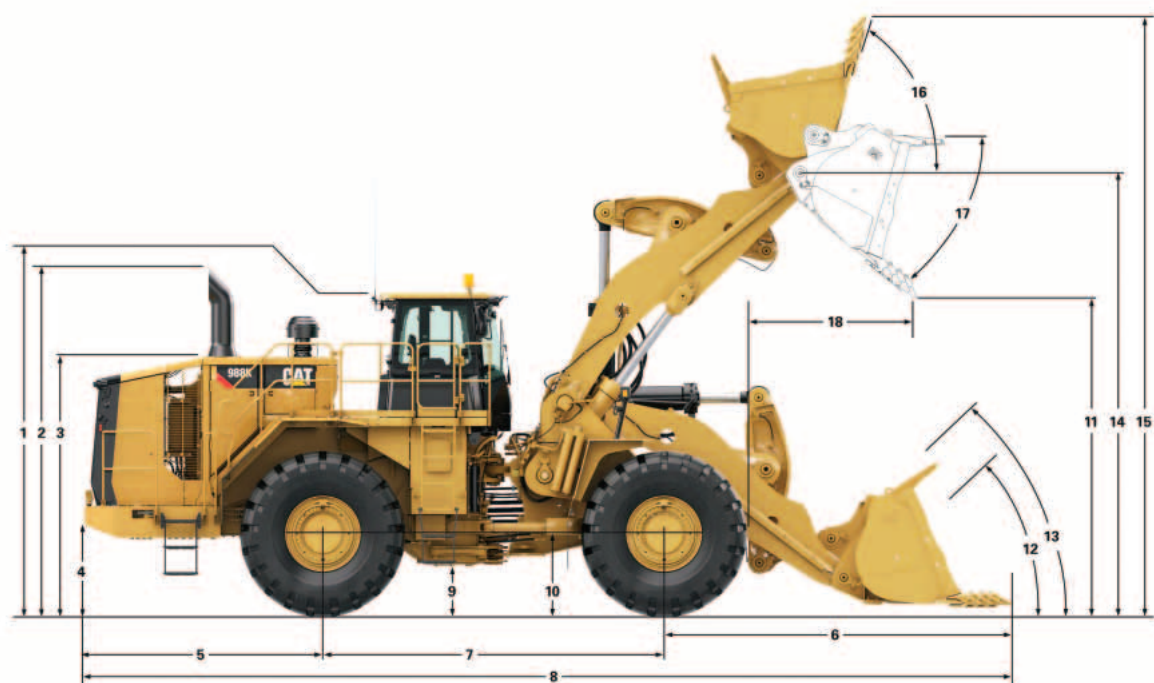


988K Wheel Loader

Dimensions

All dimensions are approximate.



	Standard Lift		High Lift	
1 Ground to Top of ROPS	4221 mm	13.8 ft	4221 mm	13.8 ft
2 Ground to Top of Exhaust Stack	4214 mm	13.8 ft	4214 mm	13.8 ft
3 Ground to Top of Hood	3334 mm	10.9 ft	3334 mm	10.9 ft
4 Ground to Bumper Clearance	933 mm	3.1 ft	933 mm	3.1 ft
5 Rear Axle Center Line to Bumper	3187 mm	10.5 ft	3187 mm	10.5 ft
6 Front Axle Center Line to Bucket Tip	4467 mm	14.7 ft	4854 mm	15.9 ft
7 Wheelbase	4550 mm	14.9 ft	4550 mm	14.9 ft
8 Maximum Overall Length	12 204 mm	40.0 ft	12 582 mm	41.3 ft
9 Ground to Lower Hitch Clearance	568 mm	1.9 ft	568 mm	1.9 ft
10 Ground to Center of Front Axle	978 mm	3.2 ft	978 mm	3.2 ft
11 Clearance at Maximum Lift	3445 mm	11.3 ft	3882 mm	12.7 ft
12 Rack Back Angle at Ground Level	43.6 degrees		44.7 degrees	
13 Rack Back Angle at Carry	51.0 degrees		52.9 degrees	
14 B-Pin Height at Maximum Lift	5479 mm	18.0 ft	5881 mm	19.3 ft
15 Maximum Overall Height, Bucket Raised	7455 mm	24.5 ft	7849 mm	25.8 ft
16 Rack Angle at Maximum Lift	64.5 degrees		64.3 degrees	
17 Dump Angle at Maximum Lift	-49.8 degrees		-50.1 degrees	
18 Reach at Maximum Lift	2074 mm	6.8 ft	2130 mm	7.0 ft

988K Wheel Loader

Bucket Capacity/Material Density Selection Guide

Standard Lift/High Lift					
Material Density				Bucket Volume	
kg/m ³	lb/yd ³	tonnes/m ³	tons/yd ³	m ³	yd ³
1468-1614	2,500-2,750	1.47-1.61	1.25-1.38	7.7	10.00
1638-1801	2,778-3,056	1.64-1.80	1.39-1.53	6.9	9.00
1766-1942	3,001-3,300	1.77-1.94	1.50-1.65	6.4	8.33

m ³	yd ³	Fill Factor	Payload Target		Payload					
			tonnes	tons	kg	lb	kg/m ³	lb/yd ³	tonnes/m ³	tons/yd ³
7.7	10.00	100%	11.30	12.50	11 300	25,000	1468	2,500	1.47	1.25
		110%	12.43	13.75	12 430	27,500	1614	2,750	1.61	1.38
6.9	9.00	100%	11.30	12.50	11 300	25,000	1638	2,778	1.64	1.39
		110%	12.43	13.75	12 430	27,500	1801	3,056	1.80	1.53
6.4	8.33	100%	11.30	12.50	11 300	25,000	1766	3,001	1.77	1.50
		110%	12.43	13.75	12 430	27,500	1942	3,301	1.94	1.65

988K Wheel Loader

Operating Specifications – Standard Lift

For machines equipped with 35/65 R33 XLDD1 tires – see additional tables for other tire sizes.

		988K Std Lift Tires: 35/65 R33 XLDD1, PN: 339-8790, SLR: 978 mm					
Bucket Type		General Purpose		Rock			HD Rock
Ground Engaging Tool		Adapters or BOCE		K130	K130	K130	K130
Cutting Edge Type		Straight	Straight	Spade	Spade	Spade	Spade
Bucket Part Number		347-4990	347-4980	347-4960	347-4950	347-4970	339-1370
Struck Capacity	m ³	6.0	5.5	6.5	5.5	5.0	5.0
	yd ³	7.8	7.2	8.5	7.2	6.5	6.5
Heaped Capacity (Rated)	m ³	7.6	6.9	7.6	6.9	6.4	6.4
	yd ³	10.0	9.0	10.0	9.0	8.3	8.3
Bucket Width	mm	3897	3855	4020	4020	4020	4080
	ft	12.8	12.6	13.2	13.2	13.2	13.4
Dump Clearance at Full Lift and 45° Discharge (Bare)	mm	3810	3894	3595	3807	3728	3714
	ft	12.5	12.8	11.8	12.5	12.2	12.2
Dump Clearance at Full Lift and 45° Discharge (with Teeth)	mm	—	—	3402	3445	3535	3509
	ft	—	—	11.2	11.3	11.6	11.5
Reach at Lift and 45° Discharge (Bare)	mm	1730	1653	1944	1778	1811	1824
	ft	5.7	5.4	6.4	5.8	5.9	6.0
Reach at Lift and 45° Discharge (with Teeth)	mm	—	—	2127	2074	1994	1998
	ft	—	—	7.0	6.8	6.5	6.6
Reach with Lift Arms Horizontal and Bucket Level (Teeth)	mm	3668	3554	4237	4144	4049	4071
	ft	12.0	11.7	13.9	13.6	13.3	13.4
Digging Depth (Segment)	mm	203	198	204	204	204	204
	in	8	8	8	8	8	8
Overall Length (Bucket Level Ground)	mm	11 714	11 597	12 286	12 204	12 098	12 119
	ft	38.4	38.0	40.3	40.0	39.7	39.8
Overall Height with Bucket at Full Raise	mm	7583	7479	7549	7455	7373	7376
	ft	24.9	24.5	24.8	24.5	24.2	24.2
Loader Clearance Turning Radius (SAE Carry with Teeth)	mm	17 240	17 173	17 400	17 338	17 295	17 317
	ft	56.6	56.3	57.1	56.9	56.7	56.8
Full Dump Angle	degrees	51	51	51	51	51	51
Static Tipping Load – Straight (Rigid Tire)	kg	34 768	35 148	33 811	34 249	34 390	33 331
	lb	76,650	77,488	74,541	75,506	75,817	73,483
Static Tipping Load – Straight (Tire Squash)	kg	32 718	33 116	31 785	32 242	32 399	31 350
	lb	72,131	73,008	70,074	71,081	71,427	69,115
Static Tipping Load – Full Turn (Articulated 35°) (Rigid Tire)	kg	31 139	31 508	30 196	30 625	30 760	29 703
	lb	68,649	69,462	66,571	67,517	67,815	65,484
Static Tipping Load – Full Turn (Articulated 35°) (Tire Squash)	kg	27 990	28 384	27 078	27 532	27 692	26 648
	lb	61,707	62,576	59,697	60,698	61,050	58,749
Static Tipping Load – Full Turn (Articulated 43°) (Rigid Tire)	kg	29 377	29 740	28 441	28 866	28 998	27 941
	lb	64,765	65,566	62,701	63,638	63,930	61,600
Static Tipping Load – Full Turn (Articulated 43°) (Tire Squash)	kg	25 883	26 273	24 980	25 432	25 591	24 549
	lb	57,062	57,922	55,071	56,068	56,418	54,121
Breakout Force	kN	437	468	371	392	410	402
	lbf	98,316	105,297	83,330	88,207	92,170	90,383
Operating Weight	kg	50 306	50 065	50 873	50 530	50 502	51 481
	lb	110,905	110,375	112,155	111,399	111,337	113,496
Weight Distribution at SAE Carry (Unloaded)							
Front	kg	27 450	27 034	28 538	27 979	27 880	29 476
	lb	60,516	59,600	62,916	61,683	61,465	64,982
Rear	kg	22 856	23 031	22 335	22 551	22 622	22 005
	lb	50,388	50,775	49,239	49,716	49,873	48,514
Weight Distribution at SAE Carry (Loaded)							
Front	kg	45 653	45 177	46 776	46 164	46 028	47 629
	lb	100,649	99,599	103,123	101,773	101,474	105,003
Rear	kg	15 992	16 228	15 437	15 706	15 814	15 192
	lb	35,257	35,777	34,032	34,627	34,864	33,493

Michelin XLDD1 2 Star with 6.3 bar (92 psi) pressure.

988K Wheel Loader

Operating Specifications – High Lift

For machines equipped with 35/65 R33 XLDD1 tires – see additional tables for other tire sizes.

		988K HL Tires: 35/65 R33 XLDD1, PN: 339-8790, SLR: 978 mm					
Bucket Type		General Purpose		Rock			HD Rock
Ground Engaging Tool		Adapters or BOCE		K130	K130	K130	K130
Cutting Edge Type		Straight	Straight	Spade	Spade	Spade	Spade
Bucket Part Number		347-4990	347-4980	347-4960	347-4950	347-4970	339-1370
Struck Capacity	m ³	6.0	5.5	6.5	5.5	5.0	5.0
	yd ³	7.8	7.2	8.5	7.2	6.5	6.5
Heaped Capacity (Rated)	m ³	7.6	6.9	7.6	6.9	6.4	6.4
	yd ³	10.0	9.0	10.0	9.0	8.3	8.3
Bucket Width	mm	3897	3855	4020	4020	4020	4080
	ft	12.8	12.6	13.2	13.2	13.2	13.4
Dump Clearance at Full Lift and 45° Discharge (Bare)	mm	4211	4296	3997	4074	4130	4116
	ft	13.8	14.1	13.1	13.4	13.5	13.5
Dump Clearance at Full Lift and 45° Discharge (with Teeth)	mm	—	—	3804	3882	3937	3911
	ft	—	—	12.5	12.7	12.9	12.8
Reach at Lift and 45° Discharge (Bare)	mm	1811	1734	2024	1947	1892	1905
	ft	5.9	5.7	6.6	6.4	6.2	6.2
Reach at Lift and 45° Discharge (with Teeth)	mm	—	—	2208	2130	2075	2079
	ft	—	—	7.2	7.0	6.8	6.8
Reach with Lift Arms Horizontal and Bucket Level (Teeth)	mm	4007	3893	4576	4466	4388	4410
	ft	13.1	12.8	15.0	14.7	14.4	14.5
Digging Depth (Segment)	mm	219	214	220	220	220	220
	in	9	8	9	9	9	9
Overall Length (Bucket Level Ground)	mm	12 122	12 005	12 692	12 582	12 504	12 525
	ft	39.8	39.4	41.6	41.3	41.0	41.1
Overall Height with Bucket at Full Raise	mm	7985	7881	7951	7849	7775	7778
	ft	26.2	25.9	26.1	25.8	25.5	25.5
Loader Clearance Turning Radius (SAE Carry with Teeth)	mm	17 595	17 525	17 755	17 691	17 647	17 671
	ft	57.7	57.5	58.3	58.0	57.9	58.0
Full Dump Angle	degrees	–50	–50	–50	–50	–50	–50
Static Tipping Load – Straight (Rigid Tire)	kg	32 742	33 084	31 833	32 240	32 352	31 299
	lb	72,183	72,937	70,179	71,077	71,325	69,003
Static Tipping Load – Straight (Tire Squash)	kg	30 959	31 319	30 068	30 494	30 622	29 577
	lb	68,253	69,046	66,289	67,228	67,510	65,206
Static Tipping Load – Full Turn (Articulated 35°) (Rigid Tire)	kg	29 193	29 527	28 296	28 698	28 806	27 754
	lb	64,360	65,096	62,383	63,268	63,507	61,188
Static Tipping Load – Full Turn (Articulated 35°) (Tire Squash)	kg	26 322	26 683	25 449	25 877	26 010	24 970
	lb	58,030	58,826	56,105	57,049	57,342	55,049
Static Tipping Load – Full Turn (Articulated 43°) (Rigid Tire)	kg	27 470	27 801	26 580	26 978	27 085	26 033
	lb	60,562	61,290	58,598	59,477	59,712	57,394
Static Tipping Load – Full Turn (Articulated 43°) (Tire Squash)	kg	24 261	24 619	23 397	23 822	23 954	22 917
	lb	53,486	54,276	51,581	52,518	52,809	50,523
Breakout Force	kN	403	431	341	361	377	370
	lbf	90,535	97,001	76,634	81,154	84,841	83,123
Operating Weight	kg	51 648	51 408	52 216	51 873	51 845	52 824
	lb	113,865	113,335	115,116	114,359	114,298	116,456
Weight Distribution at SAE Carry (Unloaded)							
Front	kg	27 950	27 515	29 086	28 497	28 398	30 082
	lb	61,619	60,660	64,124	62,826	62,608	66,320
Rear	kg	23 698	23 893	23 129	23 375	23 446	22 742
	lb	52,246	52,675	50,991	51,534	51,690	50,137
Weight Distribution at SAE Carry (Loaded)							
Front	kg	47 141	46 651	48 312	47 674	47 542	49 232
	lb	103,928	102,848	106,509	105,104	104,813	108,538
Rear	kg	15 847	16 097	15 244	15 538	15 642	14 931
	lb	34,937	35,487	33,607	34,256	34,485	32,918

Michelin XLDD1 2 Star with 6.3 bar (92 psi) pressure.