERATOR ENVIRONMENT (continued)			LINKAGE		
Seat, Cat Comfort (cloth), suspension	✓		Lift and bucket return-to-dig kick-outs (electro-magnetic), mechanical adjustment	✓	
Seat belt	✓		Quick coupler control		✓
Seat, air suspended		✓	Z-bar, cast crosstube/tilt lever	✓	
Steering column, adjustable angle	✓		STARTERS, BATTERIES, AND ALTERNATORS		
Steering, secondary, electrical		✓	Cold weather starting, jacket water heater, electric and ether starting aid		✓
Storage tray behind seat	✓		TIRES, RIMS, AND WHEELS		
Sun visor, rear		✓	Tires are available from Triangle, Maxam and Bridgestone	✓	
Warning indicators:	✓		Offerings vary by region. Consult your local Cat dealer for further details.	✓	
Air inlet heater			OTHER STANDARD AND OPTIONAL EQUIPMENT		
Electrical malfunction			Cat Autolube		✓
Engine inlet manifold temperature			Converter, high capacity, 12V/15A		✓
Engine oil pressure, fuel level			Couplings, Cat O-ring face seal	✓	
Fuel pressure high/low			Counterweight	✓	
Hydraulic oil level, parking brake			Diagnostic pressure taps	✓	
Primary steering oil pressure			Fender, front, steel	✓	
Service brake oil pressure			Fenders, roading		✓
Action light, engine malfunction			Grill, airborne debris	✓	
Transmission filter bypass			Hitch, drawbar with pin	✓	
Wipers/washers, front and rear	✓		Hood, wing doors	✓	
Window, sliding (left and right sides)	✓		Product Link™ ready	✓	
ELECTRICAL AND LIGHTING			Sight gauges: engine coolant, hydraulic oil, and transmission oil level	✓	
Alarm, back-up/main disconnect switch	✓		Storage/toolbox		✓
Alternator, 145-amp brushed	✓		Windshield guard		✓
Batteries (2), maintenance free	✓				
Ignition key: start/stop switch	✓				
4 LED or 8 LED work lights		✓			
Lighting system: four halogen work lights, two halogen roading lights	✓				
Starter, electric, heavy duty	✓				
Starting and charging system (24V)	✓				
Warning beacon		✓			
FLUIDS					
Premixed extended life coolant with freeze protection to -34°C (-29°F)	✓				
HYDRAULICS					
Dedicated load sensing steering pump	✓				
Dedicated brake and fan gear pump	✓				
Hoses, Cat XT™	✓				
Load sensing implement system pilot operated	✓				
S•O•S SM oil sampling valves	✓				
3 rd function with additional dedicated single axis lever		✓			
Ride control		✓			



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