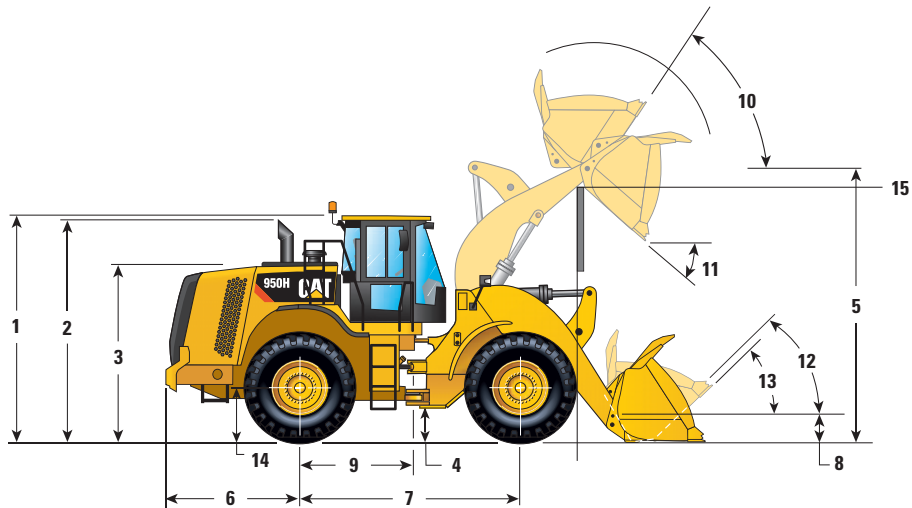


# 950H Wheel Loaders

## 950H Dimensions

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



<b>1</b> Height to top of ROPS/FOPS	3461 mm	11'4"
<b>2</b> Height to top of exhaust pipe	3278 mm	10'8"
<b>3</b> Height to top of hood	2448 mm	8'0"
<b>4</b> Ground clearance with 23.5R25	397 mm	1'3"
<b>5</b> B-Pin height – standard	3992 mm	13'1"
B-Pin height – high-lift	4490 mm	14'7"
<b>6</b> Center line of rear axle to edge of counterweight	2001 mm	6.6"
<b>7</b> Wheelbase	3350 mm	11'0"
<b>8</b> B-Pin height @ carry – standard	624 mm	2'0"
B-Pin height @ carry – high lift	748 mm	2'5"
<b>9</b> Center line of rear axle to hitch	1675 mm	5'5"
<b>10</b> Rack back @ maximum lift	59.5 degrees	
<b>11</b> Dump angle @ maximum lift	48.2 degrees	
<b>12</b> Rack back @ carry	49.4 degrees	
<b>13</b> Rack back @ ground	41 degrees	
<b>14</b> Height to center line of axle	748 mm	2'5"
<b>15</b> Lift arm clearance @ standard lift	3916 mm	12'8"
Lift arm clearance @ high lift	4414 mm	14'5"

## Tires

Tread width for 23.5-25 is 2140 mm (7'0")

	Width over tires		Change in vertical dimensions		Change in operating weight		Change in static tipping load	
	mm	inches	mm	inches	kg	lb	kg	lb
23.5R25 VSW BS L2 Radial	2862	113	6	0.2	20	44	14	31
23.5R25 VUT D2A BS L2 Radial	2866	113	10	0.4	-41	-90	-29	-64
23.5R25 XTLA MX L2 Radial	2801	110	7	0.3	-112	-247	-79	-174
23.5R25 VMT BS L3 Radial	2851	112	3	0.1	124	273	88	194
23.5R25 XHA MX L3 Radial	2784	110	0	0.0	0	0	0	0
23.5R25 XMINE MX L5 Radial	2807	111	26	1.0	872	1,923	619	1,365
750/65R25 XLD MX L3 Radial	2879	113	7	0.3	460	1,014	326	719
23.5-25 SGGL FS L2 Bias	2834	112	14	0.6	-472	-1,041	-335	-739

# 950H Wheel Loaders

## 950H Operating Specifications – Standard

Bucket Type		General Purpose – Pin On					
		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m <sup>3</sup>	2.70	2.70	3.10	3.10	3.40	3.40
	yd <sup>3</sup>	3.53	3.53	4.05	4.05	4.45	4.45
Capacity – Rated @ 110% Fill Factor	m <sup>3</sup>	3.00	3.00	3.40	3.40	3.70	3.70
	yd <sup>3</sup>	3.90	3.90	4.50	4.50	4.90	4.90
Width (§)	mm	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	2936	2821	2856	2738	2791	2672
	ft/in	9'7"	9'3"	9'4"	8'11"	9'1"	8'9"
Reach at Maximum Lift and 45° Discharge (§)	mm	1263	1377	1319	1430	1371	1481
	ft/in	4'1"	4'6"	4'3"	4'8"	4'5"	4'10"
Reach at Level Lift Arm and Bucket Level (§)	mm	2527	2688	2627	2788	2712	2873
	ft/in	8'3"	8'9"	8'7"	9'1"	8'10"	9'5"
Digging Depth (§)	mm	89	89	89	89	89	89
	in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Overall Length	mm	7961	8135	8061	8235	8146	8320
	ft/in	26'2"	26'9"	26'6"	27'1"	26'9"	27'4"
Overall Height with Bucket at Maximum Lift	mm	5363	5363	5325	5325	5529	5529
	ft/in	17'8"	17'8"	17'6"	17'6"	18'2"	18'2"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 301	13 464	13 356	13 519	13 403	13 567
	ft/in	43'8"	44'3"	43'10"	44'5"	44'0"	44'7"
Static Tipping Load, Straight (ISO)*	kg	12 701	12 562	12 515	12 375	12 355	12 214
	lb	27,993	27,688	27,584	27,275	27,230	26,919
Static Tipping Load, Straight (No Tire Deflection)*	kg	13 424	13 284	13 242	13 101	13 085	12 943
	lb	29,586	29,279	29,186	28,875	28,841	28,526
Static Tipping Load, Articulated (ISO)*	kg	10 986	10 848	10 811	10 671	10 659	10 518
	lb	24,214	23,909	23,827	23,519	23,494	23,182
Static Tipping Load, Articulated (No Tire Deflection)*	kg	11 711	11 571	11 540	11 398	11 392	11 249
	lb	25,812	25,504	25,434	25,122	25,108	24,793
Breakout Force** (§)	kN	163	162	150	149	140	138
	lb	36,840	36,573	33,756	33,491	31,477	31,214
Operating Weight*	kg	18 231	18 339	18 320	18 428	18 395	18 503
	lb	40,180	40,418	40,376	40,614	40,541	40,779

\* Static tipping loads and operating weights shown are based on a global machine configuration with Michelin 23.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, standard linkage, 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.

(§) 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.

(No Tire Deflection) Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

# 950H Wheel Loaders

## 950H Operating Specifications – Standard

Bucket Type		Material Handling – Pin On					
		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m <sup>3</sup>	3.20	3.20	3.40	3.40	3.60	3.60
	yd <sup>3</sup>	4.19	4.19	4.45	4.45	4.71	4.71
Capacity – Rated @ 110% Fill Factor	m <sup>3</sup>	3.50	3.50	3.70	3.70	4.00	4.00
	yd <sup>3</sup>	4.60	4.60	4.90	4.90	5.20	5.20
Width (§)	mm	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	2756	2631	2721	2596	2686	2560
	ft/in	9'0"	8'7"	8'11"	8'6"	8'9"	8'4"
Reach at Maximum Lift and 45° Discharge (§)	mm	1255	1358	1291	1393	1326	1428
	ft/in	4'1"	4'5"	4'2"	4'6"	4'4"	4'8"
Reach at Level Lift Arm and Bucket Level (§)	mm	2672	2833	2722	2883	2772	2933
	ft/in	8'9"	9'3"	8'11"	9'5"	9'1"	9'7"
Digging Depth (§)	mm	97	97	97	97	97	97
	in	3.8"	3.8"	3.8"	3.8"	3.8"	3.8"
Overall Length	mm	8112	8286	8162	8336	8212	8386
	ft/in	26'8"	27'3"	26'10"	27'5"	27'0"	27'7"
Overall Height with Bucket at Maximum Lift	mm	5490	5490	5539	5539	5589	5589
	ft/in	18'1"	18'1"	18'3"	18'3"	18'5"	18'5"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 387	13 551	13 415	13 580	13 443	13 608
	ft/in	44'0"	44'6"	44'1"	44'7"	44'2"	44'8"
Static Tipping Load, Straight (ISO)*	kg	12 307	12 168	12 214	12 074	12 127	11 986
	lb	27,125	26,818	26,921	26,612	26,729	26,418
Static Tipping Load, Straight (No Tire Deflection)*	kg	13 020	12 879	12 929	12 787	12 845	12 702
	lb	28,696	28,386	28,497	28,184	28,311	27,997
Static Tipping Load, Articulated (ISO)*	kg	10 624	10 485	10 536	10 396	10 454	10 312
	lb	23,417	23,109	23,223	22,914	23,040	22,729
Static Tipping Load, Articulated (No Tire Deflection)*	kg	11 340	11 199	11 254	11 112	11 174	11 031
	lb	24,993	24,683	24,804	24,492	24,628	24,313
Breakout Force** (§)	kN	144	143	138	137	133	132
	lb	32,489	32,223	31,199	30,934	29,997	29,733
Operating Weight*	kg	18 352	18 460	18 400	18 508	18 446	18 554
	lb	40,446	40,684	40,552	40,790	40,653	40,892

\* Static tipping loads and operating weights shown are based on a global machine configuration with Michelin 23.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, standard linkage, 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.

(§) 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.

(No Tire Deflection) Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

# 950H Wheel Loaders

## 950H Operating Specifications

		High Lift Change in Specs
Capacity – Rated (§)	m <sup>3</sup> yd <sup>3</sup>	
Capacity – Rated @ 110% Fill Factor	m <sup>3</sup> yd <sup>3</sup>	
Width (§)	mm ft/in	
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm ft/in	495 1'7"
Reach at Maximum Lift and 45° Discharge (§)	mm ft/in	67 0'2"
Reach at Level Lift Arm and Bucket Level (§)	mm ft/in	405 1'3"
Digging Depth (§)	mm in	21 0.8"
Overall Length	mm ft/in	605 2'0"
Overall Height with Bucket at Maximum Lift	mm ft/in	496 1'8"
Loader Clearance Circle with Bucket at Carry Position (§)	mm ft/in	391 1'4"
Static Tipping Load, Straight (ISO)*	kg lb	(341) (751)
Static Tipping Load, Straight (No Tire Deflection)*	kg lb	(398) (878)
Static Tipping Load, Articulated (ISO)*	kg lb	(416) (917)
Static Tipping Load, Articulated (No Tire Deflection)*	kg lb	(458) (1,011)
Breakout Force** (§)	kN lb	(8) (1,892)
Operating Weight*	kg lb	1271 2,800

\* Static tipping loads and operating weights shown are based on a global machine configuration with Michelin 23.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, standard linkage, 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.

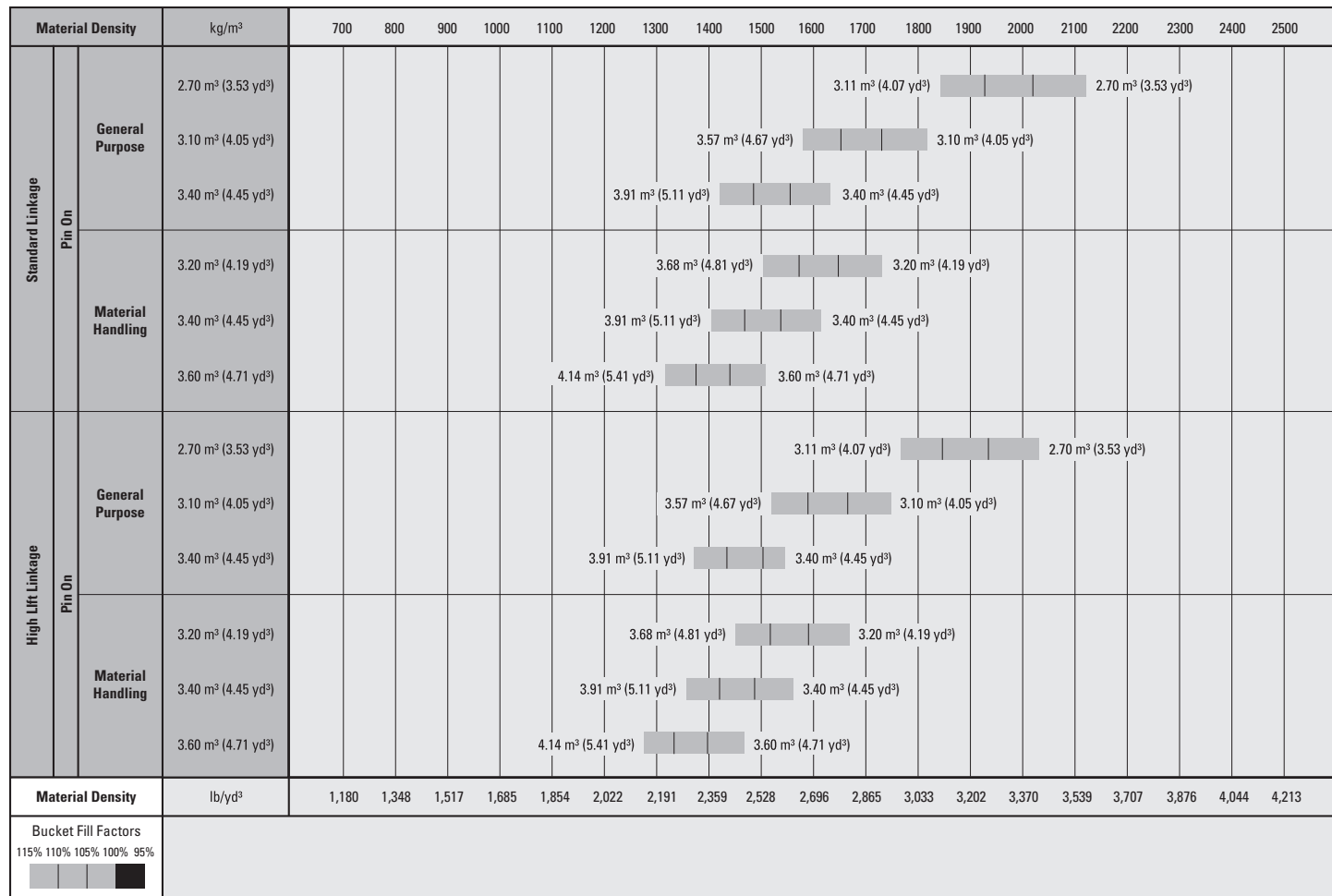
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(No Tire Deflection) Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

# 950H Wheel Loaders

## 950H Bucket Selection Charts



Note: All buckets are showing Bolt-On Edges.

## 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

Note: Fill Factors achieved will also depend on whether the product is washed or not washed.