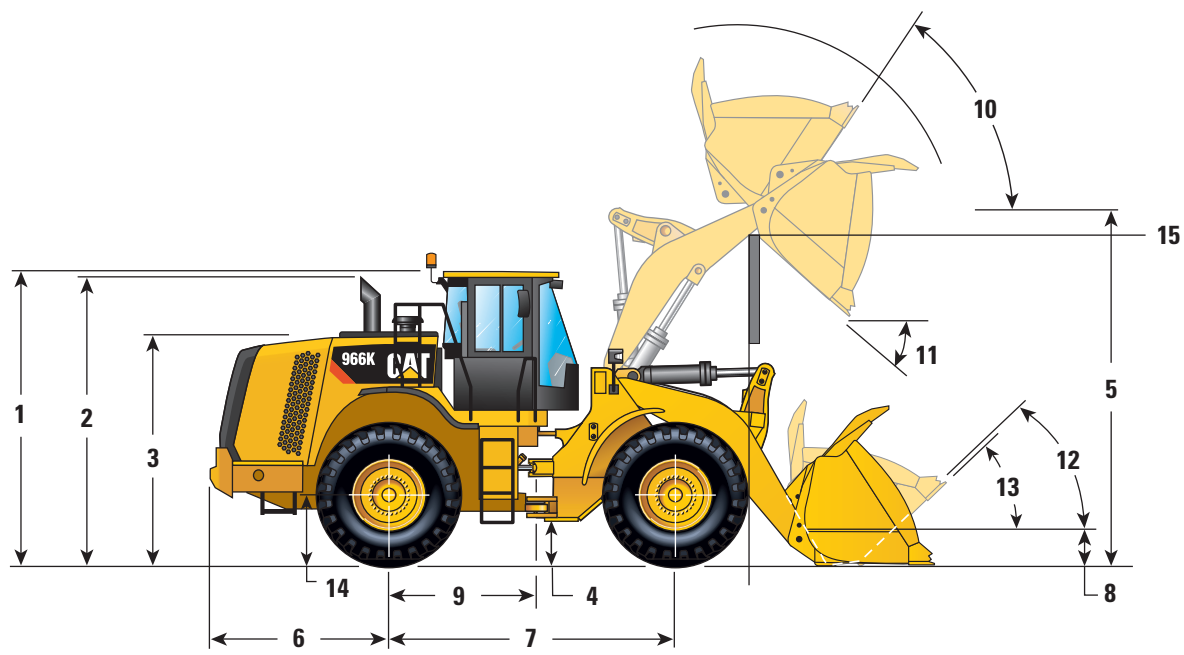


966K Wheel Loader

Dimensions

All dimensions are approximate and based on L3 Michelin XHA2 tires.



1	Height to Top of ROPS	3547 mm	11'7"
2	Height to Top of Exhaust Pipe	3518 mm	11'6"
3	Height to Top of Hood	2828 mm	9'3"
4	Ground Clearance With 26.5R25 (See Tire Option Chart for Other Tires)	475 mm	1'6"
5	B-Pin Height – Standard	4234 mm	13'10"
	B-Pin Height – High-Lift	4792 mm	15'8"
6	Center Line of Rear Axle to Edge of Counterweight	2187 mm	7'2"
7	Wheelbase	3450 mm	11'3"
8	B-Pin Height @ Carry – Standard	640 mm	2'1"
9	Center Line of Rear Axle to Hitch	1725 mm	5'7"
10	Rack Back @ Maximum Lift	62 degrees	
11	Dump Angle @ Maximum Lift	49 degrees	
12	Rack Back @ Carry	50 degrees	
13	Rack Back @ Ground	42 degrees	
14	Height to Center Line of Axle	798 mm	2'7"
15	Lift Arm Clearance	2862 mm	9'3"
	Lift Arm Clearance @ High Lift	4153 mm	13'6"

966K Wheel Loader

Operating Specifications

Bucket Type		Material Handling – Pin On					
Edge Type		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m ³	4.00	4.00	4.20	4.20	4.40	4.40
	yd ³	5.23	5.23	5.49	5.49	5.75	5.75
Capacity – Struck (§)	m ³	3.40	3.40	3.40	3.40	3.76	3.76
	yd ³	4.45	4.45	4.45	4.45	4.92	4.92
Width (§)	mm	3220	3271	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"	10'6"	10'8"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	2978	2815	2949	2787	2921	2758
	ft/in	9'9"	9'2"	9'8"	9'1"	9'7"	9'0"
Reach at Maximum Lift and 45° Discharge (§)	mm	1252	1379	1280	1407	1309	1436
	ft/in	4'1"	4'6"	4'2"	4'7"	4'3"	4'8"
Reach at Level Lift Arm and Bucket Level (§)	mm	2769	2973	2809	3013	2849	3053
	ft/in	9'1"	9'9"	9'2"	9'10"	9'4"	10'0"
Digging Depth (§)	mm	124	124	124	124	124	124
	in	4.9"	4.9"	4.9"	4.9"	4.9"	4.9"
Overall Length	mm	8622	8847	8662	8887	8702	8927
	ft/in	28'4"	29'1"	28'5"	29'2"	28'7"	29'4"
Overall Height with Bucket at Maximum Lift	mm	5858	5858	5901	5901	5931	5931
	ft/in	19'3"	19'3"	19'5"	19'5"	19'6"	19'6"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	14 742	14 914	14 763	14 935	14 783	14 956
	ft/in	48'5"	49'0"	48'6"	49'0"	48'6"	49'1"
Static Tipping Load, Straight (ISO)*	kg	16 632	16 452	16 561	16 380	16 481	16 300
	lb	36,657	36,260	36,501	36,102	36,326	35,925
Static Tipping Load, Straight (Rigid Tire)*	kg	17 824	17 641	17 760	17 575	17 686	17 501
	lb	39,286	38,881	39,143	38,736	38,980	38,572
Static Tipping Load, Articulated (ISO)*	kg	14 644	14 462	14 575	14 392	14 497	14 313
	lb	32,276	31,875	32,123	31,721	31,951	31,547
Static Tipping Load, Articulated (Rigid Tire)*	kg	15 810	15 627	15 747	15 563	15 675	15 490
	lb	34,846	34,442	34,707	34,301	34,549	34,140
Breakout Force** (§)	kN	182	181	177	175	171	170
	lb	41,111	40,742	39,834	39,468	38,618	38,253
Operating Weight*	kg	24 141	24 279	24 186	24 324	24 239	24 377
	lb	53,207	53,511	53,305	53,609	53,422	53,726

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, open differential axles (front/rear), power train guard, secondary steering, and sound suppression.

** Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

*** Rock bucket specifications are given on Michelin 26.5R25 XLDD2 L5 Radial tires.

**** Roading bucket specifications are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, roading counterweight, roading fenders, Product Link, limited slip differential axles (front/rear), power train guard, secondary steering, and sound suppression.

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

(ISO) Full compliance to ISO 14397-1 (2007) Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

966K Wheel Loader

Operating Specifications

Bucket Type		Material Handling – Pin On				Material Handling – Fusion QC	
Edge Type		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m ³	4.60	4.60	4.80	4.80	4.00	4.00
	yd ³	6.02	6.02	6.28	6.28	5.23	5.23
Capacity – Struck (§)	m ³	3.93	3.93	4.11	4.11	3.40	3.40
	yd ³	5.14	5.14	5.38	5.38	4.45	4.45
Width (§)	mm	3220	3271	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"	10'6"	10'8"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	2893	2730	2865	2702	2927	2765
	ft/in	9'5"	8'11"	9'4"	8'10"	9'7"	9'0"
Reach at Maximum Lift and 45° Discharge (§)	mm	1337	1464	1365	1492	1302	1429
	ft/in	4'4"	4'9"	4'5"	4'10"	4'3"	4'8"
Reach at Level Lift Arm and Bucket Level (§)	mm	2889	3093	2929	3133	2840	3045
	ft/in	9'5"	10'1"	9'7"	10'3"	9'3"	9'11"
Digging Depth (§)	mm	124	124	124	124	124	124
	in	4.9"	4.9"	4.9"	4.9"	4.9"	4.9"
Overall Length	mm	8742	8967	8782	9007	8693	8918
	ft/in	28'9"	29'6"	28'10"	29'7"	28'7"	29'4"
Overall Height with Bucket at Maximum Lift	mm	5982	5982	6023	6023	5900	5900
	ft/in	19'8"	19'8"	19'10"	19'10"	19'5"	19'5"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	14 804	14 978	14 825	14 999	14 772	14 947
	ft/in	48'7"	49'2"	48'8"	49'3"	48'6"	49'1"
Static Tipping Load, Straight (ISO)*	kg	16 420	16 237	16 347	16 164	15 974	15 795
	lb	36,190	35,787	36,030	35,625	35,208	34,813
Static Tipping Load, Straight (Rigid Tire)*	kg	17 630	17 444	17 564	17 376	17 150	16 967
	lb	38,858	38,447	38,711	38,298	37,799	37,396
Static Tipping Load, Articulated (ISO)*	kg	14 437	14 252	14 366	14 181	14 012	13 831
	lb	31,819	31,413	31,664	31,255	30,883	30,483
Static Tipping Load, Articulated (Rigid Tire)*	kg	15 621	15 435	15 556	15 369	15 165	14 982
	lb	34,429	34,019	34,287	33,874	33,425	33,022
Breakout Force** (§)	kN	166	165	161	160	172	171
	lb	37,481	37,117	36,391	36,029	38,836	38,470
Operating Weight*	kg	24 274	24 412	24 320	24 458	24 601	24 739
	lb	53,499	53,803	53,600	53,904	54,219	54,523

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, open differential axles (front/rear), power train guard, secondary steering, and sound suppression.

** Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

*** Rock bucket specifications are given on Michelin 26.5R25 XLDD2 L5 Radial tires.

**** Roading bucket specifications are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, roading counterweight, roading fenders, Product Link, limited slip differential axles (front/rear), power train guard, secondary steering, and sound suppression.

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

(ISO) Full compliance to ISO 14397-1 (2007) Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

966K Wheel Loader

Operating Specifications

Bucket Type		Material Handling – Fusion QC					
		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m ³	4.20	4.20	4.40	4.40	4.60	4.60
	yd ³	5.49	5.49	5.75	5.75	6.02	6.02
Capacity – Struck (§)	m ³	3.40	3.40	3.76	3.76	3.93	3.93
	yd ³	4.45	4.45	4.92	4.92	5.14	5.14
Width (§)	mm	3220	3271	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"	10'6"	10'8"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	2899	2736	2872	2709	2843	2680
	ft/in	9'6"	8'11"	9'5"	8'10"	9'3"	8'9"
Reach at Maximum Lift and 45° Discharge (§)	mm	1331	1458	1358	1485	1387	1514
	ft/in	4'4"	4'9"	4'5"	4'10"	4'6"	4'11"
Reach at Level Lift Arm and Bucket Level (§)	mm	2880	3085	2919	3123	2960	3165
	ft/in	9'5"	10'1"	9'6"	10'2"	9'8"	10'4"
Digging Depth (§)	mm	124	124	124	124	124	124
	in	4.9"	4.9"	4.9"	4.9"	4.9"	4.9"
Overall Length	mm	8733	8958	8772	8997	8813	9038
	ft/in	28'8"	29'5"	28'10"	29'7"	28'11"	29'8"
Overall Height with Bucket at Maximum Lift	mm	5943	5943	5973	5973	6024	6024
	ft/in	19'6"	19'6"	19'8"	19'8"	19'10"	19'10"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	14 793	14 969	14 814	14 990	14 836	15 013
	ft/in	48'7"	49'2"	48'8"	49'3"	48'9"	49'4"
Static Tipping Load, Straight (ISO)*	kg	15 903	15 722	15 828	15 647	15 760	15 577
	lb	35,050	34,652	34,885	34,486	34,735	34,333
Static Tipping Load, Straight (Rigid Tire)*	kg	17 084	16 900	17 015	16 830	16 952	16 766
	lb	37,653	37,248	37,501	37,094	37,362	36,953
Static Tipping Load, Articulated (ISO)*	kg	13 942	13 760	13 868	13 685	13 802	13 618
	lb	30,728	30,327	30,565	30,162	30,420	30,015
Static Tipping Load, Articulated (Rigid Tire)*	kg	15 101	14 917	15 033	14 848	14 972	14 786
	lb	33,283	32,878	33,133	32,725	32,999	32,589
Breakout Force** (§)	kN	167	166	162	161	158	156
	lb	37,675	37,311	36,600	36,238	35,526	35,165
Operating Weight*	kg	24 647	24 785	24 701	24 839	24 738	24 876
	lb	54,321	54,625	54,441	54,745	54,523	54,827

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, open differential axles (front/rear), power train guard, secondary steering, and sound suppression.

** Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

*** Rock bucket specifications are given on Michelin 26.5R25 XLDD2 L5 Radial tires.

**** Roading bucket specifications are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, roading counterweight, roading fenders, Product Link, limited slip differential axles (front/rear), power train guard, secondary steering, and sound suppression.

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

(ISO) Full compliance to ISO 14397-1 (2007) Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

966K Wheel Loader

Operating Specifications

Bucket Type		Material Handling – Fusion QC		Heavy Duty Material Handling – Pin On			
Edge Type		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m³	4.80	4.80	4.20	4.20	4.60	4.60
	yd³	6.28	6.28	5.49	5.49	6.02	6.02
Capacity – Struck (§)	m³	4.11	4.11	3.40	3.40	3.93	3.93
	yd³	5.38	5.38	4.45	4.45	5.14	5.14
Width (§)	mm	3220	3271	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"	10'6"	10'8"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	2814	2651	2949	2787	2893	2730
	ft/in	9'2"	8'8"	9'8"	9'1"	9'5"	8'11"
Reach at Maximum Lift and 45° Discharge (§)	mm	1416	1543	1280	1407	1337	1464
	ft/in	4'7"	5'0"	4'2"	4'7"	4'4"	4'9"
Reach at Level Lift Arm and Bucket Level (§)	mm	3000	3205	2809	3013	2889	3093
	ft/in	9'10"	10'6"	9'2"	9'10"	9'5"	10'1"
Digging Depth (§)	mm	124	124	124	124	124	124
	in	4.9"	4.9"	4.9"	4.9"	4.9"	4.9"
Overall Length	mm	8853	9078	8662	8887	8742	8967
	ft/in	29'1"	29'10"	28'5"	29'2"	28'9"	29'6"
Overall Height with Bucket at Maximum Lift	mm	6066	6066	5901	5901	5982	5982
	ft/in	19'11"	19'11"	19'5"	19'5"	19'8"	19'8"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	14 857	15 035	14 763	14 935	14 804	14 978
	ft/in	48'9"	49'4"	48'6"	49'0"	48'7"	49'2"
Static Tipping Load, Straight (ISO)*	kg	15 686	15 503	16 446	16 265	16 272	16 089
	lb	34,573	34,170	36,247	35,848	35,865	35,462
Static Tipping Load, Straight (Rigid Tire)*	kg	16 884	16 697	17 643	17 459	17 481	17 294
	lb	37,213	36,801	38,886	38,479	38,528	38,117
Static Tipping Load, Articulated (ISO)*	kg	13 730	13 546	14 458	14 276	14 288	14 103
	lb	30,262	29,855	31,867	31,464	31,491	31,085
Static Tipping Load, Articulated (Rigid Tire)*	kg	14 906	14 719	15 630	15 446	15 471	15 285
	lb	32,853	32,441	34,450	34,044	34,100	33,689
Breakout Force** (§)	kN	153	152	176	175	166	164
	lb	34,526	34,166	39,730	39,363	37,341	36,977
Operating Weight*	kg	24 786	24 924	24 304	24 442	24 419	24 557
	lb	54,628	54,932	53,566	53,870	53,820	54,124

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, open differential axles (front/rear), power train guard, secondary steering, and sound suppression.

** Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

*** Rock bucket specifications are given on Michelin 26.5R25 XLDD2 L5 Radial tires.

**** Roading bucket specifications are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, roading counterweight, roading fenders, Product Link, limited slip differential axles (front/rear), power train guard, secondary steering, and sound suppression.

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

(ISO) Full compliance to ISO 14397-1 (2007) Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

966K Wheel Loader

Operating Specifications

Bucket Type		Heavy Duty Material Handling – Pin On		Material Handling with Backgrading Edge – Pin On		General Purpose – Pin On	
Edge Type		Bolt-On Edges	Teeth and Segments	Teeth	Teeth	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m ³	4.80	4.80	4.60	4.20	3.80	3.80
	yd ³	6.28	6.28	6.02	5.49	4.97	4.97
Capacity – Struck (§)	m ³	4.11	4.11	4.03	3.66	3.24	3.24
	yd ³	5.38	5.38	5.27	4.79	4.24	4.24
Width (§)	mm	3220	3271	3201	3201	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'6"	10'6"	10'8"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	2865	2702	2944	3001	3067	2915
	ft/in	9'4"	8'10"	9'7"	9'10"	10'0"	9'6"
Reach at Maximum Lift and 45° Discharge (§)	mm	1365	1492	1328	1271	1327	1467
	ft/in	4'5"	4'10"	4'4"	4'2"	4'4"	4'9"
Reach at Level Lift Arm and Bucket Level (§)	mm	2929	3133	2846	2766	2739	2943
	ft/in	9'7"	10'3"	9'4"	9'0"	8'11"	9'7"
Digging Depth (§)	mm	124	124	94	94	124	124
	in	4.9"	4.9"	3.7"	3.7"	4.9"	4.9"
Overall Length	mm	8782	9007	8674	8594	8592	8817
	ft/in	28'10"	29'7"	28'6"	28'3"	28'3"	29'0"
Overall Height with Bucket at Maximum Lift	mm	6023	6023	6023	5940	5788	5788
	ft/in	19'10"	19'10"	19'10"	19'6"	19'0"	19'0"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	14 825	14 999	14 741	14 700	14 727	14 899
	ft/in	48'8"	49'3"	48'5"	48'3"	48'4"	48'11"
Static Tipping Load, Straight (ISO)*	kg	16 193	16 009	15 961	16 135	16 852	16 671
	lb	35,690	35,285	35,179	35,562	37,142	36,743
Static Tipping Load, Straight (Rigid Tire)*	kg	17 407	17 219	17 176	17 340	18 071	17 886
	lb	38,365	37,952	37,857	38,217	39,829	39,422
Static Tipping Load, Articulated (ISO)*	kg	14 210	14 025	13 961	14 131	14 843	14 661
	lb	31,320	30,911	30,770	31,146	32,715	32,312
Static Tipping Load, Articulated (Rigid Tire)*	kg	15 399	15 212	15 154	15 313	16 034	15 849
	lb	33,941	33,528	33,400	33,751	35,339	34,932
Breakout Force** (§)	kN	161	159	169	180	187	185
	lb	36,244	35,883	38,109	40,621	42,151	41,781
Operating Weight*	kg	24 472	24 610	24 789	24 675	24 081	24 218
	lb	53,935	54,239	54,634	54,383	53,073	53,377

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, open differential axles (front/rear), power train guard, secondary steering, and sound suppression.

** Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

*** Rock bucket specifications are given on Michelin 26.5R25 XLDD2 L5 Radial tires.

**** Roading bucket specifications are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, roading counterweight, roading fenders, Product Link, limited slip differential axles (front/rear), power train guard, secondary steering, and sound suppression.

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

(ISO) Full compliance to ISO 14397-1 (2007) Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

966K Wheel Loader

Operating Specifications

Bucket Type		General Purpose – Pin On					
Edge Type		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m ³	4.00	4.00	4.20	4.20	4.60	4.60
	yd ³	5.23	5.23	5.49	5.49	6.02	6.02
Capacity – Struck (§)	m ³	3.50	3.50	3.80	3.80	4.05	4.05
	yd ³	4.58	4.58	4.97	4.97	5.30	5.30
Width (§)	mm	3220	3271	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"	10'6"	10'8"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	3058	2905	2991	2837	2977	2823
	ft/in	10'0"	9'6"	9'9"	9'3"	9'9"	9'3"
Reach at Maximum Lift and 45° Discharge (§)	mm	1334	1473	1388	1525	1400	1537
	ft/in	4'4"	4'10"	4'6"	5'0"	4'7"	5'0"
Reach at Level Lift Arm and Bucket Level (§)	mm	2750	2955	2838	3043	2857	3062
	ft/in	9'0"	9'8"	9'3"	9'11"	9'4"	10'0"
Digging Depth (§)	mm	124	124	124	124	124	124
	in	4.9"	4.9"	4.9"	4.9"	4.9"	4.9"
Overall Length	mm	8604	8829	8691	8916	8710	8935
	ft/in	28'3"	29'0"	28'7"	29'4"	28'7"	29'4"
Overall Height with Bucket at Maximum Lift	mm	5902	5902	5902	5902	5874	5874
	ft/in	19'5"	19'5"	19'5"	19'5"	19'4"	19'4"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	14 733	14 905	14 778	14 951	14 787	14 961
	ft/in	48'5"	48'11"	48'6"	49'1"	48'7"	49'1"
Static Tipping Load, Straight (ISO)*	kg	16 833	16 652	16 635	16 453	16 631	16 447
	lb	37,101	36,701	36,664	36,262	36,655	36,249
Static Tipping Load, Straight (Rigid Tire)*	kg	18 062	17 877	17 855	17 669	17 875	17 687
	lb	39,809	39,401	39,353	38,943	39,397	38,983
Static Tipping Load, Articulated (ISO)*	kg	14 821	14 638	14 636	14 452	14 622	14 436
	lb	32,666	32,262	32,259	31,853	32,227	31,817
Static Tipping Load, Articulated (Rigid Tire)*	kg	16 021	15 836	15 828	15 642	15 837	15 649
	lb	35,311	34,903	34,886	34,476	34,906	34,492
Breakout Force** (§)	kN	185	183	173	171	170	168
	lb	41,695	41,326	38,984	38,618	38,277	37,912
Operating Weight*	kg	24 133	24 270	24 189	24 326	24 229	24 366
	lb	53,188	53,492	53,311	53,615	53,399	53,703

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, open differential axles (front/rear), power train guard, secondary steering, and sound suppression.

** Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

*** Rock bucket specifications are given on Michelin 26.5R25 XLDD2 L5 Radial tires.

**** Roading bucket specifications are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, roading counterweight, roading fenders, Product Link, limited slip differential axles (front/rear), power train guard, secondary steering, and sound suppression.

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

(ISO) Full compliance to ISO 14397-1 (2007) Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

966K Wheel Loader

Operating Specifications

Bucket Type		General Purpose – Fusion QC					
Edge Type		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m ³	3.80	3.80	4.20	4.20	4.60	4.60
	yd ³	4.97	4.97	5.49	5.49	6.02	6.02
Capacity – Struck (§)	m ³	3.24	3.24	3.80	3.80	4.05	4.05
	yd ³	4.24	4.24	4.97	4.97	5.30	5.30
Width (§)	mm	3220	3271	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"	10'6"	10'8"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	3038	2886	2960	2806	2947	2793
	ft/in	9'11"	9'5"	9'8"	9'2"	9'8"	9'1"
Reach at Maximum Lift and 45° Discharge (§)	mm	1362	1501	1433	1571	1436	1573
	ft/in	4'5"	4'11"	4'8"	5'1"	4'8"	5'1"
Reach at Level Lift Arm and Bucket Level (§)	mm	2783	2988	2893	3097	2903	3108
	ft/in	9'1"	9'9"	9'5"	10'1"	9'6"	10'2"
Digging Depth (§)	mm	124	124	116	116	123	123
	in	4.9"	4.9"	4.5"	4.5"	4.8"	4.8"
Overall Length	mm	8637	8862	8739	8965	8755	8980
	ft/in	28'5"	29'1"	28'9"	29'5"	28'9"	29'6"
Overall Height with Bucket at Maximum Lift	mm	5803	5803	5960	5960	6038	6038
	ft/in	19'1"	19'1"	19'7"	19'7"	19'10"	19'10"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	14 743	14 917	14 794	14 970	14 804	14 981
	ft/in	48'5"	49'0"	48'7"	49'2"	48'7"	49'2"
Static Tipping Load, Straight (ISO)*	kg	16 279	16 099	16 015	15 834	16 131	15 947
	lb	35,880	35,483	35,297	34,898	35,553	35,148
Static Tipping Load, Straight (Rigid Tire)*	kg	17 471	17 287	17 204	17 020	17 364	17 176
	lb	38,506	38,101	37,918	37,512	38,271	37,857
Static Tipping Load, Articulated (ISO)*	kg	14 292	14 111	14 047	13 865	14 136	13 950
	lb	31,501	31,100	30,961	30,558	31,156	30,747
Static Tipping Load, Articulated (Rigid Tire)*	kg	15 460	15 276	15 214	15 029	15 344	15 156
	lb	34,074	33,670	33,531	33,125	33,819	33,405
Breakout Force** (§)	kN	180	179	166	164	164	163
	lb	40,632	40,264	37,382	37,023	37,007	36,644
Operating Weight*	kg	24 498	24 636	24 561	24 699	24 675	24 813
	lb	53,992	54,296	54,132	54,436	54,383	54,687

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, open differential axles (front/rear), power train guard, secondary steering, and sound suppression.

** Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

*** Rock bucket specifications are given on Michelin 26.5R25 XLDD2 L5 Radial tires.

**** Roading bucket specifications are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, roading counterweight, roading fenders, Product Link, limited slip differential axles (front/rear), power train guard, secondary steering, and sound suppression.

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

(ISO) Full compliance to ISO 14397-1 (2007) Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

966K Wheel Loader

Operating Specifications

Bucket Type		Rock – Pin On ***		Light Material – Pin On	Light Material – Fusion QC	Rooding Specifications****		High Lift Change in Specs
						Material Handling with Backgrading Edge – Pin On	Material Handling – Pin On	
Edge Type		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Bolt-On Edges	Teeth	Bolt-On Edges	
Capacity – Rated (\$)	m³	3.40	3.40	7.10	7.10	4.20	4.20	
	yd³	4.45	4.45	9.29	9.29	5.49	5.49	
Capacity – Struck (\$)	m³	2.90	2.90	6.20	6.20	3.56	3.70	
	yd³	3.79	3.79	8.11	8.11	4.66	4.84	
Width (\$)	mm	3252	3252	3447	3447	3000	2995	
	ft/in	10'8"	10'8"	11'3"	11'3"	9'10"	9'9"	
Dump Clearance at Maximum Lift and 45° Discharge (\$)	mm	3124	3026	2625	2597	3020	2969	558
	ft/in	10'2"	9'11"	8'7"	8'6"	9'10"	9'8"	1'9"
Reach at Maximum Lift and 45° Discharge (\$)	mm	1454	1576	1583	1630	1428	1441	
	ft/in	4'9"	5'2"	5'2"	5'4"	4'8"	4'8"	
Reach at Level Lift Arm and Bucket Level (\$)	mm	2818	2974	3252	3305	2846	2889	404
	ft/in	9'2"	9'9"	10'8"	10'10"	9'4"	9'5"	1'3"
Digging Depth (\$)	mm	68	68	140	126	94	124	–25
	in	2.7"	2.7"	5.5"	4.9"	3.7"	4.9"	–1"
Overall Length	mm	8656	8817	9117	9160	8652	8720	788
	ft/in	28'5"	28'12"	29'11"	30'1"	28'5"	28'8"	2'7"
Overall Height with Bucket at Maximum Lift	mm	5845	5845	6071	6311	5939	5939	559
	ft/in	19'3"	19'3"	19'11"	20'9"	19'6"	19'6"	1'10"
Loader Clearance Circle with Bucket at Carry Position (\$)	mm	14 813	14 901	15 214	15 232	14 557	14 598	481
	ft/in	48'8"	48'11"	49'11"	50'0"	47'10"	47'11"	1'7"
Static Tipping Load, Straight (ISO)*	kg	17 057	16 988	15 930	15 134	16 271	16 177	170
	lb	37,594	37,441	35,111	33,357	35,863	35,655	376
Static Tipping Load, Straight (Rigid Tire)*	kg	18 293	18 222	17 192	16 375	17 431	17 328	115
	lb	40,318	40,162	37,891	36,091	38,419	38,192	254
Static Tipping Load, Articulated (ISO)*	kg	15 004	14 934	13 955	13 180	14 365	14 278	–11
	lb	33,068	32,914	30,757	29,048	31,660	31,470	–26
Static Tipping Load, Articulated (Rigid Tire)*	kg	16 213	16 142	15 189	14 399	15 495	15 400	–54
	lb	35,734	35,578	33,478	31,736	34,151	33,943	–120
Breakout Force** (\$)	kN	186	185	129	124	173	168	–14
	lb	41,828	41,704	29,095	27,969	39,033	37,813	–3,167
Operating Weight*	kg	25 011	25 063	24 496	25 130	23 518	23 533	1726
	lb	55,125	55,239	53,989	55,387	51,832	51,866	3,803

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, open differential axles (front/rear), power train guard, secondary steering, and sound suppression.

** Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

*** Rock bucket specifications are given on Michelin 26.5R25 XLDD2 L5 Radial tires.

**** Rooding bucket specifications are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, roading counterweight, roading fenders, Product Link, limited slip differential axles (front/rear), power train guard, secondary steering, and sound suppression.

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

(ISO) Full compliance to ISO 14397-1 (2007) Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

966K Wheel Loader

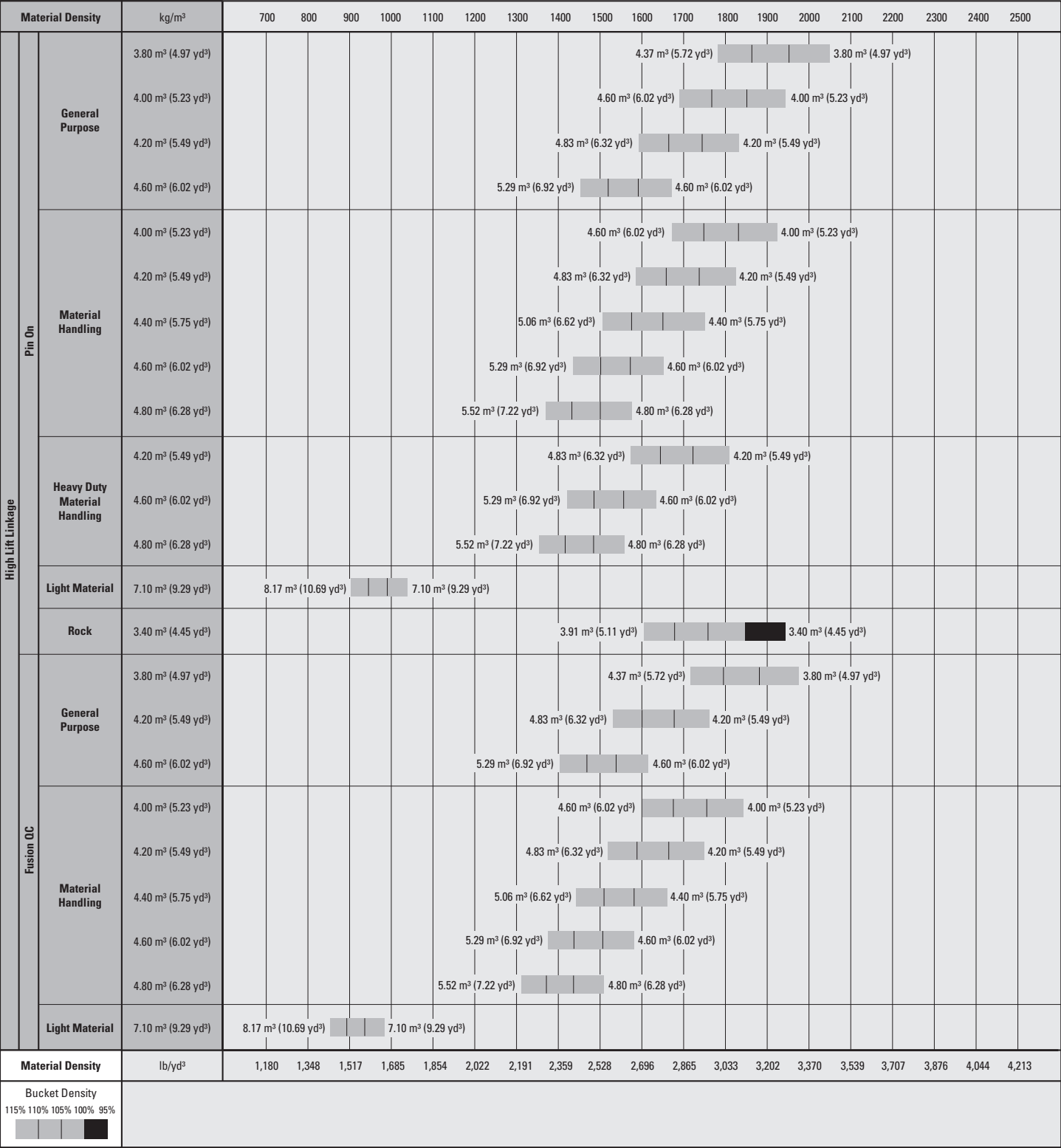
Bucket Selection Chart

Material Density			kg/m³	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
Standard Linkage	Pin On	General Purpose	3.80 m³ (4.97 yd³)											4.37 m³ (5.72 yd³)				3.80 m³ (4.97 yd³)				
			4.00 m³ (5.23 yd³)										4.60 m³ (6.02 yd³)				4.00 m³ (5.23 yd³)					
			4.20 m³ (5.49 yd³)									4.83 m³ (6.32 yd³)				4.20 m³ (5.49 yd³)						
			4.60 m³ (6.02 yd³)							5.29 m³ (6.92 yd³)				4.60 m³ (6.02 yd³)								
		Material Handling	4.00 m³ (5.23 yd³)											4.60 m³ (6.02 yd³)				4.00 m³ (5.23 yd³)				
			4.20 m³ (5.49 yd³)										4.83 m³ (6.32 yd³)				4.20 m³ (5.49 yd³)					
	4.40 m³ (5.75 yd³)									5.06 m³ (6.62 yd³)				4.40 m³ (5.75 yd³)								
	4.60 m³ (6.02 yd³)								5.29 m³ (6.92 yd³)				4.60 m³ (6.02 yd³)									
	4.80 m³ (6.28 yd³)							5.52 m³ (7.22 yd³)				4.80 m³ (6.28 yd³)										
	Heavy Duty Material Handling	4.20 m³ (5.49 yd³)										4.83 m³ (6.32 yd³)				4.20 m³ (5.49 yd³)						
		4.60 m³ (6.02 yd³)								5.29 m³ (6.92 yd³)				4.60 m³ (6.02 yd³)								
		4.80 m³ (6.28 yd³)								5.52 m³ (7.22 yd³)				4.80 m³ (6.28 yd³)								
	Light Material	7.10 m³ (9.29 yd³)	8.17 m³ (10.69 yd³)				7.10 m³ (9.29 yd³)															
	Rock	3.40 m³ (4.45 yd³)										3.91 m³ (5.11 yd³)					3.40 m³ (4.45 yd³)					
	Fusion QC	General Purpose	3.80 m³ (4.97 yd³)												4.37 m³ (5.72 yd³)				3.80 m³ (4.97 yd³)			
4.20 m³ (5.49 yd³)												4.83 m³ (6.32 yd³)				4.20 m³ (5.49 yd³)						
4.60 m³ (6.02 yd³)										5.29 m³ (6.92 yd³)				4.60 m³ (6.02 yd³)								
Material Handling		4.00 m³ (5.23 yd³)											4.60 m³ (6.02 yd³)				4.00 m³ (5.23 yd³)					
		4.20 m³ (5.49 yd³)										4.83 m³ (6.32 yd³)				4.20 m³ (5.49 yd³)						
		4.40 m³ (5.75 yd³)								5.06 m³ (6.62 yd³)				4.40 m³ (5.75 yd³)								
		4.60 m³ (6.02 yd³)								5.29 m³ (6.92 yd³)				4.60 m³ (6.02 yd³)								
		4.80 m³ (6.28 yd³)								5.52 m³ (7.22 yd³)				4.80 m³ (6.28 yd³)								
Light Material	7.10 m³ (9.29 yd³)	8.17 m³ (10.69 yd³)				7.10 m³ (9.29 yd³)																
Material Density			lb/yd³	1,180	1,348	1,517	1,685	1,854	2,022	2,191	2,359	2,528	2,696	2,865	3,033	3,202	3,370	3,539	3,707	3,876	4,044	4,213
Bucket Density																						
115% 110% 105% 100% 95%																						

All buckets are showing Bolt-On Edges.
Material Handling buckets are flat floor buckets.

966K Wheel Loader

Bucket Selection Chart



All buckets are showing Bolt-On Edges.
Material Handling buckets are flat floor buckets.

966K Wheel Loader

Bucket Selection Chart

Material Density			kg/m³																				
				700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	
Roading	Pin On	Material Handling	4.20 m³ (5.49 yd³)																				
Material Density			lb/yd³	1,180	1,348	1,517	1,685	1,854	2,022	2,191	2,359	2,528	2,696	2,865	3,033	3,202	3,370	3,539	3,707	3,876	4,044	4,213	
Bucket Density																							
115% 110% 105% 100% 95%																							

All buckets are showing Bolt-On Edges.
Material Handling buckets are flat floor buckets.

Bucket Fill Factors

(as a % of ISO Rated Capacity)

Loose Material		Performance Series Bucket
Earth/Clay		115
Sand and Gravel		115
Aggregate:	25-76 mm (1 to 3 in)	110
	19 mm (0.75 in) and smaller	105
Rock		100