

990H Wheel Loader

Material Density				Bucket Volume	
kg/m ³	tonnes/m ³	lb/yd ³	tons/yd ³	m ³	yd ³
1483-1614	1.47-1.61	2,500-2,750	1.25-1.38	9.2	12
1638-1801	1.64-1.80	2,700-3,000	1.39-1.50	8.6	11.25

990H Wheel Loader

Operation Specifications: Standard Lift

		990H STD Tires: 45/65R39 XLDD2 Part No. SLR:1203 mm			
Bucket Type		Rock	Rock	Rock	Rock
Ground Engaging Tools		Teeth & Segments	Teeth & Segments	Teeth & Segments	Teeth & Segments
Cutting Edge Type		Spade	Spade	Spade	Spade
Bucket Part No. (Group Level)		255-3757	255-3754	310-9100	283-1880
Bucket Load at Rated Capacity	kg lb	15 000 33,070	15 000 33,070	15 000 33,070	15 000 33,070
Heaped Capacity ISO	m ³ yd ³	8.5 11.1	9.0 11.8	8.5 11.1	8.5 11.1
Struck Capacity ISO	m ³ yd ³	7.0 9.2	7.5 9.9	7.0 9.2	7.0 9.2
Bucket Width	mm ft-in	4450 14'7"	4610 15'1"	4634 15'2"	4450 14'7"
Clearance at Full Lift, 45° Dump	SAE	mm ft-in	4227 13'10"	4171 13'8"	4270 14'0"
	Tooth Tip	mm ft-in	4026 13'2"	3973 13'0"	4012 13'2"
Reach at Full Lift, 45° Dump	SAE	mm ft-in	2024 6'8"	2080 6'10"	1981 6'6"
	Tooth Tip	mm ft-in	2211 7'3"	2264 7'5"	2250 7'5"
Reach @ Level Arm and Level Bucket	SAE	mm ft-in	3951 13'0"	4031 13'3"	3891 12'9"
	Tooth Tip	mm ft-in	4226 13'10"	4301 14'1"	4263 14'0"
Digging Depth	mm ft-in	113 4"	113 4"	113 4"	113 4"
Overall Length	mm ft-in	12 787 41'11"	12 862 42'2"	12 824 42'1"	12 844 42'2"
Overall Height	mm ft-in	8127 26'8"	8127 26'8"	8127 26'8"	8127 26'8"
Clearance Circle @ Carry	Tooth Tip	mm ft-in	20 675 67'10"	20 849 68'5"	20 808 68'3"
Tipping Load	Straight	kg lb	46 827 103,236	46 296 102,064	44 640 98,415
	At Operating Weight Art 35°	kg lb	41 855 92,275	41 344 91,147	39 685 87,491
Breakout Force	kN lb	594.0 133,546	568.5 127,814	603.7 135,706	591.0 132,861
Operating Weight*	kg lb	78 370 172,777	78 655 173,405	80 204 176,820	79 378 174,999

* Static tipping load and operating weight are based on standard machine configuration with 41.25/70-39 42 PR (L-5) tires, full fuel lubricants and operator.

990H Wheel Loader

Operation Specifications: High Lift

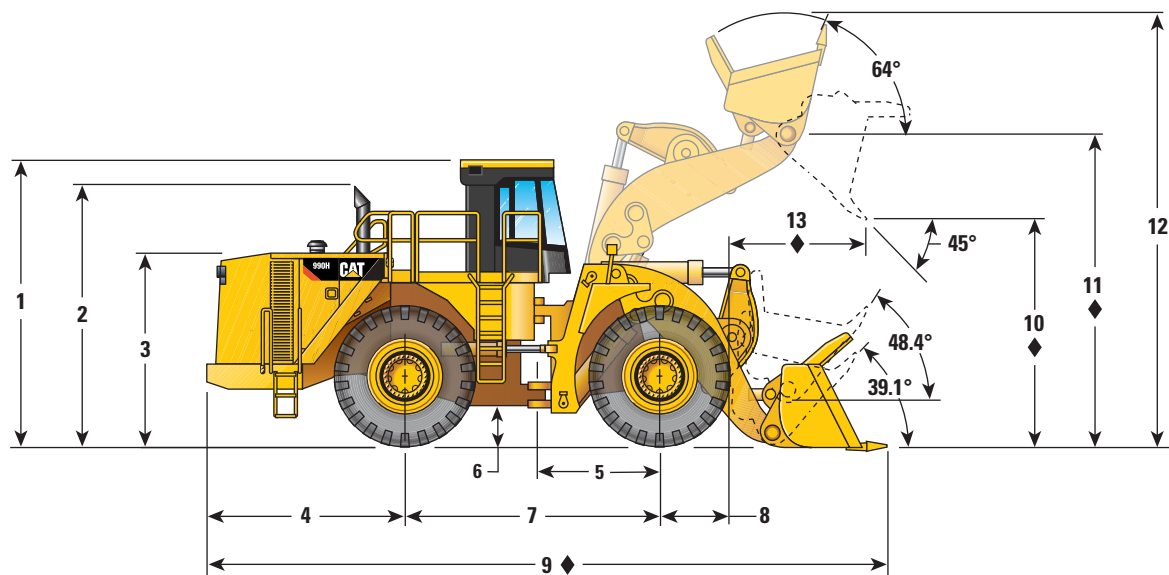
		990H HL Tires: 45/65R39 XLDD2 Part No. SLR:1203 mm		
Bucket Type		Rock	Rock	Rock
Ground Engaging Tools		Teeth & Segments	Teeth & Segments	Teeth & Segments
Cutting Edge Type		Spade	Spade	Spade
Bucket Part No. (Group Level)		255-3757	310-9100	283-1880
Bucket Load at Rated Capacity	kg lb	15 000 33,070	15 000 33,070	15 000 33,070
Heaped Capacity ISO	m³ yd³	8.5 11.1	8.5 11.1	8.5 11.1
Struck Capacity ISO	m³ yd³	7.0 9.2	7.0 9.2	7.0 9.2
Bucket Width	mm ft-in	4450 14'7"	4634 15'2"	4450 14'7"
Clearance at Full Lift, 45° Dump	SAE	mm ft-in	4793 15'9"	4792 15'9"
	Tooth Tip	mm ft-in	4591 15'1"	4542 14'11"
Reach at Full Lift, 45° Dump	SAE	mm ft-in	2318 7'7"	2319 7'7"
	Tooth Tip	mm ft-in	2505 8'3"	2536 8'4"
Reach @ Level Arm and Level Bucket	SAE	mm ft-in	4551 14'11"	4553 14'11"
	Tooth Tip	mm ft-in	4826 15'10"	4883 16'0"
Digging Depth	mm ft-in	155 6"	155 6"	155 6"
Overall Length	mm ft-in	13 526 44'5"	13 563 44'6"	13 583 44'7"
Overall Height	mm ft-in	8693 28'6"	8693 28'6"	8693 28'6"
Clearance Circle @ Carry	Tooth Tip	mm ft-in	21 328 70'0"	21 389 70'2"
Tipping Load	Straight	kg lb	43 178 95,190	42 031 92,663
	At Operating Weight Art 35°	kg lb	38 239 84,303	37 091 81,771
Breakout Force	kN lb	559.9 125,869	568.4 127,787	556.9 125,192
Operating Weight*	kg lb	82 467 181,808	84 301 185,851	83 475 184,030

* Static tipping load and operating weight are based on standard machine configuration with 41.25/70-39 42 PR (L-5) tires, full fuel lubricants and operator.

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Dimensions

All dimensions are approximate.



1 Height to Top of ROPS/FOPS	5070 mm	16 ft 8 in
2 Height to Top of Exhaust Stacks	4726 mm	15 ft 6 in
3 Height to Top of Hood	3515 mm	11 ft 6 in
4 Center Line of Rear Axle to Edge of Rear Bumper	3615 mm	11 ft 10 in
5 Center Line of Front Axle to Hitch	2300 mm	7 ft 7 in
6 Ground Clearance	478 mm	1 ft 7 in
7 Wheel Base Length	4600 mm	15 ft 1 in
8 Center Line Front Axle to Front of Front Tires	1289 mm	4 ft 3 in
9 Overall Length – Standard Lift	12 787 mm	41 ft 11 in
Overall Length – High Lift	13 526 mm	44 ft 5 in
10 Clearance at Maximum Lift/Dump – Standard Lift	4026 mm	13 ft 2 in
Clearance at Maximum Lift/Dump – High Lift	4591 mm	15 ft 1 in
11 B-Pin Height at Full Lift – Standard Lift	5921 mm	19 ft 5 in
B-Pin Height at Full Lift – High Lift	6487 mm	21 ft 4 in
12 Overall Height with Bucket Raised – Standard Lift	8127 mm	26 ft 8 in
Overall Height with Bucket Raised – High Lift	8693 mm	28 ft 6 in
13 Reach at Maximum Lift/Dump – Standard Lift	2211 mm	7 ft 3 in
Reach at Maximum Lift/Dump – High Lift	2505 mm	8 ft 3 in
Turning Circle – Standard Lift	20 675 mm	67 ft 10 in
Turning Circle – High Lift	21 328 mm	70 ft
Straight Static Tipping Load – Standard Lift	46 827 kg	103,236 lb
Straight Static Tipping Load – High Lift	44 152 kg	97,338 lb
Width Over Tires	4071 mm	13 ft 4 in
Full Turn Static Tipping Load at 35° – standard lift	41 855 kg	92,275 lb
Tread Width	3050 mm	10 ft

990H dimensions based on 8.5 m³ (11.1 yd³) bucket with teeth and segments.

◆ Dimensions vary with bucket. Refer to operating specifications charts.