

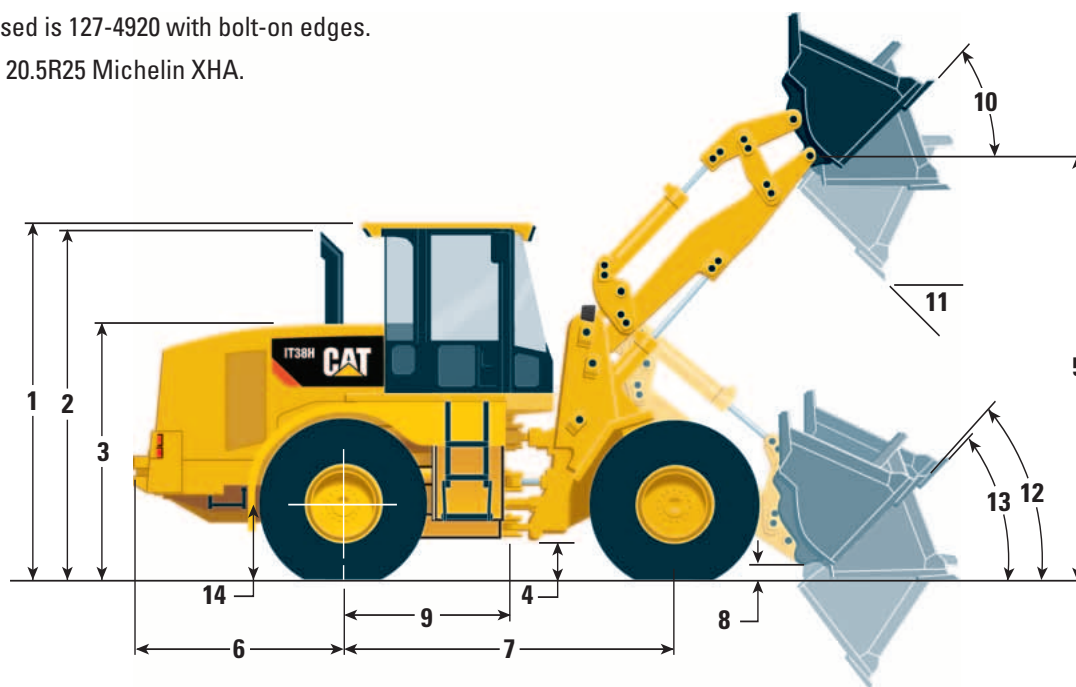
IT38H Integrated Toolcarrier

Dimensions

All dimensions are approximate and may vary with work tool.

Bucket used is 127-4920 with bolt-on edges.

Tires are 20.5R25 Michelin XHA.



1	Height to top of ROPS	3356 mm	11'0"
2	Height to top of exhaust pipe	3099 mm	10'2"
3	Height to top of hood	2415 mm	7'11"
4	Ground clearance (see chart for other tires)	397 mm	1'3"
5	B-pin height @ maximum lift	3933 mm	12'10"
6	Center line of rear axle to edge of counterweight	1954 mm	6'4"
7	Wheelbase	3020 mm	9'10"

8	B-pin height @ carry position	235 mm	0'9"
9	Center line of rear axle to hitch	1510 mm	4'11"
10	Rack back @ maximum lift	45°	
11	Dump angle @ maximum lift	45°	
12	Rack back @ carry	46°	
13	Rack back @ ground	48°	
14	Height to center line of axle	688 mm	2'3"

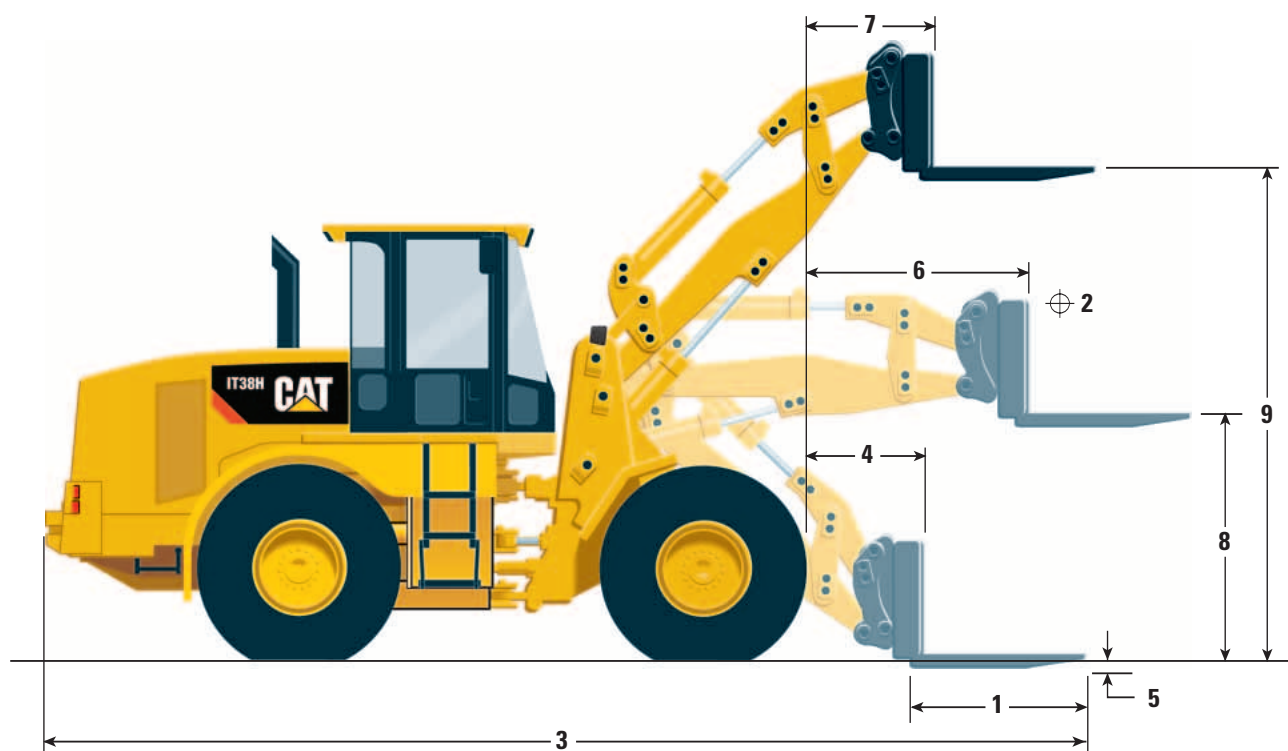
Tires

		Width over tires – maximum (loaded)		Change in vertical dimensions		Change in operating weight without ballast		Change in static tipping load – straight		Change in static tipping load – articulated	
		mm	inches	mm	inches	kg	lb	kg	lb	kg	lb
20.5-R25 XTLA L2	Michelin	2603	102	-16	-1	-170	-376	-98	-217	-86	-189
20.5-R25 XHA L3	Michelin	2674	105	0	0	0	0	0	0	0	0
20.5 R25 GP2B L3	Goodyear	2619	103	+6	0	-53	-116	-30	-67	-27	-58
20.5 R25 HRL L3	Goodyear	2618	103	+23	+1	-48	-107	-28	-62	-24	-54
20.5 R25 RL-2+ L3	Goodyear	2609	103	+12	0	+13	+28	+7	+16	+6	+14
650/65R-25 XLD L3	Michelin	2733	108	0	0	+519	+1145	+301	+663	+262	+578
20.5-25 SRG LD L3	Firestone – 16 PLY	2558	101	+8	0	-242	-533	-140	-308	-122	-268
20.5-25 SRG LD L3	Firestone – 20 PLY	2556	101	+11	0	-174	-384	-101	-222	-88	-194
20.5-25 RM 99 L3	Pirelli	2540	100	+8	0	-58	-129	-34	-74	-29	-65

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Dimensions – Forks

All dimensions are approximate.

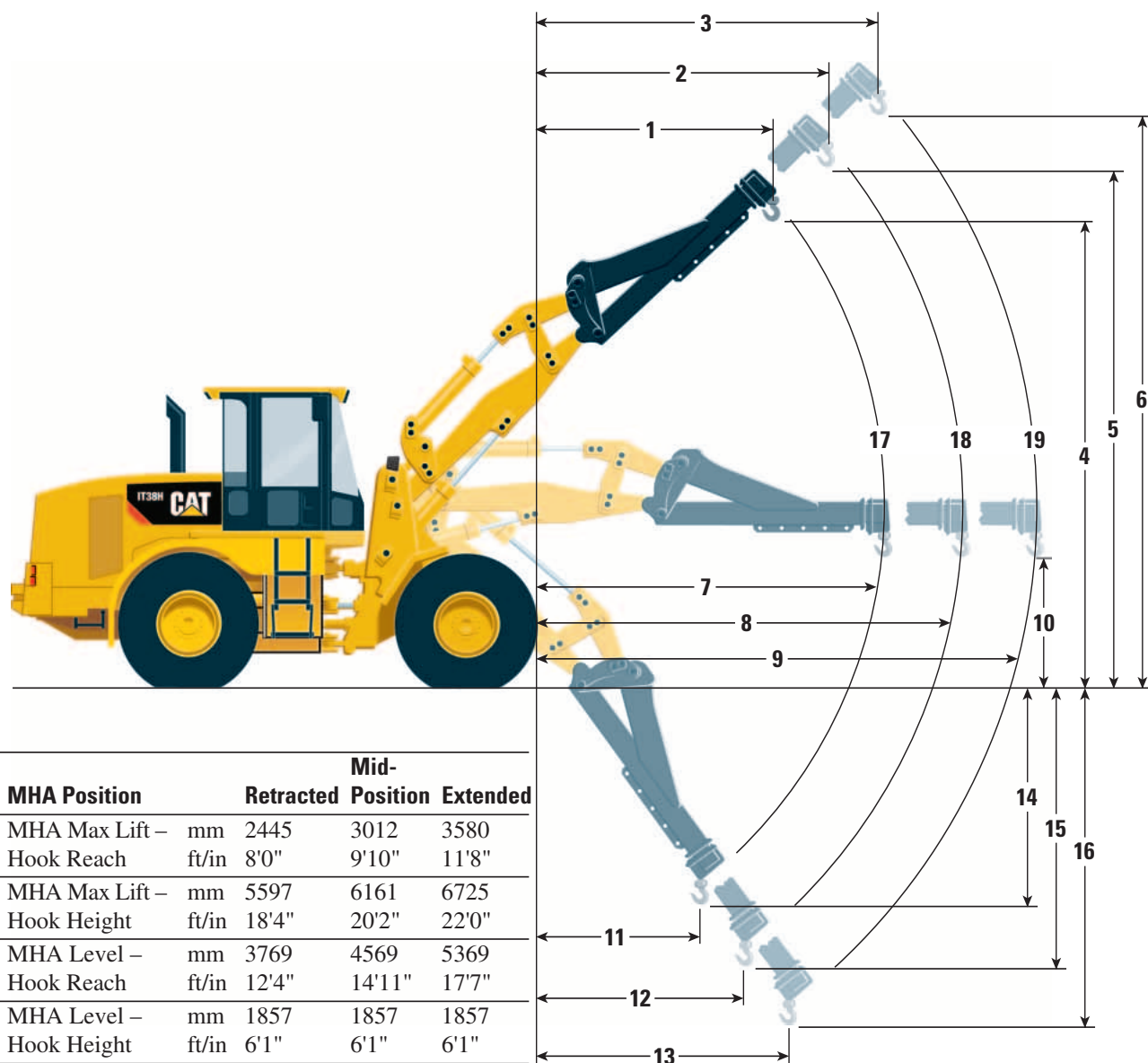


1 Fork Tine Length	mm	1524	1524
	in	60	60
2 Load Center	mm	610	762
	in	24	30
Tipping Load – Forks Level Straight	kg	8866	8453
	lb	19,540	18,631
Tipping Load – Forks Level Articulated	kg	7680	7323
	lb	16,926	16,140
Rated Load (SAE J1197)	kg	3840	3662
	lb	8,463	8,070
Rated Load (CEN 474-3 Firm and Level Ground)	kg	6144	5859
	lb	13,541	12,912
3 Maximum Overall Length	mm	8345	
	ft/in	27'4"	
4 Reach with Forks at Ground Level	mm	1097	
	ft/in	3'7"	
5 Ground to Top of Tine at Minimum Height and Fork Level	mm	85	
	in	3	
6 Reach with Arms Horizontal and Forks Level	mm	1632	
	ft/in	5'4"	
7 Reach with Fork at Maximum Height	mm	903	
	ft/in	2'11"	
8 Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1692	
	ft/in	5'6"	
9 Ground to Top of Tine at Maximum Height and Fork Level	mm	3545	
	ft/in	11'7"	
Operating Weight	kg	15 741	
	lb	34,693	

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Dimensions – Material Handling Arm

All dimensions are approximate.



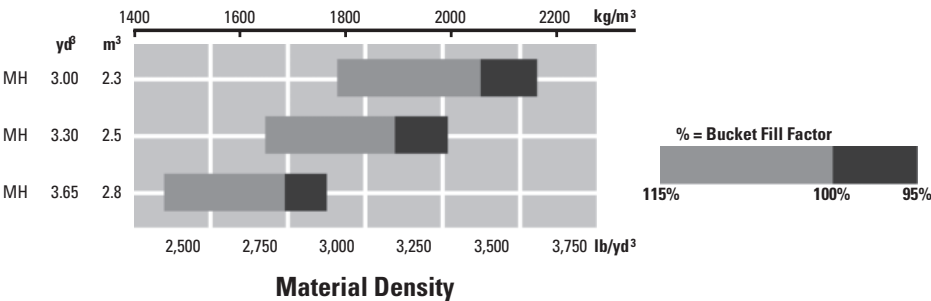
MHA Position			Retracted	Mid-Position	Extended
1, 2, 3	MHA Max Lift – Hook Reach	mm	2445	3012	3580
		ft/in	8'0"	9'10"	11'8"
4, 5, 6	MHA Max Lift – Hook Height	mm	5597	6161	6725
		ft/in	18'4"	20'2"	22'0"
7, 8, 9	MHA Level – Hook Reach	mm	3769	4569	5369
		ft/in	12'4"	14'11"	17'7"
10	MHA Level – Hook Height	mm	1857	1857	1857
		ft/in	6'1"	6'1"	6'1"
11, 12, 13	MHA Min Lift – Hook Reach	mm	1809	2279	2749
		ft/in	5'11"	7'5"	9'0"
14, 15, 16	MHA Min Lift – Hook Height	mm	1983	2630	3278
		ft/in	6'5"	8'4"	10'2"
17, 18, 19	Static Tipping Load, Articulated	kg	5261	4462	3869
		lb	11,594	9,833	8,527
17, 18, 19	Rated Load (SAE J1197)	kg	2630	2231	1934
		lb	5,797	4,917	4,263
	Operating Weight	kg	15 514	15 514	15 514
		lb	34,192	34,192	34,192

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Operation Specifications

		Material Handling Buckets					
		Bolt-on edges	Teeth and segments	Teeth	Bolt-on edges	Teeth and segments	Teeth
Rated capacity	m³	2.34	2.34	2.21	2.53	2.53	2.41
	yd³	3.00	3.00	2.85	3.30	3.30	3.15
Struck capacity	m³	1.89	1.89	1.79	2.06	2.06	1.96
	yd³	2.47	2.47	2.34	2.69	2.69	2.56
Width	mm	2708	2777	2777	2708	2777	2777
	ft/in	8'10"	9'1"	9'1"	8'10"	9'1"	9'1"
Dump clearance at full lift and 45° discharge	mm	2805	2693	2693	2805	2693	2693
	ft/in	9'2"	8'10"	8'10"	9'2"	8'10"	8'10"
Dump reach at full lift and 45° discharge	mm	1152	1243	1243	1152	1243	1243
	ft/in	3'9"	4'0"	4'0"	3'9"	4'0"	4'0"
Reach with lift level arm, level tool	mm	2475	2618	2618	2475	2618	2618
	ft/in	8'1"	8'7"	8'7"	8'1"	8'7"	8'7"
Digging depth	mm	66	66	41	66	66	41
	in	2.6"	2.6"	1.62"	2.6"	2.6"	1.62"
Overall length	mm	7543	7699	7699	7543	7699	7699
	ft/in	24'8"	25'3"	25'3"	24'8"	25'3"	25'3"
Overall height with tool at full raise	mm	5119	5119	5119	5235	5235	5235
	ft/in	16'9"	16'9"	16'9"	17'2"	17'2"	17'2"
Loader clearance circle with tool in carry position	mm	12 136	12 303	12 303	12 136	12 303	12 303
	ft/in	39'9"	40'4"	40'4"	39'9"	40'4"	40'4"
Static tipping load, straight	kg	10 849	10 763	10 968	10 843	10 757	10 962
	lb	23,911	23,721	24,174	23,898	23,708	24,161
Static tipping load, articulated	kg	9371	9285	9478	9362	9275	9468
	lb	20,654	20,464	20,890	20,633	20,442	20,869
Breakout force	kN	125.7	125.1	134.1	125.5	124.9	133.9
	lb	28,239	28,115	30,135	28,185	28,061	30,078
Operating weight	kg	15 975	16043	15950	16 004	16 072	15 979
	lb	35,209	35,358	35,154	35,273	35,422	35,217
Reach at 2134 mm (7'0") height, 45° dumped	mm	1611	1644	1644	1611	1644	1644
	ft/in	5'3"	5'4"	5'4"	5'3"	5'4"	5'4"
Clearance at full raise and dump, on stops	mm	2802	2690	2690	2802	2690	2690
	ft/in	9'2"	8'9"	8'9"	9'2"	8'9"	8'9"
Dump angle at full raise and dump, on stops	degrees	45.2	45.2	45.2	45.2	45.2	45.2
Rated payload	kg	4806	4761	4861	4801	4756	4856
	lb	10,592	10,494	10,713	10,581	10,483	10,702

Pin-On Bucket Selection Guide



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Bolt-on edges	Teeth and segments	Teeth
2.80	2.80	2.65
3.65	3.65	3.50
2.30	2.30	2.16
3.01	3.01	2.83
2708	2777	2777
8'10"	9'1"	9'1"
2733	2621	2621
8'11"	8'7"	8'7"
1224	1315	1315
4'0"	4'3"	4'3"
2577	2720	2720
8'5"	8'11"	8'11"
66	66	41
2.6"	2.6"	1.61"
7644	7800	7800
25'0"	25'7"	25'7"
5295	5295	5295
17'4"	17'4"	17'4"
12 196	12 364	12 364
40'0"	40'6"	40'6"
10 638	10 551	10 754
23,446	23,253	23,701
9175	9088	9279
20,222	20,029	20,452
114.9	114.3	122.0
25,817	25,691	27,417
16048	16115	16022
35,369	35,518	35,313
1647	1676	1676
5'4"	5'5"	5'5"
2730	2618	2618
8'11"	8'7"	8'7"
45.2	45.2	45.2
4705	4660	4759
10,370	10,272	10,488