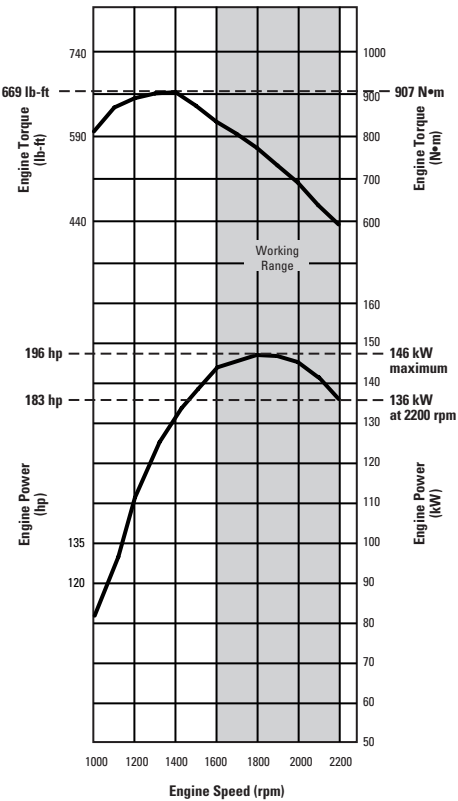


950G Series II Wheel Loader

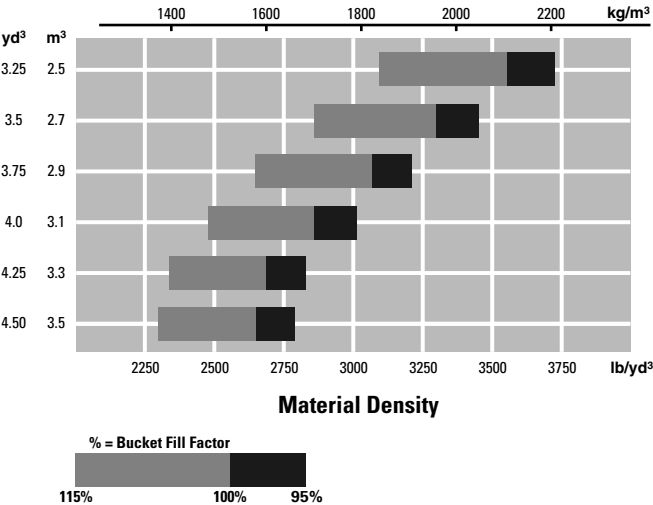


950G Series II Wheel Loader

Operation Specifications

		General Purpose Buckets								
		Bolt-on edges	Teeth and segments	Teeth	Bolt-on edges	Teeth and segments	Teeth	Bolt-on edges	Teeth and segments	Teeth
Rated capacity	m³	2.7	2.7	2.5	2.9	2.9	2.7	3.1	3.1	2.9
	yd³	3.53	3.53	3.27	3.80	3.80	3.53	4.05	4.05	3.80
Struck capacity	m³	2.26	2.26	2.11	2.45	2.45	2.3	2.65	2.65	2.49
	yd³	2.96	2.96	2.76	3.20	3.20	3.01	3.47	3.47	3.26
Width	mm	2927	2994	2994	2927	2994	2994	2927	2994	2994
	ft/in	9'7"	9'10"	9'10"	9'7"	9'10"	9'10"	9'7"	9'10"	9'10"
Dump clearance at full lift and 45° discharge	mm	2974	2873	2873	2926	2824	2824	2922	2819	2819
	ft/in	9'10"	9'5"	9'5"	9'7"	9'4"	9'4"	9'7"	9'2"	9'2"
Reach at full lift and 45° discharge	mm	1182	1282	1282	1215	1315	1315	1202	1300	1300
	ft/in	3'11"	4'2"	4'2"	4'0"	4'4"	4'4"	3'11"	4'4"	4'4"
Reach with lift arms horizontal and bucket level	mm	2433	2575	2575	2493	2635	2635	2488	2630	2630
	ft/in	8'0"	8'5"	8'5"	8'2"	8'8"	8'8"	8'2"	8'8"	8'8"
Digging depth	mm	92	92	62	92	92	62	92	92	62
	in	3.6"	3.6"	2.4"	3.6"	3.6"	2.4"	3.6"	3.6"	2.4"
Overall length	mm	7913	8066	8066	7973	8126	8126	7968	8121	8121
	in	311.5"	317.5"	317.5"	313.9"	319.9"	319.9"	313.7"	319.7"	319.7"
Overall height with bucket at full raise	mm	5329	5329	5329	5386	5386	5386	5443	5443	5443
	ft/in	17'6"	17'6"	17'6"	17'8"	17'8"	17'8"	17'11"	17'11"	17'11"
Turning radius – outside corner of racked bucket, carry position	mm	7002	7075	7075	7017	7090	7090	7016	7089	7089
	ft/in	23'0"	23'3"	23'3"	23'0"	23'3"	23'3"	23'0"	23'3"	23'3"
Static tipping load, straight*	kg	12 298	12 198	12 498	12 180	12 079	12 375	12 064	11 963	12 256
	lb	27,112	26,891	27,553	26,852	26,850	27,282	26,596	26,373	27,019
Static tipping load, articulated at full 40° turn*	kg	10 840	10 740	11 023	10 728	10 628	10 908	10 619	10 560	10 795
	lb	23,898	23,677	24,301	23,651	23,430	24,047	23,410	23,280	23,798
Breakout force	kN	163.2	162.6	179.4	154.2	153.6	168.7	154.2	153.5	168.7
	lb	36,689	36,554	40,331	34,666	34,531	37,925	34,666	34,508	37,925
Operating weight*	kg	17 674	17 769	17 604	17 728	17 823	17 658	17 780	17 875	17 710
	lb	38,964	39,173	38,810	39,083	39,292	38,929	39,198	39,407	39,043

Bucket Selection Guide



950G Series II Wheel Loader

						Material Handling Buckets					
Bolt-on edges	Teeth and segments	Teeth	Bolt-on edges	Teeth and segments	Teeth	Bolt-on edges	Teeth and segments	Teeth	Bolt-on edges	Teeth and segments	Teeth
3.3 4.32	3.3 4.32	3.1 4.05	3.5 4.58	3.5 4.58	3.3 4.32	3.1 4.05	3.1 4.05	2.9 3.80	3.3 4.32	3.3 4.32	3.1 4.05
2.82 3.69	2.82 3.69	2.66 3.48	2.98 3.90	2.98 3.90	2.81 3.67	2.66 3.48	2.66 3.48	2.5 3.27	2.83 3.70	2.83 3.70	2.67 3.49
2927 9'7"	2994 9'10"	2994 9'10"	2946 9'8"	2946 9'8"	2896 9'6"	2927 9'7"	2994 9'10"	2994 9'10"	2927 9'7"	2994 9'10"	2994 9'10"
2917 9'7"	2814 9'2"	2814 9'2"	2812 9'2"	2708 8'10"	2708 8'10"	2870 9'5"	2760 9'0"	2760 9'0"	2835 9'4"	2725 8'11"	2725 8'11"
1195 3'11"	1292 4'2"	1292 4'2"	1308 4'4"	1406 4'7"	1406 4'7"	1123 3'8"	1214 4'0"	1214 4'0"	1158 3'10"	1249 4'0"	1249 4'0"
2488 8'2"	2630 8'8"	2630 8'8"	2643 8'8"	2786 9'2"	2786 9'2"	2488 8'2"	2630 8'8"	2630 8'8"	2538 8'4"	2680 8'10"	2680 8'10"
92 3.6"	92 3.6"	62 2.4"	92 3.6"	92 3.6"	62 2.4"	92 3.6"	92 3.6"	62 2.4"	92 3.6"	92 3.6"	62 2.4"
7968 313.7"	8121 319.7"	8121 319.7"	8123 319.8"	8277 325.8"	8277 325.8"	7968 313.7"	8121 319.7"	8121 319.7"	8018 315.7"	8171 321.7"	8171 321.7"
5491 18'0"	5491 18'0"	5491 18'0"	5379 17'7"	5379 17'7"	5379 17'7"	5391 17'8"	5391 17'8"	5391 17'8"	5436 17'10"	5436 17'10"	5436 17'10"
7016 23'0"	7089 23'3"	7089 23'3"	7066 23'2"	7109 23'4"	7086 23'3"	7016 23'0"	7089 23'3"	7089 23'3"	7029 23'0"	7102 23'4"	7102 23'4"
11 954 26,354	11 853 26,131	12 140 26,764	12 169 26,828	12 214 26,927	12 231 26,964	12 392 27,319	12 290 27,094	12 593 27,762	12 289 27,092	12 187 26,867	12 487 27,529
10 514 23,179	10 413 22,956	10 685 23,556	10 736 23,668	10 763 23,728	10 797 23,803	10 922 24,078	10 820 23,853	11 106 24,484	10 825 23,865	10 723 23,640	11 007 24,266
153.4 34,486	152.6 34,306	167.8 37,723	138.0 31,024	137.4 30,889	149.5 33,609	154.8 34,800	154.1 34,643	169.4 38,083	147.8 33,228	147.1 33,069	161.2 36,239
17 845 39,341	17 940 39,550	17 775 39,187	17 651 38,913	17 746 39,123	17 581 38,759	17 668 38,951	17 763 39,160	17 598 38,796	17 709 39,041	17 804 39,251	17 639 38,887

950G Series II Wheel Loader

Operation Specifications

		Material Handling Buckets			Rock Bucket		Refuse Bucket	Quick Coupler Buckets			High Lift Delta
		Bolt-on edges	Teeth and segments	Teeth	Bolt-on edges	Bottom Strap Teeth	Bolt-on edges	Bolt-on edges	Teeth and segments	Teeth	
Rated capacity	m ³	3.5	3.5	3.3	2.9	2.9	5.2	3.1	3.1	2.9	
	yd ³	4.58	4.58	4.32	3.80	3.80	6.80	4.05	4.05	3.80	
Struck capacity	m ³	3.0	3.0	2.84	2.45	2.44	4.62	2.7	2.7	2.5	
	yd ³	3.92	3.92	3.71	3.20	3.19	6.04	3.35	3.53	3.27	
Width	mm	2927	2994	2994	2984	2969	3073	2896	2896	2896	
	ft/in	9'7"	9'10"	9'10"	9'10"	9'8"	10'0"	9'6"	9'6"	9'6"	
Dump clearance at full lift and 45° discharge	mm	2800	2690	2690	2871	2712	2716	2784	2680	2680	498
	ft/in	9'1"	8'10"	8'10"	9'5"	8'11"	8'11"	9'1"	8'10"	8'10"	19.6"
Reach at full lift and 45° discharge	mm	1194	1284	1284	1297	1425	1278	1357	1456	1456	3
	ft/in	3'11"	4'2"	4'2"	4'2"	4'8"	4'1"	4'6"	4'10"	4'10"	0.1"
Reach with lift arms horizontal and bucket level	mm	2588	2730	2730	2588	2789	2707	2697	2839	2839	366
	ft/in	8'6"	8'11"	8'11"	8'6"	9'2"	8'11"	8'10"	9'4"	9'4"	14.4"
Digging depth	mm	92	92	62	92	62	92	92	92	62	(10)
	in	3.6"	3.6"	2.4"	3.6"	2.4"	3.6"	3.6"	3.6"	2.4"	(0.4")
Overall length	mm	8068	8221	8221	8068	8300	8187	8176	8330	8330	476
	in	317.6"	323.6"	323.6"	317.6"	326.8"	322.3"	321.9"	327.9"	327.9"	18.7"
Overall height with bucket at full raise	mm	5482	5482	5482	5391	5391	6005	5398	5398	5398	498
	ft/in	18'0"	18'0"	18'0"	17'8"	17'8"	19'8"	17'8"	17'8"	17'8"	19.6"
Turning radius – outside corner of racked bucket, carry position	mm	7042	7116	7116	7068	7130	7141	7056	7100	7100	209
	ft/in	23'1"	23'4"	23'4"	23'2"	23'5"	23'5"	23'2"	23'4"	23'4"	8.2"
Static tipping load, straight*	kg	12 186	12 083	12 380	12 064	12 201	12 278	11 658	11 553	11 716	(1059)
	lb	26,865	26,638	27,293	26,596	26,898	27,068	25,701	25,469	25,829	(2335)
Static tipping load, articulated at full 40° turn*	kg	10 728	10 625	10 906	10 593	10 726	10 723	10 260	10 155	10 318	(851)
	lb	23,651	23,424	24,043	23,353	23,646	23,640	22,619	22,387	22,747	(1876)
Breakout force	kN	141.4	140.7	153.6	141.2	148.9	126.3	131.7	131.8	141.4	(6)
	lb	31,788	31,631	34,531	31,743	33,474	28,393	29,607	29,630	31,788	(1349)
Operating weight*	kg	17 751	17 846	17 681	17 982	17 899	18 659	17 900	17 995	17 830	857
	lb	39,134	39,343	38,979	39,643	39,460	41,136	39,462	39,672	39,308	1889

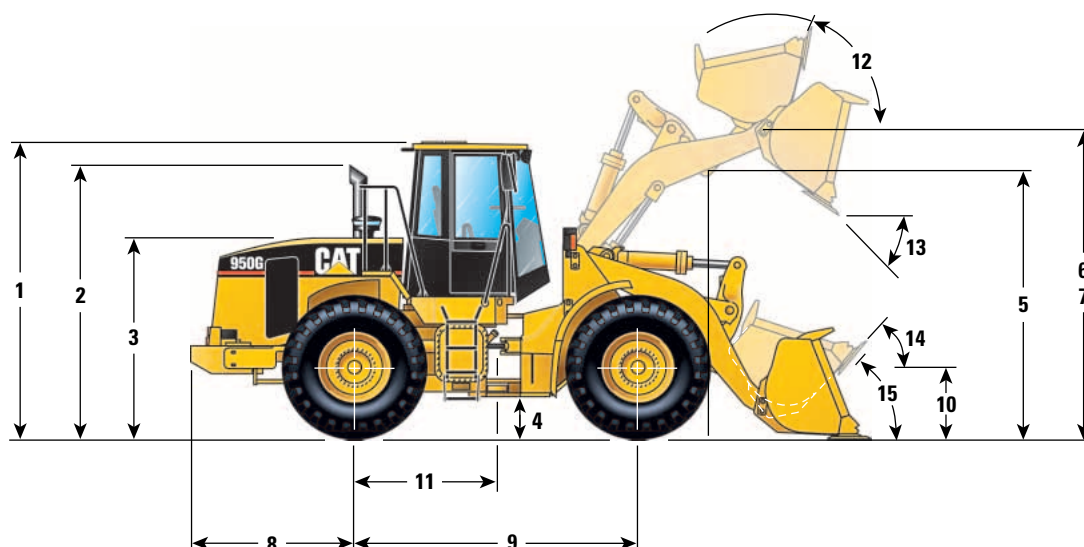
* Static tipping loads and operating weights are based on standard machine configuration (with standard 23.5-R25 L3 tire), full fuel tank, 80 kg operator, plus air conditioning, power train and crankcase guards and ride control attachment.

Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standards J732C governing loader ratings.

950G Series II Wheel Loader

Dimensions

All dimensions are approximate.



1	Height to top of ROPS	3401 mm	11'2"
2	Height to top of exhaust pipe	3149 mm	10'4"
3	Height to top of hood	2282 mm	7'6"
4	Ground clearance/ Standard tire 23.5-R25 (L-3) See Chart below for other tires	412 mm	1'4"
5	Lift arm clearance @ maximum lift	3764 mm	12'4"
6	B-Pin height	3992 mm	13'1"
7	Optional high lift	4490 mm	14'9"

8	Center line of rear axle to edge of counterweight	1913 mm	6'3"
9	Wheelbase	3350 mm	11'0"
10	Height to center line of axle	744 mm	2'5"
11	Center line of rear axle to hitch	1675 mm	5'6"
12	Rack back @ maximum lift	59°	
13	Dump angle @ maximum lift	48°	
14	Rack back @ carry	45°	
15	Rack back @ ground	39°	

Tires

Tread width for all tires is 2140 mm (84")

		Width over tires		Change in vertical dimensions		Change in operating weight without ballast		Change in static tipping load – straight	
		mm	inches	mm	inches	kg	lb	kg	lb
23.5-25, (L-3)	Firestone	2849	112.2	-27	-1.1	-372	-820	-274	-604
23.5-25, (L-3)	General	2811	110.7	-42	-1.7	-300	-661	-221	-487
23.5-25, (L-3)	Goodyear	2755	108.5	-12	-0.5	-236	-520	-174	-384
23.5-25 (L-2)	Goodyear	2760	109	-20	-0.8	-408	-899	-300	-661
23.5-R25 (L-2)	Michelin XTLA	2888	113.7	-62	-2.4	-100	-220	-63	-139
23.5-R25 (L-3)	Michelin XHA	2892	113.9	0	0	0	0	0	0
23.5-R25 (L-3)	Goodyear GP2B	2752	108.3	-22	-0.9	-76	-168	-60	-132

NOTE:

Tire options include tires and rims.

In certain applications (such as load-and-carry work) the loader's productive capabilities might exceed the tires' tonnes-km/h (ton-mph) capabilities. Caterpillar recommends consulting a tire supplier to evaluate all conditions before selecting a tire model.