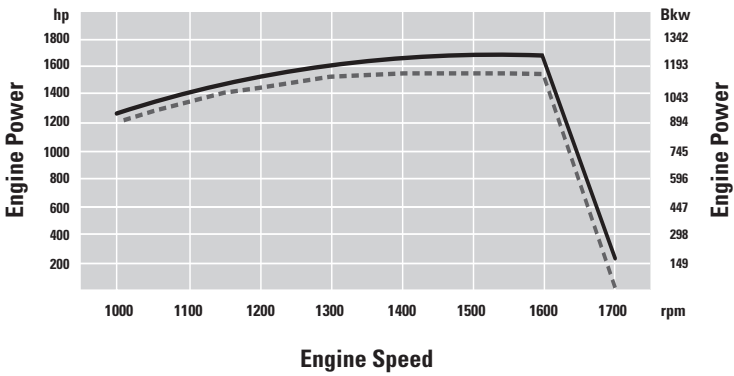
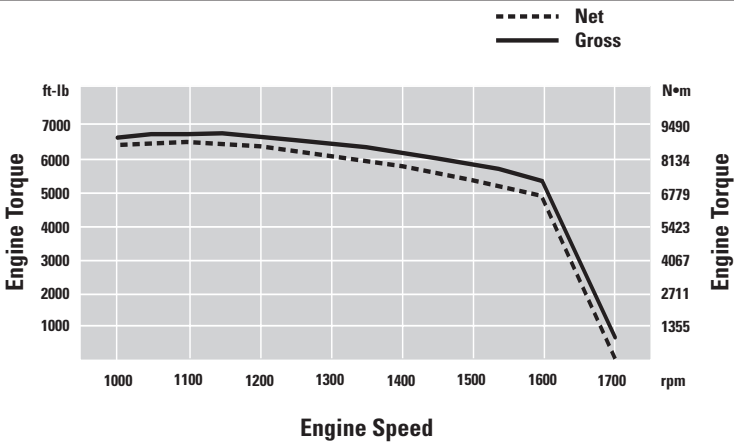


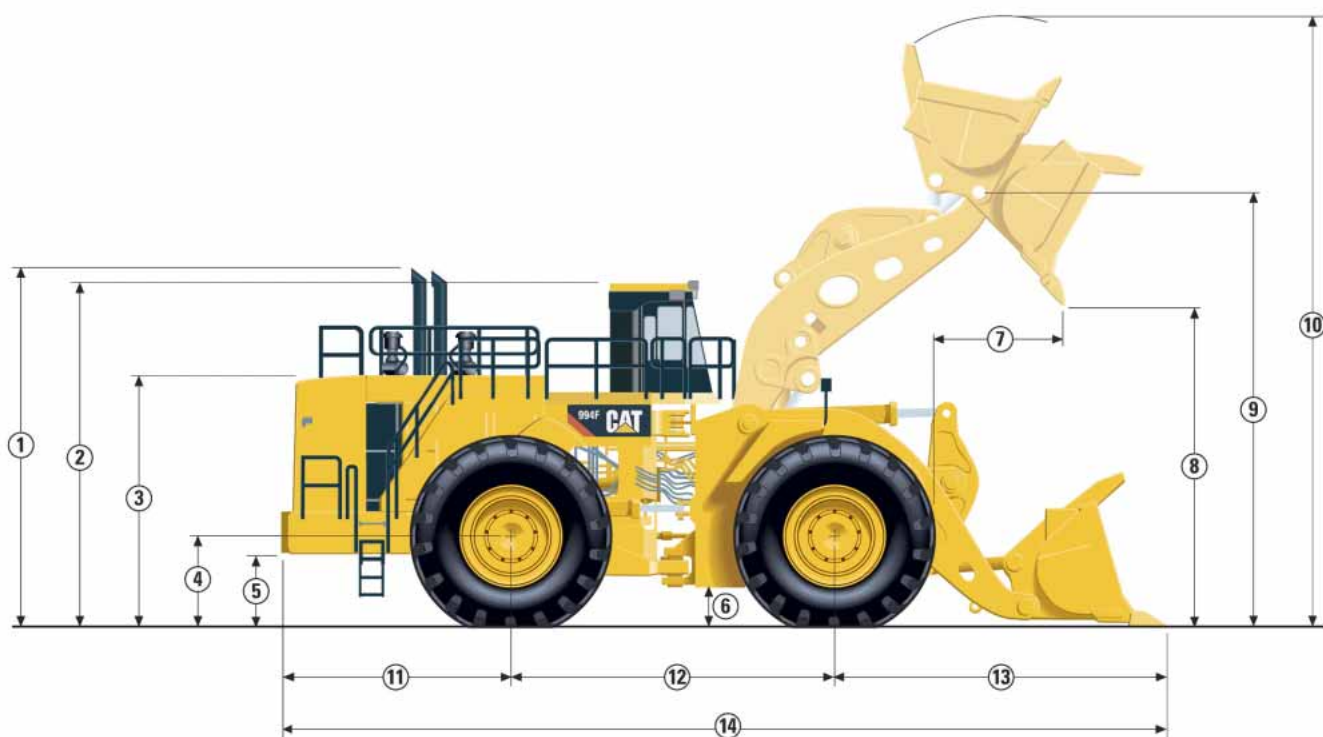
994F Wheel Loader



994F Wheel Loader

Dimensions

All dimensions are approximate.



	Standard*	High Lift**	Super High Lift***
	53.5/85-57 tires	53.5/85-57 tires	58/85-57 tires
1 Height to Top of Exhaust Stacks	6988 mm (22.9 ft)	6988 mm (22.9 ft)	6747 mm (22.1 ft)
2 Height to Top of ROPS/FOPS	6736 mm (22.1 ft)	6736 mm (22.1 ft)	6494 mm (21.3 ft)
3 Height to Top of Hood	4833 mm (15.9 ft)	4833 mm (15.9 ft)	4591 mm (15.1 ft)
4 Height to Center of Axle	1829 mm (6 ft)	1829 mm (6 ft)	1587 mm (5.2 ft)
5 Bumper Clearance	1474 mm (4.8 ft)	1474 mm (4.8 ft)	1232 mm (4 ft)
6 Ground Clearance	811 mm (2.7 ft)	811 mm (2.7 ft)	569 mm (1.9 ft)
7 Reach at Maximum Lift/Dump	2309 mm (7.6 ft)	2764 mm (9.1 ft)	3400 mm (11.2 ft)
8 Clearance at Maximum Lift/Dump	5578 mm (18.3 ft)	6024 mm (19.8 ft)	7296 mm (23.9 ft)
9 Bucket Pivot at Maximum Lift	8140 mm (26.7 ft)	8479 mm (27.8 ft)	10 058 mm (33 ft)
10 Overall Height – Bucket Raised	10 933 mm (35.9 ft)	10 643 mm (34.9 ft)	14 372 mm (47.2 ft)
11 Length – Rear Axle to Bumper	4557 mm (15.0 ft)	4557 mm (15.0 ft)	4557 mm (15.0 ft)
12 Wheel Base Length	6400 mm (21.0 ft)	6400 mm (21.0 ft)	6400 mm (21.0 ft)
13 Length – Front Axle to Bucket Tip	5920 mm (19.4 ft)	6564 mm (21.5 ft)	8569 mm (28.1 ft)
14 Overall Length	16 877 mm (55.4 ft)	17 521mm (57.5 ft)	19 526 mm (64.1 ft)

* Standard machine equipped with 19 m³ (24.5 yd³) 222 in bucket.

** High Lift machine equipped with 18 m³ (23.5 yd³) 245 in bucket.

*** Super High Lift machine equipped with 36 m³ (47 yd³) 256 in bucket.

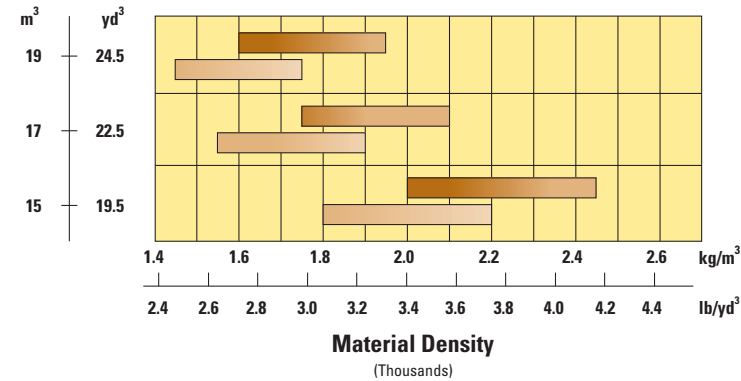
994F Wheel Loader

Bucket Capacity/Material Density Selection Guide

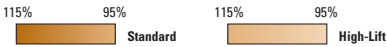
Rock Mining Applications only, for Coal Mining contact your Cat representative.

The following table provides a guideline for bucket selection based on various material densities and estimated fill factors. Based on the new ratings, fill factors are expected to be 110-120% in cohesive materials with easy digging, 100-110% in typical shot rock loading, and 90-100% in poorly shot rock with large rocks and difficult penetration. For many mining applications, the 994F standard lift is matched with the 19 m³ (24.5 yd³) rock bucket and the high lift is matched with the 17 m³ (22.5 yd³) rock bucket.

Bucket Capacity



Bucket Fill Factor



Changes in bucket weight, including field installed wear iron, can impact rated payload. Consult your Caterpillar dealer for assistance in selecting and configuring the proper bucket for the application. The Caterpillar Large Wheel Loader Payload Policy is a guideline intended to maximize wheel loader structural and component life.

994F Wheel Loader

Operating Specifications – Standard Lift

For machines equipped with 53.5/85-57, 76 PR L-5 tires – see additional tables for other tire sizes

		Narrow Bucket (5640 mm/222 in)				Wide Bucket (6200 mm/244 in)		Coal Bucket (6200 mm/ 244 in)
		Spade Edge Rock Bucket Teeth & Segment				Spade Edge Rock Bucket Teeth & Segment		Straight Edge Coal Bucket Teeth & Segment
Rated capacity (\$)	m³ yd³	14 18.5	15 19.5	17 22.5	19 25	18 23.5	19 25	31 41
Width (\$)	mm ft/in	5640 18' 6"	5640 18' 6"	5640 18' 6"	5640 18' 6"	6200 20' 4"	6200 20' 4"	6200 20' 4"
Struck capacity (\$)	m³ yd³	11 14.4	12 15.7	14 18.3	15 19.6	14.5 19.0	15 19.6	27 35.3
Dump clearance at full lift and 45° discharge (\$)	mm ft/in	5771 18' 11"	5771 18' 11"	5663 18' 7"	5556 18' 3"	5663 18' 7"	5563 18' 3"	5635 18' 6"
Reach at full lift and 45° discharge (\$)	mm ft/in	2071 6' 9"	2071 6' 9"	2160 7' 1"	2266 7' 5"	2160 7' 1"	2278 7' 6"	2306 7' 6"
Reach with lift arms horizontal and bucket level	mm ft/in	4916 16' 1"	4916 16' 1"	5056 16' 7"	5206 17' 0"	5056 16' 7"	5210 17' 1"	5179 17' 0"
Digging depth (\$)	mm in	108 4"	108 4"	108 4"	108 4"	108 4"	108 4"	63 2"
Overall length (\$)	mm ft/in	16 604 54' 6"	16 604 54' 6"	16 744 54' 11"	16 894 55' 5"	16 744 54' 11"	16 898 55' 5"	16 830 55' 2"
Overall height with bucket at full raise (\$)	mm ft/in	10 719 35' 2"	10 719 35' 2"	10 866 35' 7"	10 911 35' 9"	10 636 34' 11"	10 621 34' 10"	10 960 39' 11"
Loader clearance circle with bucket in carry position (\$)	mm ft/in	12 668 41' 7"	12 668 41' 7"	12 704 41' 8"	12 742 41' 9"	12 965 42' 6"	13 002 42' 7"	13 073 42' 11"
Static tipping load straight** (\$)	kg lb	130 783 288,327	131 140 289,114	130 266 287,187	128 499 283,292	127 909 281,991	126 522 278,933	129 295 285,046
Static tipping load at full 40° turn** (\$)	kg lb	113 391 250,188	113 684 250,835	112 784 248,849	111 091 245,113	110 539 243,895	109 241 241,032	111 719 246,298
Breakout force*** (\$)	kN lb	1134 254,993	1133 254,709	1055 237,173	989 222,336	1060 238,289	995 223,685	974 218,964
Operating weight** (\$)	kg lb	191 899 423,064	192 039 423,373	192 699 424,828	193 779 427,209	193 999 427,694	194 729 429,303	195 169 430,273

(\$)

 Specifications rating conform to all applicable standards recommended by the Society of Automotive Engineers. SAE standard J732c governs loader ratings and is denoted in the chart by (\$).

*

 Dimensions are measured to the tip of the bucket teeth to provide accurate clearance data. SAE standard specifies the cutting edge.

**

 Static tipping load and operating weight shown are based on standard machine configuration with 53.5/85-57 tires, full fuel tank, coolant and lubricants.

 Measured 102 mm (4 in) behind tip of cutting edge with the bucket hinge pin as pivot point in accordance with SAE J732c.

994F Wheel Loader

Changes in Standard Lift Specifications due to Tire Size

Dimensional changes		50/80-57	52/80-57	55/80R57	53.5/85-57	58/85-57
Dump clearance at full lift and 45° discharge	mm	−136	−143	−89	0	+17
	in	−5	−6	−4	0	+0.7
Reach at full lift and 45° discharge	mm	+118	+143	+68	0	−15
	in	+5	+6	+3	0	−0.6
Reach with lift arms horizontal and bucket level	mm	+118	+143	+68	0	−15
	in	+5	+6	+3	0	−0.6
Digging depth	mm	+136	+143	+89	0	−17
	in	+5	+6	+4	0	−0.7
Overall length	mm	+105	+111	+70	0	−12
	in	+4	+4	+3	0	−0.5
Overall height with bucket at full raise	mm	−136	−143	−89	0	+17
	in	−5	−6	−4	0	+0.67
Total width over tires	mm	5305	5302	5509	5460	5524
	in	209	209	217	214	217

Weight changes

		50/80-57	52/80-57	55/80R57	53.5/85-57	58/85-57
Static tipping load straight	kg	−4234	−3339	+50	0	+327
	lb	−9,334	−7,361	+110	0	+721
Static tipping load at full 40° turn	kg	−3738	−2953	+44	0	+285
	lb	−8,241	−6,510	+97	0	+628
Operating weight	kg	−5388	−4256	+64	0	+416
	lb	−11,878	−9,383	+141	0	+917

994F Wheel Loader

Operating Specifications – High Lift

For machines equipped with 53.5/85-57, 76 PR L-5 tires – see additional tables for other tire sizes

		Narrow Bucket (5640 mm/222 in)				Wide Bucket (6200 mm/244 in)		Coal Bucket (6200 mm/ 244 in)
		Spade Edge Rock Bucket Teeth & Segment				Spade Edge Rock Bucket Teeth & Segment		Straight Edge Coal Bucket Teeth & Segment
Rated capacity (\$)	m³ yd³	14 18.5	15 19.5	17 22.5	19 25	18 23.5	19 25	31 41
Width (\$)	mm ft/in	5640 18' 6"	5640 18' 6"	5640 18' 6"	5640 18' 6"	6200 20' 4"	6200 20' 4"	6200 20' 4"
Struck capacity (\$)	m³ yd³	11 14.4	12 15.7	14 18.3	15 19.6	14.5 19	15 19.6	27 35.3
Dump clearance at full lift and 45° discharge (\$)	mm ft/in	6110 20' 0"	6110 20' 0"	6002 19' 8"	5895 19' 4"	6002 19' 8"	5902 19' 4"	5974 19' 7"
Reach at full lift and 45° discharge (\$)	mm ft/in	2632 8' 8"	2632 8' 8"	2721 8' 11"	2827 9' 3"	2721 8' 11"	2839 9' 4"	2867 9' 5"
Reach with lift arms horizontal and bucket level	mm ft/in	5556 18' 2"	5556 18' 2"	5696 18' 8"	5846 19' 4"	5696 18' 8"	5850 19' 2"	5819 19' 1"
Digging depth (\$)	mm in	123 5"	123 5"	123 5"	123 5"	123 5"	123 5"	78 3"
Overall length (\$)	mm ft/in	17 396 57' 0"	17 396 57' 0"	17 536 57' 6"	17 686 58' 0"	17 536 57' 6"	17 690 58' 0"	17 622 57' 10"
Overall height with bucket at full raise (\$)	mm ft/in	11 058 36' 3"	11 058 36' 3"	11 205 36' 9"	11 250 36' 11"	10 960 36' 0"	10 975 36' 0"	12 184 40' 0"
Loader clearance circle with bucket in carry position (\$)	mm ft/in	12 959 42' 6"	12 959 42' 6"	12 993 42' 7"	13 030 42' 10"	13 249 43' 6"	13 285 43' 7"	13 285 43' 7"
Static tipping load straight** (\$)	kg lb	108 695 239,631	108 926 240,140	108 111 238,344	106 543 234,887	105 978 233,641	104 795 231,033	107 068 236,044
Static tipping load at full 40° turn** (\$)	kg lb	93 575 206,297	93 757 206,699	92 914 204,840	91 399 201,500	90 871 200,336	89 753 197,871	91 770 202,318
Breakout force*** (\$)	kN lb	1091 245,475	1091 245,475	1015 228,375	951 213,793	1020 229,305	957 215,325	936 210,421
Operating weight** (\$)	kg lb	194 634 429,094	194 774 429,403	195 434 430,858	196 514 433,239	196 734 433,724	197 464 435,333	197 904 436,303

(\$)

 Specifications rating conform to all applicable standards recommended by the Society of Automotive Engineers. SAE standard J732c governs loader ratings and is denoted in the chart by (\$).

*

 Dimensions are measured to the tip of the bucket teeth to provide accurate clearance data. SAE standard specifies the cutting edge.

**

 Static tipping load and operating weight shown are based on standard machine configuration with 53.5/85-57 tires, full fuel tank, coolant and lubricants.

 Measured 102 mm (4 in) behind tip of cutting edge with the bucket hinge pin as pivot point in accordance with SAE J732c.

994F Wheel Loader

Changes in High Lift Specifications due to Tire Size

Dimensional changes		50/80-57	52/80-57	55/80R57	53.5/85-57	58/85-57
Dump clearance at full lift and 45° discharge	mm	−136	−143	−89	0	+17
	in	−5	−6	−3.5	0	+0.7
Reach at full lift and 45° discharge	mm	+118	+143	+68	0	−15
	in	+5	+6	+3	0	−0.6
Reach with lift arms horizontal and bucket level	mm	+118	+143	+68	0	−15
	in	+5	+6	+3	0	−0.6
Digging depth	mm	+136	+143	+89	0	−17
	in	+5	+6	+4	0	−0.7
Overall length	mm	+90	+94	+59	0	−12
	in	+4	+4	+2	0	−0.5
Overall height with bucket at full raise	mm	−136	−143	−89	0	+17
	in	−5	−6	−4	0	+0.7
Total width over tires	mm	5305	5302	5509	5460	5524
	in	209	209	217	214	217

Weight changes		50/80-57	52/80-57	55/80R57	53.5/85-57	58/85-57
Static tipping load straight	kg	−3643	−2878	+43	0	+281
	lb	−8,031	−6,344	+95	0	+620
Static tipping load at full 40° turn	kg	−3217	−2541	+38	0	+248
	lb	−7,092	−5,602	+84	0	+548
Operating weight	kg	−5388	−4256	+64	0	+416
	lb	−11,878	−9,383	+141	0	+917

994F Wheel Loader

Operating Specifications – Super High Lift

Machines only equipped with 58/85-57 tires & Coal Bucket

		Coal Bucket (6500 mm/256 in)
		Serrated Edge Coal Bucket
Rated capacity (\$)	m³	36
	yd³	47
Struck capacity (\$)	m³	30
	yd³	39.2
Dump clearance at full lift and 45° discharge (\$)	mm	7336
	ft/in	24' 0"
Reach at full lift and 45° discharge (\$)	mm	3386
	ft/in	11' 1"
Reach with lift arms horizontal and bucket level	mm	7543
	ft/in	24' 9"
Digging depth (\$)	mm	299
	ft/in	1' 0"
Overall length (\$)	mm	19 504
	ft/in	63' 1"
Overall height with bucket at full raise (\$)	mm	14 412
	ft/in	47' 3"
Loader clearance circle with bucket in carry position (\$)	mm	14 262
	ft/in	46' 10"
Static tipping load straight** (\$)	kg	83 444
	lb	183,962
Static tipping load at full 40° turn** (\$)	kg	69 748
	lb	153,768
Breakout force*** (\$)	kN	693
	lb	155,925
Operating weight** (\$)	kg	211 970
	lb	467,313
Width over tires 58/85-57	mm	5524
	in	217

(\$) Specifications rating conform to all applicable standards recommended by the Society of Automotive Engineers. SAE standard J732c governs loader ratings and is denoted in the chart by (\$).

* Dimensions are measured to the tip of the bucket teeth to provide accurate clearance data. SAE standard specifies the cutting edge.

** Static tipping load and operating weight shown are based on standard machine configuration with 53.5/85-57 tires, full fuel tank, coolant and lubricants.

*** Measured 102 mm (4 in) behind tip of cutting edge with the bucket hinge pin as pivot point in accordance with SAE J732c.

994F Wheel Loader

Optional Equipment

With approximate changes in operating weights.
Optional equipment may vary. Consult your Caterpillar dealer for specifics.

	kg	lb
BUCKETS		
Spade Edge		
NARROW – 5650 mm (222 in)		
Rock – 14 m³ (18.5 yd³) (J800)	18 338	40,429
Rock – 15 m³ (19.5 yd³) (J800)	18 481	40,744
Rock – 17 m³ (22.5 yd³) (J800)	18 217	40,162
Rock – 19 m³ (25 yd³) (J800)	20 197	44,526
WIDE – 6220 mm (245 in)		
Rock – 18 m³ (23.5 yd³) (J800)	20 167	44,460
Rock – 19 m³ (25 yd³) (J800)	20 444	45,072
Straight Edge		
Coal – 32 m³ (42 yd³) (J700)	20 167	44,460
Serrated Edge		
Coal – 36 m³ (47 yd³) (none)	20 444	45,072
GROUND ENGAGING TOOLS		
BUCKET TIPS*		
Heavy duty – long – rock (J800)	88	193
Heavy duty – abrasion – rock (J800)	105	232
Heavy duty – penetration – rock (J800)	97	214
Penetration – rock (J800)	54	120
Heavy duty – long – coal (J700)	51	113
Heavy duty – abrasion – coal (J700)	66	145
BUCKET WINGS		
Low profile	350	772

* Requires multiple quantities.
** Available mid-2005.

	kg	lb
POWER TRAIN		
Crankcase guard	300	662
Engine prelube	1	3
Engine oil renewal system	66	145
Sy-Klone turbine precleaner	11	25
RIMS		
914 mm (36") wide	1813	3,996
1118 mm (44") wide with 126 mm (6") flange	1925	4,245
1194 mm (47") wide with 126 mm (6") flange	1930	4,255
ELECTRICAL		
CAES, attachment ready	23	50
VIMS, wireless II	0	0
Camera, rear vision	2	4
OTHER		
Cab precleaner	2	5
Product Link**	1	3

Mandatory Attachments (select one from each group)

Mandatory and optional equipment may vary. Consult your Caterpillar dealer for specifics.

	kg	lb
LIFT ARRANGEMENTS		
Standard	0	0
High Lift	3186	7,024
Super High Lift	17 729	39,085
FUEL LINES		
No heater	0	0
With heater	6	13
Cold weather starting	32	71

	kg	lb
RIMS		
914 mm (36") wide	0	0
1118 mm (44") wide with 126 mm (6") flange	428	944
1194 mm (47") wide with 126 mm (6") flange	459	1,012
STARTERS		
Air start, turbine, Ingersoll	0	0
Air start, turbine, TDI	0	0
Electric- not recommended in ambient temperatures below 0° C (32° F)	0	0