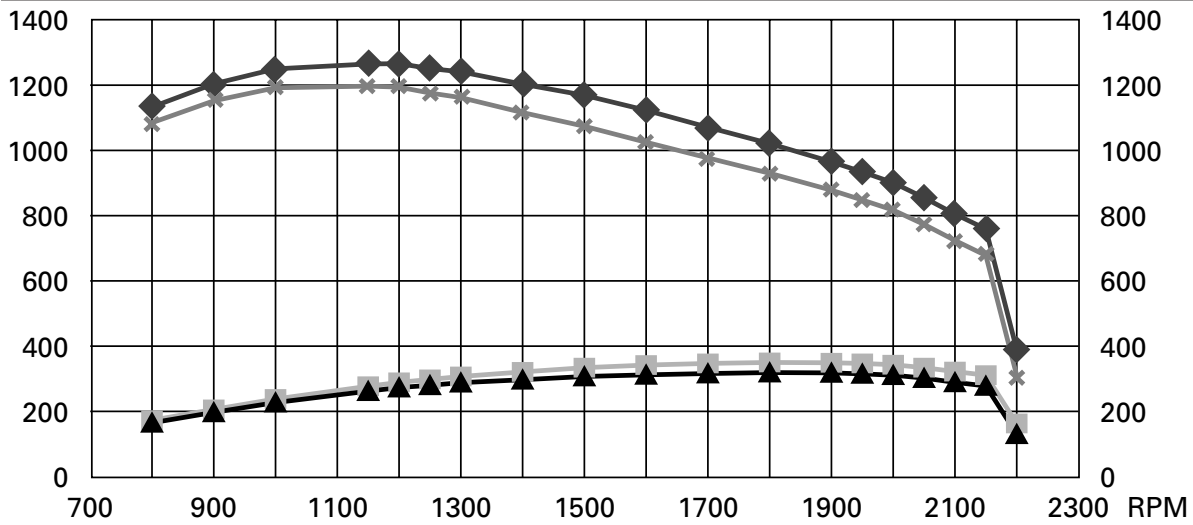


980G Series II Wheel Loader



- HP GROSS
- ◆ LB-FT GROSS
- ▲ HP NET
- ✱ LB-FT NET

980G Series II Wheel Loader

Operating Specifications

		Standard machine with General Purpose Buckets								
		Teeth	Teeth and Segments	Bolt-on Edges	Teeth	Teeth and Segments	Bolt-on Edges	Teeth	Teeth and Segments	Bolt-on Edges
Rated bucket capacity (§)	m ³	4.2	4.5	4.7	4.7	4.9	5.0	5.0	5.3	5.4
	yd ³	5.5	5.75	6.0	6.0	6.25	6.5	6.5	6.75	7.0
Struck capacity (§)	m ³	3.66	3.81	3.87	4.03	4.19	4.25	4.38	4.55	4.61
	yd ³	4.79	4.98	5.06	5.27	5.48	5.56	5.73	5.95	6.03
Width (§)	mm	3533	3533	3447	3533	3533	3447	3533	3533	3447
	ft/in	11'7"	11'7"	11'4"	11'7"	11'7"	11'4"	11'7"	11'7"	11'4"
Dump clearance at full lift and 45° discharge (§)	mm	3342	3342	3448	3265	3265	3374	3201	3201	3311
	ft/in	11'0"	11'0"	11'4"	10'9"	10'9"	11'1"	10'6"	10'6"	10'10"
Reach at full lift and 45° discharge (§)	mm	1534	1534	1419	1581	1581	1469	1627	1627	1516
	ft/in	5'0"	5'0"	4'8"	5'2"	5'2"	4'10"	5'4"	5'4"	5'0"
Reach with lift arm horizontal and bucket level (§)	mm	2957	2957	2801	3047	3047	2891	3127	3127	2971
	ft/in	9'8"	9'8"	9'2"	10'0"	10'0"	9'6"	10'3"	10'3"	9'9"
Digging depth (§)	mm	103	133	138	103	133	138	103	133	138
	in	4	5	5	4	5	5	4	5	5
Overall length (§)	mm	9412	9412	9245	9502	9502	9335	9582	9582	9415
	ft/in	30'11"	30'11"	30'4"	31'2"	31'2"	30'8"	31'5"	31'5"	30'11"
Overall height with bucket at full raise (§)	mm	5994	5994	5994	6067	6067	6067	6135	6135	6135
	ft/in	19'8"	19'8"	19'8"	19'11"	19'11"	19'11"	20'2"	20'2"	20'2"
Loader clearance circle with bucket in carry position (§)	mm	15 815	15 815	15 662	15 865	15 865	15 710	15 909	15 909	15 753
	ft/in	51'11"	51'11"	51'5"	52'1"	52'1"	51'7"	52'2"	52'2"	51'8"
Static tipping load straight*	kg	21 528	21 054	21 175	21 269	20 861	20 923	21 049	20 642	20 705
	lb	47,448	46,403	46,670	46,877	45,978	46,114	46,492	45,495	45,634
Static tipping load full 37° turn	kg	19 289	18 833	18 959	19 044	18 650	18 720	18 836	18 446	18 513
	lb	42,513	41,508	41,786	41,973	41,116	41,259	41,515	40,655	40,803
Breakout force** (§)	kN	272	254	251	251	236	233	235	222	219
	lb	61,214	57,216	56,386	56,583	53,104	52,391	52,978	49,868	49,255
Operating weight* (§)	kg	29 654	29 832	29 759	29 755	29 933	29 860	29 847	30 025	29 952
	lb	65,357	65,750	65,589	65,580	65,972	65,811	65,783	66,175	66,014

* Static tipping loads and operating weights shown are based on standard machine configuration with 29.5-R25, 1-Star (L-3) tires, full fuel tank, coolant, lubricants and operator.

** Measured 102 mm (4.0 in) behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE 732C.

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

980G Series II Wheel Loader

Operating Specifications (continued)

		Standard machine with Rock Buckets — Spade Nose						
		Teeth	Teeth and Segments	Bolt-on Edges	Teeth	Teeth	Teeth and Segments	No Teeth
Rated bucket capacity (§)	m ³	5.4	5.6	5.7	3.8	4.2	4.5	4.2
	yd ³	7.0	7.25	7.5	5.0	5.5	5.75	5.5
Struck capacity (§)	m ³	4.68	4.85	4.92	3.25	3.53	3.73	3.53
	yd ³	6.12	6.34	6.44	4.25	4.62	4.88	4.62
Width (§)	mm	3533	3533	3447	3492	3492	3492	3492
	ft/in	11'7"	11'7"	11'4"	11'5"	11'5"	11'5"	11'5"
Dump clearance at full lift and 45° discharge (§)	mm	3160	3160	3271	3271	3206	3206	3415
	ft/in	10'4"	10'4"	10'9"	10'9"	10'6"	10'6"	11'2"
Reach at full lift and 45° discharge (§)	mm	1656	1656	1545	1760	1798	1798	1580
	ft/in	5'5"	5'5"	5'1"	5'9"	5'11"	5'11"	5'2"
Reach with lift arm horizontal and bucket level (§)	mm	3177	3177	3021	3169	3243	3243	2940
	ft/in	10'5"	10'5"	9'11"	10'5"	10'8"	10'8"	9'8"
Digging depth (§)	mm	103	133	138	103	103	133	103
	in	4	5	5	4	4	5	4
Overall length (§)	mm	9632	9632	9465	9614	9687	9687	9357
	ft/in	31'7"	31'7"	31'1"	31'7"	31'9"	31'9"	30'8"
Overall height with bucket at full raise (§)	mm	6205	6205	6205	6282	6360	6360	6360
	ft/in	20'4"	20'4"	20'4"	20'7"	20'10"	20'10"	20'10"
Loader clearance circle with bucket in carry position (§)	mm	15 937	15 937	15 780	15 718	15 757	15 757	15 563
	ft/in	52'3"	52'3"	51'9"	51'7"	51'8"	51'8"	51'1"
Static tipping load straight*	kg	20 688	20 288	20 217	21 292	20 026	20 508	21 334
	lb	45,596	44,715	44,558	46,928	46,341	45,200	47,020
Static tipping load full 37° turn	kg	18 481	18 009	18 032	19 072	18 811	18 311	19 119
	lb	40,732	39,890	39,743	42,035	41,459	40,357	42,138
Breakout force** (§)	kN	225	213	210	233	224	207	228
	lb	50,736	47,836	47,277	52,488	50,473	46,485	51,228
Operating weight* (§)	kg	30 102	30 280	30 207	29 699	29 910	30 169	29 686
	lb	66,345	66,737	66,576	65,457	65,922	66,092	65,428

980G Series II Wheel Loader

		Material Handling	Coal Bucket	Refuse Bucket	High Lift
Rated bucket capacity (§)	m ³	5.5	8	8	—
	yd ³	7.5	10.4	10.4	—
Struck capacity (§)	m ³	4.9	6.6	6.05	—
	yd ³	6.4	8.6	7.9	—
Width (§)	mm	3404	3607	3886	—
	ft/in	11'2"	11'10"	12'8"	—
Dump clearance at full lift and 45° discharge (§)	mm	3198	2942	2892	221
	ft/in	10'6"	9'7"	9'5"	9"
Reach at full lift and 45° discharge (§)	mm	1447	1654	1696	—
	ft/in	4'9"	5'4"	5'6"	—
Reach with lift arm horizontal and bucket level (§)	mm	3020	3348	3413	160
	ft/in	9'11"	10'10"	11'2"	6"
Digging depth (§)	mm	122	157	162	—
	in	4	6	6	—
Overall length (§)	mm	9463	9791	9856	199
	ft/in	31"	32'1"	32'4"	8"
Overall height with bucket at full raise (§)	mm	6178	9894	10 382	221
	ft/in	20'3"	32'2"	3'4"	9"
Loader clearance circle with bucket in carry position (§)	mm	15 984	16 455	16 763	225
	ft/in	52'5"	53'10"	54'10"	9"
Static tipping load straight*	kg	20 966	19 412	20 369	(1830)
	lb	46,222	42,796	44,905	(4,034)
Static tipping load full 37° turn	kg	18 903	17 333	18 217	(1680)
	lb	41,673	38,212	40,161	(3,704)
Breakout force** (§)	kN	222	182	176	—
	lb	49,996	41,025	39,617	—
Operating weight* (§)	kg	28 880	29 590	30 062	727
	lb	63,669	65,234	66,275	1,602

* Static tipping loads and operating weights shown are based on standard machine configuration with 29.5-R25, 1-Star (L-3) tires, full fuel tank, coolant, lubricants and operator.

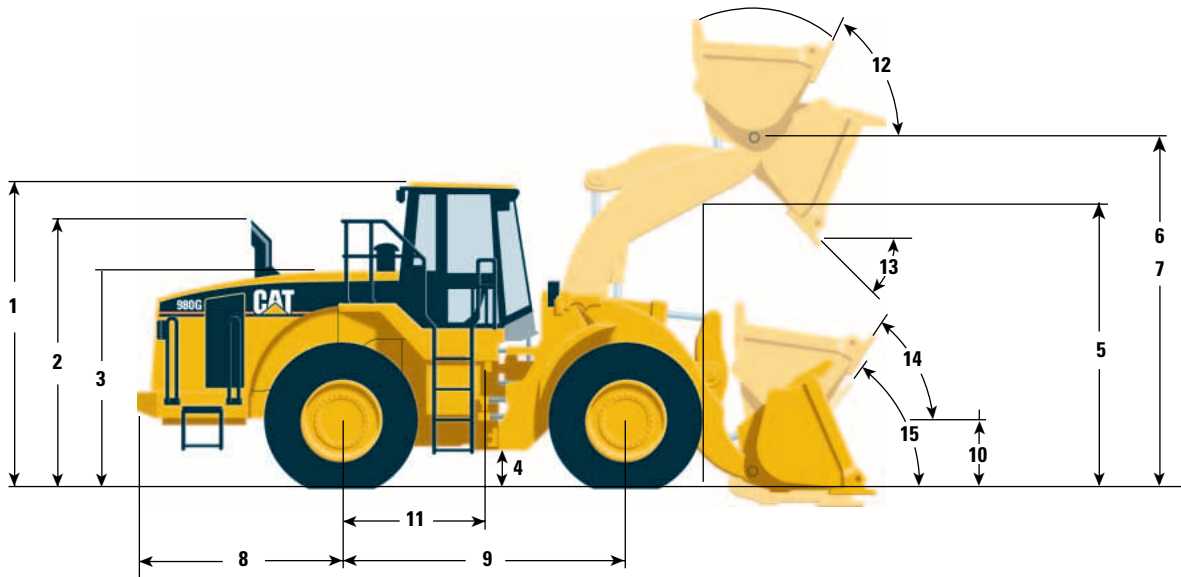
** Measured 102 mm (4.0 in) behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE 732C.

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

980G Series II Wheel Loader

Dimensions

All dimensions are approximate.



1	Height to top of ROPS	3753 mm	12'4"
2	Height to top of exhaust pipe	3390 mm	11'1"
3	Height to top of hood	2332 mm	7'8"
4	Ground clearance/ Standard tire 29.5-R25 (L-3) See Chart below for other tires	467 mm	1'6"
5	Lift arm clearance @ maximum lift	3764 mm	12'4"
6	B-Pin height	4505 mm	14'9"
7	Optional high lift	4727 mm	15'6"

8	Center line of rear axle to edge of counterweight	2493 mm	8'2"
9	Wheelbase	3700 mm	12'2"
10	Height to center line of axle	457 mm	1'6"
11	Center line of rear axle to hitch	1850 mm	6'1"
12	Rack back @ maximum lift	61°	
13	Dump angle @ maximum lift	45°	
14	Rack back @ carry	46°	
15	Rack back @ ground	36°	

Tread width for 29.5-25 is 2440 mm (8')

	Width over tires		Ground clearance		Change in vertical dimensions	
	mm	inches	mm	inches	mm	inches
29.5-25, (L-5)	3274	128.9	521	20.5	+54	+2.1
29.5-25, (L-4)	3285	129.3	515	20.3	+48	+1.9
29.5-25, (L-3)	3265	128.5	484	19.1	+26	+1.0
29.5-R25 (L-3)	3248	127.9	467	18.4	—	—
29.5-R25 (L-2/L-3)	3253	128.1	470	18.5	+3	+0.1
29.5-R25 (L-5)	3258	128.3	492	19.4	+25	+1.0

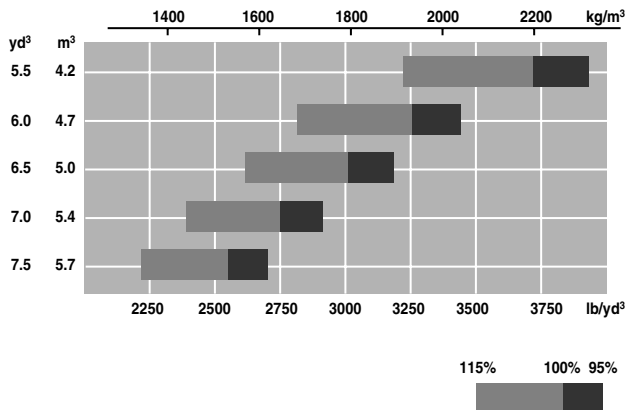
980G Series II Wheel Loader

Typical Material Densities-Loose

	kg/m ³	lb/yd ³
Basalt	1960	3,300
Bauxite, Kaolin	1420	2,400
Clay		
natural bed	1660	2,800
dry	1480	2,500
wet	1660	2,800
Clay and gravel		
dry	1420	2,400
wet	1540	2,600
Decomposed rock		
75% rock, 25% earth	1960	3,300
50% rock, 50% earth	1720	2,900
25% rock, 75% earth	1570	2,650
Earth		
dry, packed	1510	2,550
wet, excavated	1600	2,700
Granite		
broken	1660	2,800
Gravel		
pitrun	1930	3,250
dry	1510	2,550
dry, 6-50 mm (.2-2")	1690	2,850
wet, 6-50 mm (.2-2")	2020	3,400

	kg/m ³	lb/yd ³
Gypsum		
broken	1810	3,050
crushed	1600	2,700
Limestone		
broken	1540	2,600
crushed	1540	2,600
Sand		
dry, loose	1420	2,400
damp	1690	2,850
wet	1840	3,100
Sand and clay		
loose	1600	2,700
Sand and gravel		
dry	1720	2,900
wet	2020	3,400
Sandstone	1510	2,550
Shale	1250	2,100
Slag		
broken	1750	2,950
Stone		
crushed	1600	2,700

Standard Lift Bucket Selection



High Lift Bucket Selection

