

966H Wheel Loader

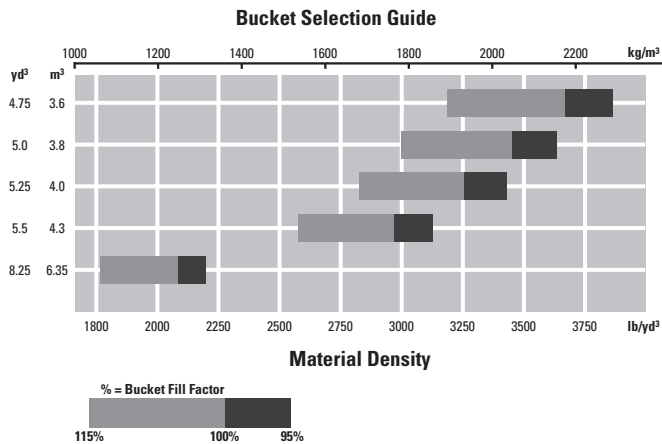
Operating Specifications

Bucket		General Purpose Buckets					
		Teeth	Teeth and Segments	Bolt-On Edges	Teeth	Teeth and Segments	Bolt-On Edges
Rated Bucket Capacity (\$)	m³	3.50	3.65	3.65	3.65	3.80	3.80
	yd³	4.50	4.75	4.75	4.75	5.00	5.00
Struck Capacity (\$)	m³	2.96	3.10	3.10	3.12	3.27	3.27
	yd³	3.88	4.06	4.06	4.08	4.27	4.27
Width (\$)	mm	3145	3145	3059	3145	3145	3059
	ft/in	10'4"	10'4"	10'0"	10'4"	10'4"	10'0"
Dump Clearance at Full Lift and 45° Discharge (\$)	mm	3005	3005	3154	2968	2968	3119
	ft/in	9'10"	9'10"	10'4"	9'9"	9'9"	10'3"
Reach at Full Lift and 45° Discharge (\$)	mm	1389	1389	1247	1411	1411	1270
	ft/in	4'7"	4'7"	4'1"	4'8"	4'8"	4'2"
Reach with Lift Arm Horizontal and Bucket Level (\$)	mm	2857	2857	2652	2900	2900	2695
	ft/in	9'4"	9'4"	8'8"	9'6"	9'6"	8'10"
Digging Depth (\$)	mm	78	108	108	78	108	108
	in	3.07	4.25	4.25	3.07	4.25	4.25
Overall Length	mm	8995	8995	8770	9038	9038	8813
	ft/in	29'6"	29'6"	28'9"	29'8"	29'8"	28'11"
Overall Height with Bucket at Full Raise	mm	5775	5775	5775	5814	5814	5814
	ft/in	18'11"	18'11"	18'11"	19'1"	19'1"	19'1"
Loader Clearance Circle with Bucket in Carry Position (\$)	mm	14 733	14 733	14 528	14 756	14 756	14 550
	ft/in	48'4"	48'4"	47'8"	48'5"	48'5"	47'9"
Static Tipping Load Straight *	kg	17 763	17 401	17 585	17 649	17 290	17 475
	lb	39,167	38,369	38,775	38,916	38,124	38,532
Static Tipping Load Full 37° Turn	kg	15 824	15 480	15 665	15 717	15 375	15 560
	lb	34,892	34,133	34,541	34,656	33,902	34,310
Breakout Force ** (\$)	kN	216	200	202	208	193	195
	lb	48,600	45,000	45,450	46,800	43,425	43,875
Operating Weight * (\$)	kg	23 520	23 672	23 532	23 576	23 728	23 588
	lb	51,862	52,197	51,888	51,985	52,320	52,012

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

* Static tipping loads and operating weights shown are based on standard machine configuration with 26.5R25 L-4 Firestone tires, roading fenders. powertrain guard, full fuel tank, coolants, lubricants, air conditioner and operator.

** Measured 102 mm (4.0") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.



966H Wheel Loader

Bucket		General Purpose Buckets					
		Teeth	Teeth and Segments	Bolt-On Edges	Teeth	Teeth and Segments	Bolt-On Edges
Rated Bucket Capacity (\$)	m³	3.80	4.00	4.00	4.00	4.25	4.25
	yd³	5.00	5.25	5.25	5.25	5.50	5.50
Struck Capacity (\$)	m³	3.28	3.43	3.43	3.43	3.62	3.62
	yd³	4.29	4.48	4.48	4.48	4.73	4.73
Width (\$)	mm	3145	3145	3059	3306	3306	3220
	ft/in	10'4"	10'4"	10'0"	10'10"	10'10"	10'7"
Dump Clearance at Full Lift and 45° Discharge (\$)	mm	2934	2934	3086	2934	2934	3086
	ft/in	9'8"	9'8"	10'2"	9'8"	9'8"	10'2"
Reach at Full Lift and 45° Discharge (\$)	mm	1434	1434	1294	1434	1434	1294
	ft/in	4'8"	4'8"	4'3"	4'8"	4'8"	4'3"
Reach with Lift Arm Horizontal and Bucket Level (\$)	mm	2942	2942	2737	2942	2942	2737
	ft/in	9'8"	9'8"	9'0"	9'8"	9'8"	9'0"
Digging Depth (\$)	mm	78	108	108	78	108	108
	in	3.07	4.25	4.25	3.07	4.25	4.25
Overall Length	mm	9080	9080	8855	9080	9080	8855
	ft/in	29'9"	29'9"	29'1"	29'9"	29'9"	29'1"
Overall Height with Bucket at Full Raise	mm	5853	5853	5853	5853	5853	5853
	ft/in	19'2"	19'2"	19'2"	19'2"	19'2"	19'2"
Loader Clearance Circle with Bucket in Carry Position (\$)	mm	14 778	14 778	14 572	14 924	14 924	14 720
	ft/in	48'6"	48'6"	47'10"	49'0"	49'0"	48'3"
Static Tipping Load Straight *	kg	17 655	17 196	17 382	17 567	17 178	17 394
	lb	38,929	37,917	38,327	38,735	37,877	38,354
Static Tipping Load Full 37° Turn	kg	15 626	15 286	15 472	15 631	15 258	15 474
	lb	34,455	33,706	34,116	34,466	33,644	34,120
Breakout Force ** (\$)	kN	200	186	188	200	186	188
	lb	45,000	41,850	42,300	45,000	41,850	42,300
Operating Weight * (\$)	kg	23 610	23 762	23 622	23 674	23 865	23 698
	lb	52,060	52,395	52,087	52,201	52,622	52,254

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* Static tipping loads and operating weights shown are based on standard machine configuration with 26.5R25 L-4 Firestone tires, roading fenders. powertrain guard, full fuel tank, coolants, lubricants, air conditioner and operator.

** Measured 102 mm (4.0") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

966H Wheel Loader

Operating Specifications

Bucket		Material Handling Buckets					
		Teeth	Teeth and Segments	Bolt-On Edges	Teeth	Teeth and Segments	Bolt-On Edges
Rated Bucket Capacity (\$)	m³	3.65	3.80	3.80	3.80	4.00	4.00
	yd³	4.75	5.00	5.00	5.00	5.25	5.25
Struck Capacity (\$)	m³	3.08	3.22	3.22	3.31	3.46	3.46
	yd³	4.02	4.21	4.21	4.33	4.52	4.52
Width (\$)	mm	3306	3306	3220	3306	3306	3220
	ft/in	10'10"	10'10"	10'7"	10'10"	10'10"	10'7"
Dump Clearance at Full Lift and 45° Discharge (\$)	mm	2920	2920	3083	2878	2878	3041
	ft/in	9'7"	9'7"	10'1"	9'5"	9'5"	10'0"
Reach at Full Lift and 45° Discharge (\$)	mm	1254	1254	1127	1297	1297	1170
	ft/in	4'1"	4'1"	3'8"	4'3"	4'3"	3'10"
Reach with Lift Arm Horizontal and Bucket Level (\$)	mm	2847	2847	2642	2907	2907	2702
	ft/in	9'4"	9'4"	8'8"	9'6"	9'6"	8'10"
Digging Depth (\$)	mm	78	108	108	78	108	108
	in	3.07	4.25	4.25	3.07	4.25	4.25
Overall Length	mm	8985	8985	8760	9045	9045	8820
	ft/in	29'6"	29'6"	28'9"	29'8"	29'8"	28'11"
Overall Height with Bucket at Full Raise	mm	5748	5748	5748	5803	5803	5803
	ft/in	18'10"	18'10"	18'10"	19'0"	19'0"	19'0"
Loader Clearance Circle with Bucket in Carry Position (\$)	mm	14 875	14 875	14 672	14 906	14 906	14 702
	ft/in	48'10"	48'10"	48'2"	48'11"	48'11"	48'3"
Static Tipping Load Straight *	kg	17 519	17 124	17 336	17 366	16 974	17 186
	lb	38,629	37,758	38,226	38,292	37,428	37,895
Static Tipping Load Full 37° Turn	kg	15 598	15 220	15 431	15 452	15 077	15 289
	lb	34,394	33,560	34,025	34,072	33,245	33,712
Breakout Force ** (\$)	kN	217	201	203	206	191	193
	lb	48,825	45,225	45,675	46,350	42,975	43,425
Operating Weight * (\$)	kg	23 599	23 790	23 623	23 670	23 861	23 694
	lb	52,036	52,457	52,089	52,192	52,614	52,245

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* Static tipping loads and operating weights shown are based on standard machine configuration with 26.5R25 L-4 Firestone tires, roading fenders. powertrain guard, full fuel tank, coolants, lubricants, air conditioner and operator.

** Measured 102 mm (4.0") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

966H Wheel Loader

Bucket		Quick Coupler General Purpose Buckets			Rock Buckets		Heavy Duty Rock Buckets
		Teeth	Teeth and Segments	Bolt-On Edges	Bolt-On Edges	Teeth and Segments	Teeth and Segments
Rated Bucket Capacity (\$)	m³	3.65	3.85	3.85	3.50	3.50	3.50
	yd³	4.75	5.00	5.00	5.00	5.00	5.00
Struck Capacity (\$)	m³	3.16	3.31	3.31	2.99	2.99	2.99
	yd³	4.13	4.33	4.33	3.91	3.91	3.91
Width (\$)	mm	3145	3145	3059	3283	3270	3270
	ft/in	10'4"	10'4"	10'0"	10'9"	10'9"	10'9"
Dump Clearance at Full Lift and 45° Discharge (\$)	mm	2843	2843	2995	3114	2965	2965
	ft/in	9'4"	9'4"	9'10"	10'3"	9'9"	9'9"
Reach at Full Lift and 45° Discharge (\$)	mm	1520	1520	1380	1423	1612	1612
	ft/in	5'0"	5'0"	4'6"	4'8"	5'3"	5'3"
Reach with Lift Arm Horizontal and Bucket Level (\$)	mm	3068	3068	2863	2799	3004	3004
	ft/in	10'1"	10'1"	9'5"	9'2"	9'10"	9'10"
Digging Depth (\$)	mm	88	118	118	113	118	118
	in	3.46	4.65	4.65	4.45	4.65	4.65
Overall Length	mm	9214	9214	8988	8921	9169	9169
	ft/in	30'3"	30'3"	29'6"	29'3"	30'1"	30'1"
Overall Height with Bucket at Full Raise	mm	5762	5762	5762	5736	5736	6063
	ft/in	18'11"	18'11"	18'11"	18'10"	18'10"	19'11"
Loader Clearance Circle with Bucket in Carry Position (\$)	mm	14 853	14 853	14 645	14 814	14 935	14 935
	ft/in	48'9"	48'9"	48'1"	48'7"	49'0"	49'0"
Static Tipping Load Straight *	kg	16 965	16 634	16 797	17 380	17 244	17 122
	lb	37,408	36,678	37,037	38,323	38,023	37,754
Static Tipping Load Full 37° Turn	kg	15 103	14 787	14 950	15 439	15 303	15 180
	lb	33,302	32,605	32,965	34,043	33,743	33,472
Breakout Force ** (\$)	kN	179	168	169	178	180	179
	lb	40,275	37,800	38,025	40,050	40,500	40,275
Operating Weight * (\$)	kg	23 516	23 668	23 528	23 867	23 969	24 129
	lb	51,853	52,188	51,879	52,627	52,852	53,204

(\$)

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 Measured 102 mm (4.0") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

966H Wheel Loader

Operating Specifications

Bucket		Waste Bucket	High Lift Change in Specs
		Bolt-On Edges	
Rated Bucket Capacity (\$)	m³	6.50	
	yd³	8.50	
Struck Capacity (\$)	m³	5.43	
	yd³	7.10	
Width (\$)	mm	3355	
	ft/in	11'0"	
Dump Clearance at Full Lift and 45° Discharge (\$)	mm	2989	558
	ft/in	9'10"	1'10"
Reach at Full Lift and 45° Discharge (\$)	mm	1185	-16
	ft/in	3'10"	-1.0"
Reach with Lift Arm Horizontal and Bucket Level (\$)	mm	2750	
	ft/in	9'0"	
Digging Depth (\$)	mm	134	-5
	in	5.28	-0.20
Overall Length	mm	8888	328
	ft/in	29'2"	1'1"
Overall Height with Bucket at Full Raise	mm	6500	549
	ft/in	21'4"	1'10"
Loader Clearance Circle with Bucket in Carry Position (\$)	mm	14 871	124
	ft/in	48'9"	5.0"
Static Tipping Load Straight *	kg	17 893	177
	lb	39,454	390
Static Tipping Load Full 37° Turn	kg	15 860	-3
	lb	34,971	-7
Breakout Force ** (\$)	kN	182	-13
	lb	40,950	-2,864
Operating Weight * (\$)	kg	24 237	1746
	lb	53,443	3,850

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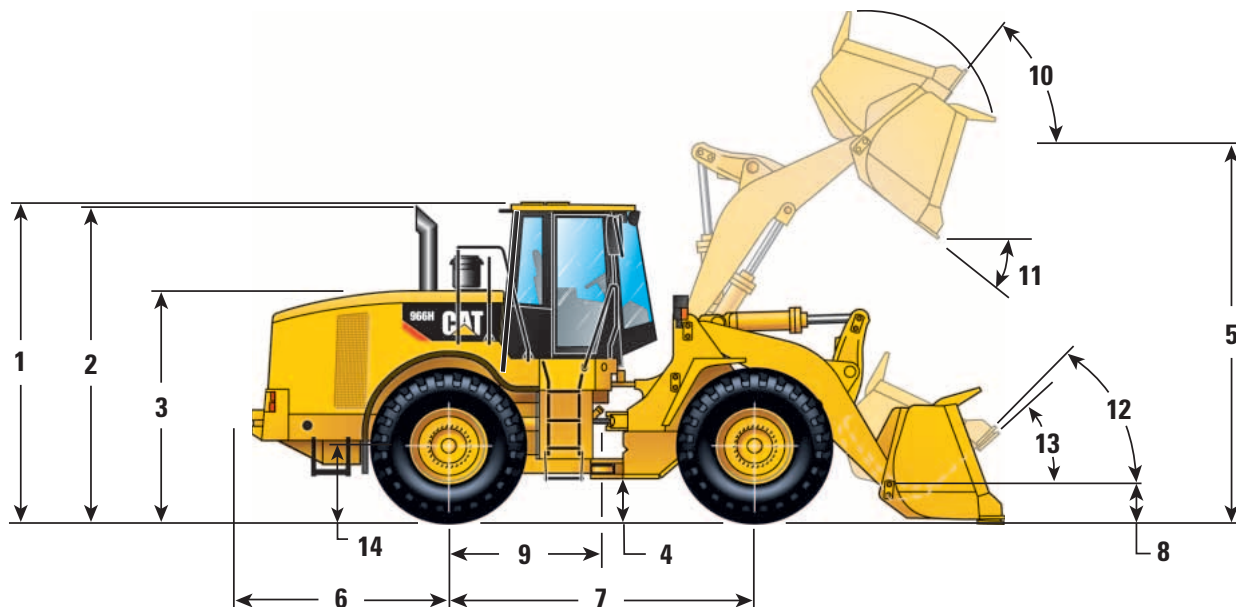
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Dimensions

All dimensions are approximate.



1 Height to top of ROPS	3600 mm (11'10")
2 Height to top of exhaust pipe	3552 mm (11'8")
3 Height to top of hood	2678 mm (8'9")
4 Ground clearance with 26.5R25 L-4 Firestone (see tire chart for other tires)	496 mm (1'8")
5 B-Pin height	4224 mm (13'10")
6 Center line of rear axle to edge of counterweight	2461 mm (8'1")
7 Wheelbase	3450 mm (11'4")
8 B-Pin height @ carry	507 mm (1'8")
9 Center line of rear axle to hitch	1725 mm (5'8")
10 Rack back @ maximum lift	60.8
11 Dump angle @ maximum lift	45
12 Rack back @ carry	47.4
13 Rack back @ ground	41.8
14 Height to center line of axle	815 mm (2'8")

Tire Dimensions/Specifications

	Width over tires		Change in vertical dimensions		Change in operating weight		Change in static tipping load	
	mm	inches	mm	inches	kg	lb	kg	lb
26.5R25 GP2B GY L2 Radial	3012	119	-20	-0.8	-82	-181	-67	-148
26.5R25 VMT BS L3 Radial	3015	119	-30	-1.2	48	106	-45	-99
26.5R25 RT3B GY L3 Radial	3017	119	-20	-0.8	-24	-53	-24	-53
26.5R25 XHA MX L3 Radial	3017	119	-20	-0.8	-34	-75	-31	-68
26.5R25 VSDL BS L5 Radial	2956	116	0	0.0	1214	2,677	906	1,998
750/65R25 MX L3 Radial Low Profile	3076	121	-20	-0.8	-262	-578	-52	-115
26.5-25 20 PR SRG FS L3 Bias	2992	118	-44	-1.7	-358	-789	-492	-1,085
26.5-25 20 PR SHRL GY L3 Bias	2974	117	-20	-0.8	7	15	-158	-348
26.5-25 SRG DT FS LDL4 Bias	3002	118	0	0.0	0	0	0	0

NOTE: Tread width for 26.5-25 is 2230 mm (7'4")