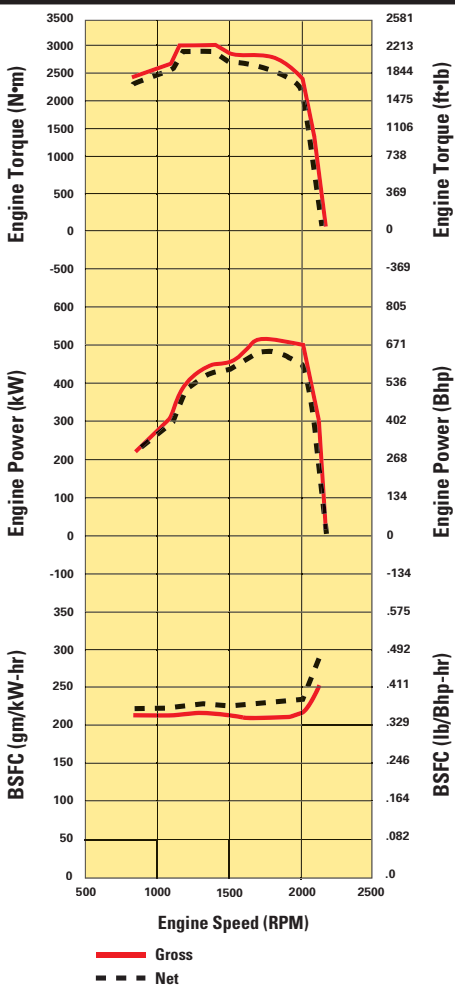


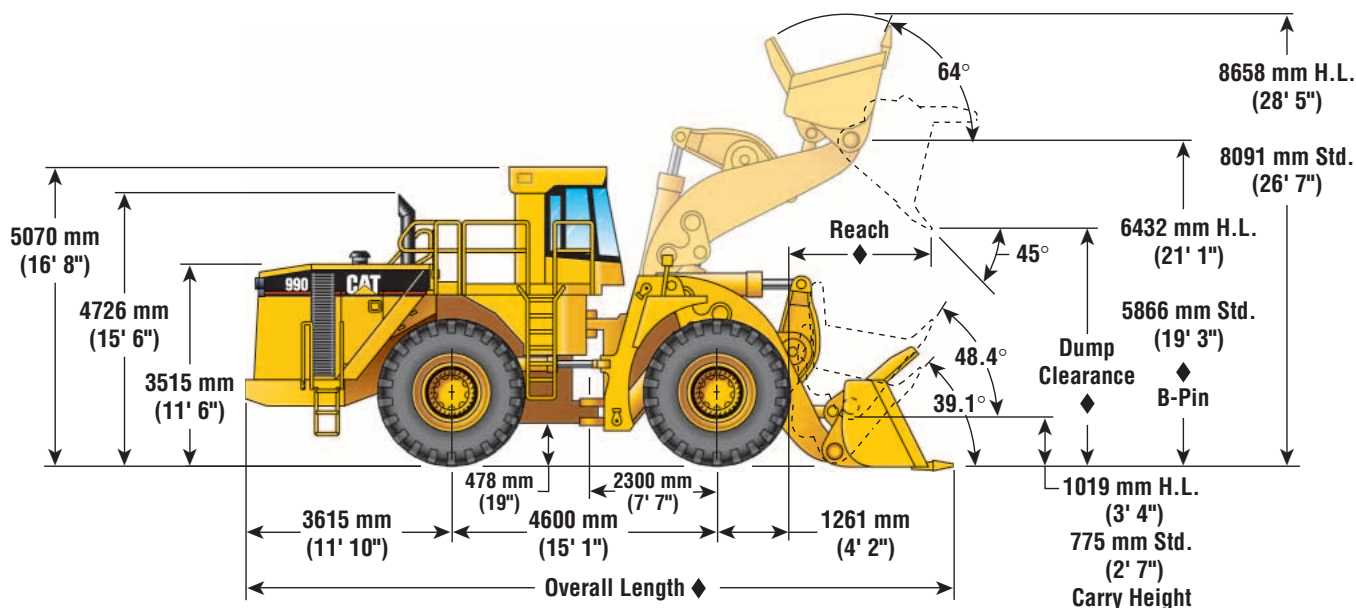
990 Series II Wheel Loader



Dimensions

All dimensions are approximate.

- ◆ Dimensions vary with bucket. Refer to operating specifications chart on pages 20-21.



Supplemental Specifications

	Width over tires		Ground clearance		Change in vertical dimensions		Change in operating weight		Change in full turn static tipping load	
	mm	inches	mm	inches	mm	inches	kg	lb	kg	lb
41.25/70-39 42 PR (L-5) General	4183	164.7	478	18.8	—	—	—	—	—	—
41.25/70-39 42 PR (L-5) Firestone	4211	165.8	475	18.7	3	.1	368	812	214	471
54/65R39 (L-5) Bridgestone	4303	169.4	458	18	20	.8	464	1024	269	594
45/65R39 (L-5) Goodyear RL-5K	4364	171.8	470	18.5	8	.3	780	1720	453	998
45/65R39 (L-4) Michelin XLDD1A	4369	172	427	16.8	51	2	-332	-732	-193	-425
45/65R39 (L-5) Michelin XLDD2A	4369	172	427	16.8	51	2	229	504	133	292
45/65R39 (L-5) Michelin XMINED2	4369	172	455	17.9	23	.9	1172	2584	680	1499

990 Series II Wheel Loader

Operation Specifications: Standard Lift

		Standard Lift					
Bucket Type		Spade HDLT	Spade BOCE	Spade HDLT & BOS	Spade HDTL & BOS	High Abrasion	HD Quarry
Rated Capacity	m³	8.4	8.6	8.6	9.2	8.6	8.6
	yd³	11.0	11.25	11.25	12.0	11.25	11.25
Struck Capacity	m³	6.9	7.3	7.3	7.8	7.3	7.3
	yd³	9.0	9.5	9.5	10.2	9.5	9.5
Bucket Width	mm	4450	4450	4450	4610	4574	4450
	ft-in	14'7"	14'7"	14'7"	15'2"	15'0"	14'7"
Clearance at Full Lift, 45° Dump SAE	mm	4333	4192	4221	4165	4168	4170
	ft-in	14'3"	13'9"	13'10"	13'8"	13'8"	13'8"
	Tooth tip mm	4027	N/A	4024	3968	4018	4023
	ft-in	13'3"	N/A	13'2"	13'0"	13'2"	13'2"
Reach at Full Lift, 45° Dump SAE	mm	1698	1740	1756	1799	1790	1746
	ft-in	5'7"	5'9"	5'9"	5'11"	5'10"	5'9"
	Tooth tip mm	2223	N/A	2218	2274	2221	2220
	ft-in	7'4"	N/A	7'3"	7'6"	7'3"	7'3"
Reach @ Level Arm and Level Bucket SAE	mm	3416	3516	3538	3599	3586	3544
	ft-in	11'2"	11'6"	11'7"	11'10"	11'9"	11'8"
	Tooth tip mm	4202	N/A	4202	4280	4208	4204
	ft-in	13'9"	N/A	13'9"	14'1"	13'10"	13'10"
Digging Depth	mm	107	148	148	148	148	168
	inch	4"	6"	6"	6"	6"	7"
Overall Length Edge	mm	12 341	12 534	12 492	12 572	12 568	12 560
	ft-in	40'6"	41'1"	41'0"	41'3"	41'3"	41'2"
	Tooth tip mm	12 730	N/A	12 761	12 839	12 767	12 778
	ft-in	41'9"	N/A	41'10"	42'1"	41'11"	41'11"
Overall Height with Loaded Bucket at Max. Lift and Racked	mm	8091	8091	8091	8091	8091	8091
	ft-in	26'7"	26'7"	26'7"	26'7"	26'7"	26'7"
Clearance Circle @ Carry Edge	mm	20 224	20 527	20 224	20 290	20 258	20 227
	ft-in	66'4"	67'4"	66'4"	66'7"	66'6"	66'4"
	Tooth tip mm	20 674	N/A	20 674	20 740	20 708	20 677
	ft-in	67'10"	N/A	67'10"	68'1"	67'11"	67'10"
Tipping Load (at operating weight) (kg)	str	43 997	43 242	42 873	42 392	41 347	43 516
	lb	96,996	95,331	94,518	93,457	91,154	95,935
	(kg) 35° art	39 785	39 085	38 709	38 243	37 203	39 364
	lb	87,710	86,167	85,338	84,311	82,018	86,782
Breakout Force	kN	655	602	610	584	581	598
	kg	66 760	61 430	62 210	59 509	59 271	61 006
	lb	147,179	135,429	137,148	131,194	130,669	134,494
Operating Weight†	kg	76 484	76 628	76 965	77 236	78 160	76 144
	lb	168,617	168,934	169,677	170,274	172,312	167,867

* DST and BOS = Double Strap Teeth and Bolt-On Segments, BOCE = Bolt-On Cutting Edge.
** Dimensions measured to end of teeth and do not conform to SAE standard.
† Static tipping load and operating weight are based on standard machine configuration with 41.25/70-39 42 PR (L-5) tires, full fuel lubricants and operator.
†† Measured 102 mm (4 in) behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732c.
NOTE: Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers. SAE Standard J732 JUN92 and J742 FEB85 govern loader ratings, denoted in the text by (§).

990 Series II Wheel Loader

Operation Specifications: High Lift

		High Lift				
Bucket Type		Spade HDLT	Spade BOCE	Spade HDLT & BOS	High Abrasion	HD Quarry
Heaped Capacity	m³	8.4	8.6	8.6	8.6	8.6
	yd³	11.0	11.25	11.25	11.25	11.25
Struck Capacity	m³	6.9	7.3	7.3	7.3	7.3
	yd³	9.0	9.5	9.5	9.5	9.5
Bucket Width	mm	4450	4450	4450	4574	4450
	ft-in	14'7"	14'7"	14'7"	15'0"	14'7"
Clearance at Full Lift, 45° Dump SAE	mm	4899	4758	4787	4734	4736
	ft-in	16'1"	15'7"	15'8"	15'6"	15'6"
	Tooth tip mm	4593	N/A	4590	4584	4589
	ft-in	15'1"	N/A	15'1"	15'0"	15'1"
Reach at Full Lift, 45° Dump SAE	mm	1991	2033	2049	2083	2039
	ft-in	6'6"	6'8"	6'9"	6'10"	6'8"
	Tooth tip mm	2516	N/A	2511	2514	2513
	ft-in	8'3"	N/A	8'3"	8'3"	8'3"
Reach @ Level Arm and Level Bucket SAE	mm	4016	4116	4138	4186	4144
	ft-in	13'2"	13'6"	13'7"	13'9"	13'7"
	Tooth tip mm	4802	N/A	4802	4808	4804
	ft-in	15'9"	N/A	15'9"	15'9"	15'9"
Digging Depth - Bucket Level	mm	150	191	191	191	211
	inch	6"	8"	8"	8"	8"
Overall Length Edge	mm	13 080	13 273	13 231	13 307	13 299
	ft-in	42'11"	43'7"	43'5"	43'8"	43'8"
	Tooth tip mm	13 469	N/A	13 500	13 506	13 517
	ft-in	41'11"	N/A	44'3"	44'4"	44'4"
Overall Height with Loaded Bucket at Max. Lift and Racked	mm	8658	8658	8658	8658	8658
	ft-in	28'5"	28'5"	28'5"	28'5"	28'5"
Clearance Circle @ Carry Edge	mm	20 893	21 171	20 893	20 929	20 897
	ft-in	68'7"	69'6"	69'7"	68'8"	68'7"
	Tooth tip mm	21 343	N/A	21 343	21 379	21 347
	ft-in	70'0"	N/A	70'0"	70'2"	70'0"
Tipping Load (at operating weight) (kg)	str	40 533	39 902	39 530	38 076	40 212
	lb	89,359	87,968	87,148	83,942	88,651
	(kg) 35° art	36 227	35 644	35 267	33 831	35 959
	lb	79,866	78,581	77,750	74,584	79,275
Breakout Force	kN	617	569	576	548	565
	kg	62 947	57 977	58 694	55 891	57 611
	lb	138,773	127,816	129,397	123,217	127,009
Operating Weight†	kg	80 671	80 814	81 152	82 347	80 331
	lb	177,847	178,163	178,908	181,542	177,098

* DST and BOS = Double Strap Teeth and Bolt-On Segments, BOCE = Bolt-On Cutting Edge.
** Dimensions measured to end of teeth and do not conform to SAE standard.
† Static tipping load and operating weight are based on standard machine configuration with 41.25/70-39 42 PR (L-5) tires, full fuel lubricants and operator.
†† Measured 102 mm (4 in) behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732c.
NOTE: Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers. SAE Standard J732 JUN92 and J742 FEB85 govern loader ratings, denoted in the text by (§).

990 Series II Wheel Loader

Optional Equipment

With approximate changes in operating weights.

	kg	lb
Buckets	See Buckets	
Bucket attachments:		
Side bar protectors (set of 2)	45	100
Bucket teeth, long (set of 8)	145	320
Bucket teeth, short (set of 8)	145	320
Bucket teeth, HD long (set of 8)	190	418
Fuel system - Fast Fill meets	1	3
EUI Pressure Vessel Requirements		
High Ambient Cooling Arrangement	12	26.5
High Lift Arrangement	1136	2504

	kg	lb
Oil change system		
Auto Lube	5	11
Payload control system II	32	70
Ride Control System	180	396
Supplemental steering	71	157
Starting aids		
Cold weather starting system	180	396
Diesel fuel heater	7	15
Heater, engine coolant	4	8
Tires	See specifications	
Sound Suppression/Spectator	173	382