2010 Caterpillar 988H Wheel Loader EL016

Make	Caterpillar			**Model**	988H		
Year	2010	**Hours**	29214			As at	01/12/2019
Mileage				km		As at	
Serial/VIN	CAT0988HVBXY04361			**Engine Serial**			
Details	2010 Caterpillar 988H Wheel Loader / Tool Carrier Asset no EL016. Offered for sale via online auction ex Site Nifty Copper Mine via Telfer Western Australia, running to drive on to buyers transport. See Google Maps link: https://goo.gl/maps/Xvaa3uBAFso9MP7A8						
Asking price	AUD	Under review - call for pricing					
Ex site	Australia, Western Australia, Telfer						

Service history	

For further details, to make an offer or book an inspection, contact
Global Equipment Solutions on Office: 08 9201 1142

ADN Group Management Pty Ltd t/as Global Equipment Solutions
Suite 7 / 401 Oxford Street Mount Hawthorn, Western Australia 6016
PO Box 570, Floreat, 6014 Western Australia
p: +61 (0) 8 9201 1142 | www.g-es.net | email: info@g-es.net
ABN 28 593 584 022 | DL: MD23768

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5.1.3 EL016 CATERPILLAR 988H LOADER

- Currently out of service with head gasket unserviceable.
- Sandvik lip and GET

Asset Number	Model	Serial Number	Current SMU reading (hrs)	All-time SMU
EL016	988H	BXY02343	29214	***26329***
Work Order	**Description**	**Start Date**	**Status**	**Key/Section**
4174368	ENGINE OVER HEATING	21/11/2019	I	ENGINE
4174346	boom keeps dropping		Q	HYD

5.1.4 EL016 SUMMARY

Front line loader, requires approximately $20K spent for service exchange head.

988H
Wheel Loader

Engine		
Engine Model	Cat® C18 ACERT®	
Gross Power	414 kW	555 hp
Net Power – ISO 14396	397 kW	540 hp
Net Power – EEC 80/1269	373 kW	501 hp

Operating Specifications		
Rated Payload	11.4 tonnes	12.5 tons
Operating Weight	50 144 kg	110,549 lb
Buckets		
Bucket Capacities	6.4 m^3-7.7 m^3	8.3 yd^3-10 yd^3

988H Wheel Loader Specifications

Engine

Engine Model	Cat® C18 ACERT®	
Gross Power	414 kW	555 hp
Net Power – ISO 14396	397 kW	540 hp
Net Power – EEC 80/1269	373 kW	501 hp
Net Power – ISO 9249	373 kW	501 hp
Gross Power – ISO 3046-2	388 kW	520 hp
Bore	145 mm	5.7 in
Stroke	183 mm	7.2 in
Displacement	18.1 L	1,104.5 in^3

- These ratings apply at 1,800 rpm when tested under the specific standard conditions for the specified standard.
- Power rating conditions based on standard air conditions of 25° C (77° F) and 99 kPa (29.32 in Hg) dry barometer, using 35° API gravity fuel having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 30° C (86° F) [reference a fuel density of 838.9 g/L (7.001 lb/gal).
- Net power advertised is the power available when the engine is equipped with alternator, air cleaner, muffler and hydraulic fan drive.
- No derating required up to 3048 m (10,000 ft) altitude.
- Direct-electric, 24-volt starting system with 95 amp alternator and four high performance, maintenance-free batteries with 1,900 cold cranking amps.

Operating Specifications

Rated Payload	11.4 tonnes	12.5 tons
Operating Weight	50 144 kg	110,549 lb

Transmission

Converter Drive – Forward 1	6.7 km/h	4.2 mph
Converter Drive – Forward 2	11.8 km/h	7.3 mph
Converter Drive – Forward 3	20.8 km/h	12.9 mph
Converter Drive – Forward 4	36 km/h	22.3 mph
Converter Drive – Reverse 1	7.6 km/h	4.7 mph
Converter Drive – Reverse 2	13.5 km/h	8.4 mph
Converter Drive – Reverse 3	23.7 km/h	14.7 mph
Direct Drive – Forward 1	Lock-up disables	
Direct Drive – Forward 2	12.3 km/h	7.7 mph
Direct Drive – Forward 3	21.9 km/h	13.6 mph
Direct Drive – Forward 4	38.6 km/h	24 mph
Direct Drive – Reverse 1	7.9 km/h	4.9 mph
Direct Drive – Reverse 2	14.1 km/h	8.8 mph
Direct Drive – Reverse 3	25.1 km/h	15.6 mph

- Travel speeds based on two percent rolling resistance and 35/65-33 tires.

Hydraulic Cycle Time

Raise	9.4 Seconds
Dump	2.4 Seconds
Lower Float Down (Empty)	3.8 Seconds
Total Hydraulic Cycle Time	15.6 Seconds

Service Refill Capacities

Fuel Tank	712 L	188 gal
Cooling System	103 L	27.2 gal
Crankcase	60 L	15.9 gal
Transmission	70 L	18.5 gal
Differentials and Final Drives – Front	186 L	49 gal
Differentials and Final Drives – Rear	186 L	49 gal
Hydraulic System (factory fill)	470 L	124.2 gal
Hydraulic System (tank only)	267 L	70.5 gal

Buckets

Bucket Capacities	6.4 m^3-7.7 m^3	8.3 yd^3-10 yd^3
Max. Bucket Capacity	7.7 m^3	10 yd^3

Axles

Maximum Single-Wheel Rise and Fall	568 mm	22.4 in
Front	Fixed	
Rear	Oscillating ±13°	

Brakes

Brakes	Meet SAE ISO 3450:1996

Cab

Cab – ROPS/FOPS	Meets SAE and ISO standards
Sound Performance	Meets ANSI, SAE and ISO standards

- Cat cab with integrated Rollover Protective Structure (ROPS) and Falling Object Protective Structure (FOPS) is standard.
- ROPS meets SAE J1040 APR99 and ISO 3471:1994 criteria.
- FOPS meets SAE J231 JAN81 and ISO 3449:1992 Level II criteria.
- The operator sound exposure Leq (equivalent sound pressure level) measured according to the work cycle procedures specified in ANSI/SAE J1166 OCT98 is 76 dB(A), for the cab offered by Caterpillar, when properly installed, maintained and tested with the doors and windows closed.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in noisy environment.
- The exterior sound pressure level for the standard machine measured at a distance of 15 m (49.2 ft) according to the test procedures specified in SAE J88 JUN86 mid-gear-moving operation is 81 dB(A).
- The machine sound power level is 114 dB(A) measured according to the test procedures and conditions specified in ISO 6395:2008 for standard machine configuration. The measurement was conducted at 70 percent of the maximum engine cooling fan speed.
- The machine sound power level is 111 dB(A), measured according to the test procedures and conditions specified in ISO 6395:2008 for a sound suppression machine configuration. The measurement was conducted at 70 percent of the maximum engine cooling fan speed.
- The operator sound pressure level is 72 dB(A), measured according to the test procedures and conditions specified in ISO 6306:2008 for a sound suppression machine configuration. The measure was conducted at 70 percent of the maximum engine cooling fan speed.

Steering

Steering	Meets SAE and ISO standards
Total Steering Angle	86 Degrees

- Full hydraulic, load-sensing steering system meets SAE J1511 FEB94 and ISO 5010:1992 specified standards.
- Center point frame articulation.
- Front and rear wheels track.

Loader Hydraulic System

Main Hydraulic System Output at 2,010 rpm and 6900 kPa (1,000 psi)	492 L/min	130 gal/min
Relief Valve Setting	35 000 kPa	5,075 psi
Cylinders, Double Acting: Lift, Bore and Stroke	220 × 911 mm	8.7 × 35.9 in
Cylinder, Double Acting: Tilt, Bore and Stroke	220 × 1770 mm	8.7 × 69.7 in
Pilot System, Gear-Type Pump Output at 2,010 rpm and 2500 kPa (363 psi)	76 L/min	20.1 gal/min
Relief Valve Setting (low idle)	2400 kPa	348.1 psi

- With SAE 10W oil at 66° C (150° F).

988H Wheel Loader Specifications

Operation/Bucket Specifications

		988H – 3.88 m Tires: 35/65 R33 XLDD1 SLR: 955 mm		
Bucket Type		**General Purpose**	**General Purpose**	**Rock**
Ground Engaging Tools		**BOCE**	**BOCE**	**Teeth & Segments**
Cutting Edge Type		**Straight**	**Straight**	**Spade**
Bucket Part No. (Group Level)		**333-0931**	**333-0921**	**329-1611**
Struck Capacity – ISO	m^3 (yd^3)	5.6 (7.3)	6.3 (8.2)	6.4 (8.4)
Heaped Capacity – ISO	m^3 (yd^3)	6.9 (9.0)	7.6 (10.0)	7.7 (10.0)
Overall Height	mm (ft/in)	7634 (25'1")	7738 (25'5")	7707 (25'3")
Dump Clearance at 45° Dump				
Bare	mm (ft/in)	3730 (12'3")	3646 (12'0")	3429 (11'3")
Teeth	mm (ft/in)	—	—	3236 (10'7")
Reach at 45° Dump				
Bare	mm (ft/in)	1754 (5'9")	1832 (6'0")	2047 (6'9")
Teeth	mm (ft/in)	—	—	2231 (7'4")
Reach with Level Boom Level Bucket				
Bare	mm (ft/in)	3806 (12'6")	3920 (12'10")	4226 (13'10")
Teeth	mm (ft/in)	—	—	4492 (14'9")
Digging Depth	mm (in)	227 (9")	232 (9")	232 (9")
Overall Length – Bucket Level Ground (Teeth)	mm (ft/in)	11 830 (38'10")	11 947 (39'2")	12 520 (41'1")
Turning Radius – Corner SAE Carry (Teeth)	mm (ft/in)	8680 (28'6")	8712 (28'7")	8791 (28'10")
Reach at 45° Dump and 2.13 m (7 ft 0 in) Height				
Bare	mm (ft/in)	2745 (9'0")	2794 (9'2")	3180 (10'5")
Teeth	mm (ft/in)	—	—	3340 (10'11")
Full Dump at Maximum Lift	degrees	–51.4	–51.4	–51.4
Tipping Load* at Operating Weight				
Straight	kg (lb)	33 040 (72,841)	32 692 (72,073)	31 860 (70,240)
Articulated 35°	kg (lb)	28 362 (62,528)	28 015 (61,762)	27 206 (59,978)
Articulated 43°	kg (lb)	26 279 (57,935)	25 931 (57,168)	25 132 (55,406)
Tipping Load** at Operating Weight				
Straight	kg (lb)	34 724 (76,553)	34 390 (75,817)	33 539 (73,941)
Articulated 43°	kg (lb)	29 277 (64,545)	28 954 (63,833)	28 127 (62,009)
Articulated 35°	kg (lb)	31 057 (68,469)	30 731 (67,750)	29 895 (65,907)
Breakout Force – SAE Rated	kg (lb)	49 062 (108,164)	45 977 (101,361)	39 289 (86,617)
Operating Weight	kg (lb)	49 598 (109,346)	49 835 (109,868)	50 360 (111,025)
Weight Distribution at SAE Carry				
Front	kg (lb)	25 326 (55,834)	25 746 (56,761)	26 752 (58,979)
Rear	kg (lb)	24 272 (53,511)	24 089 (53,107)	23 608 (52,047)

Note: Tire spec used for Tipping Load specifications includes 35/65R33 (L-4) Michelin XLDD1 tires.

*Tipping Loads were calculated within the guidelines of ISO 14397-1:2007 to include tire squash (Tire pressure at 634 kPa [92 psi]).

**Tipping Load is calculated without tire squash.

Operation/Bucket Specifications

		988H – 3.88 m Tires: 35/65 R33 XLDD1 SLR: 955 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)		**333-0891**	**333-0911**	**333-0950**
Struck Capacity – ISO	m^3 (yd^3)	5.6 (7.3)	5.1 (6.7)	5.1 (6.7)
Heaped Capacity – ISO	m^3 (yd^3)	6.9 (9.0)	6.4 (8.3)	6.4 (8.3)
Overall Height	mm (ft/in)	7605 (24'11")	7530 (24'8")	7530 (24'8")
Dump Clearance at 45° Dump				
Bare	mm (ft/in)	3507 (11'6")	3563 (11'8")	3513 (11'6")
Teeth	mm (ft/in)	3314 (10'10")	3371 (11'1")	3345 (11'0")
Reach at 45° Dump				
Bare	mm (ft/in)	1970 (6'6")	1913 (6'3")	1942 (6'4")
Teeth	mm (ft/in)	2153 (7'1")	2097 (6'11")	2100 (6'11")
Reach with Level Boom Level Bucket				
Bare	mm (ft/in)	4116 (13'6")	4036 (13'3")	4092 (13'5")
Teeth	mm (ft/in)	4382 (14'5")	4302 (14'1")	4323 (14'2")
Digging Depth	mm (in)	232 (9")	232 (9")	247 (10")
Overall Length – Bucket Level Ground (Teeth)	mm (ft/in)	12 410 (40'9")	12 330 (40'5")	12 361 (40'7")
Turning Radius – Corner SAE Carry (Teeth)	mm (ft/in)	8762 (28'9")	8740 (28'8")	8753 (28'9")
Reach at 45° Dump and 2.13 m (7 ft 0 in) Height				
Bare	mm (ft/in)	2800 (9'2")	2769 (9'1")	2787 (9'2")
Teeth	mm (ft/in)	2984 (9'9")	2953 (9'8")	2945 (9'8")
Full Dump at Maximum Lift	degrees	–51.4	–51.4	–51.4
Tipping Load* at Operating Weight				
Straight	kg (lb)	32 195 (70,978)	32 435 (71,508)	31 338 (69,089)
Articulated 35°	kg (lb)	27 539 (60,713)	27 779 (61,242)	26 683 (58,826)
Articulated 43°	kg (lb)	25 465 (56,140)	25 705 (56,669)	24 609 (54,254)
Tipping Load** at Operating Weight				
Straight	kg (lb)	33 861 (74,651)	34 088 (75,151)	32 984 (72,717)
Articulated 43°	kg (lb)	28 437 (62,693)	28 658 (63,180)	27 550 (60,737)
Articulated 35°	kg (lb)	30 210 (66,602)	30 432 (67,091)	29 326 (64,653)
Breakout Force – SAE Rated	kg (lb)	41 531 (91,560)	43 299 (95,459)	41 607 (91,728)
Operating Weight	kg (lb)	50 144 (110,549)	49 986 (110,201)	51 093 (112,641)
Weight Distribution at SAE Carry				
Front	kg (lb)	26 362 (58,117)	26 076 (57,489)	28 005 (61,741)
Rear	kg (lb)	23 783 (52,432)	23 910 (52,712)	23 088 (50,901)

Note: Tire spec used for Tipping Load specifications includes 35/65R33 (L-4) Michelin XLDD1 tires.

*Tipping Loads were calculated within the guidelines of ISO 14397-1:2007 to include tire squash (Tire pressure at 634 kPa [92 psi]).

**Tipping Load is calculated without tire squash.

988H Wheel Loader Specifications

Operation/Bucket Specifications

		988H – 4.25 m Tires: 35/65 R33 XLDD1 SLR: 955 mm		
Bucket Type		**General Purpose**	**General Purpose**	**Rock**
Ground Engaging Tools		**BOCE**	**BOCE**	**Teeth & Segments**
Cutting Edge Type		**Straight**	**Straight**	**Spade**
Bucket Part No. (Group Level)		**333-0931**	**333-0921**	**329-1611**
Struck Capacity – ISO	m^3 (yd^3)	5.6 (7.3)	6.3 (8.2)	6.4 (8.4)
Heaped Capacity – ISO	m^3 (yd^3)	6.9 (9.0)	7.6 (10.0)	7.7 (10.0)
Overall Height	mm (ft/in)	8048 (26'5")	8152 (26'9")	8121 (26'8")
Clearance at 45° Dump				
Edge	mm (ft/in)	4143 (13'7")	4059 (13'4")	3842 (12'7")
Tooth Tip	mm (ft/in)	—	—	3650 (12'0")
Reach at 45° Dump				
Edge	mm (ft/in)	1852 (6'1")	1929 (6'4")	2145 (7'0")
Tooth Tip	mm (ft/in)	—	—	2329 (7'8")
Reach with level boom level bucket				
Edge	mm (ft/in)	4176 (13'8")	4290 (14'1")	4596 (15'1")
Tooth	mm (ft/in)	—	—	4862 (15'11")
Digging Depth	mm (in)	258 (10")	263 (10")	264 (10")
Overall Length – Bucket Level Ground (Tooth)	mm (ft/in)	12 270 (40'3")	12 387 (40'8")	12 960 (42'6")
Turning Radius – Corner SAE Carry (Tooth)	mm (ft/in)	8870 (29'1")	8904 (29'3")	8983 (29'6")
Clearance at 45° Dump and 2.13 m (7 ft 0 in) Height				
Edge	mm (ft/in)	2130 (7'0")	2130 (7'0")	2323 (7'7")
Tooth	mm (ft/in)	—	—	2130 (7'0")
Reach at 45° Dump and 2.13 m (7 ft 0 in) Height				
Edge	mm (ft/in)	3132 (10'3")	3184 (10'5")	3248 (10'8")
Tooth	mm (ft/in)	—	—	3432 (11'3")
Full Dump at Maximum Lift	degrees	–48.5	–48.5	–48.5
Tipping Load* at Operating Weight				
Straight	kg (lb)	30 879 (68,076)	30 558 (67,368)	29 764 (65,619)
Articulated 35°	kg (lb)	26 422 (58,251)	26 099 (57,539)	25 325 (55,831)
Articulated 43°	kg (lb)	24 432 (53,864)	24 110 (53,153)	23 344 (51,465)
Tipping Load** at Operating Weight				
Straight	kg (lb)	32 262 (71,126)	31 951 (70,440)	31 143 (68,659)
Articulated 43°	kg (lb)	27 031 (59,593)	26 728 (58,925)	25 941 (57,190)
Articulated 35°	kg (lb)	28 741 (63,363)	28 435 (62,688)	27 641 (60,938)
Breakout Force – SAE Rated	kg (lb)	52 971 (116,780)	49 652 (109,465)	42 469 (93,628)
Operating Weight	kg (lb)	50 626 (111,612)	50 863 (112,134)	51 388 (113,292)
Weight Distribution at SAE Carry				
Front	kg (lb)	25 652 (56,552)	26 093 (57,524)	27 145 (59,844)
Rear	kg (lb)	24 975 (55,060)	24 771 (54,610)	24 243 (53,447)

Note: Tire spec used for Tipping Load specifications includes 35/65R33 (L-4) Michelin XLDD1 tires.

*Tipping Loads were calculated within the guidelines of ISO 14397-1:2007 to include tire squash (Tire pressure at 634 kPa [92 psi]).

**Tipping Load is calculated without tire squash.

Operation/Bucket Specifications

		988H – 4.25 m Tires: 35/65 R33 XLDD1 SLR: 955 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)		**333-0891**	**333-0911**	**333-0950**
Struck Capacity – ISO	m^3 (yd^3)	5.6 (7.3)	5.1 (6.7)	5.1 (6.7)
Heaped Capacity – ISO	m^3 (yd^3)	6.9 (9.0)	6.4 (8.3)	6.4 (8.3)
Overall Height	mm (ft/in)	8018 (26'4")	7943 (26'1")	7944 (26'1")
Clearance at 45° Dump				
Edge	mm (ft/in)	3920 (12'10")	3977 (13'1")	3926 (12'11")
Tooth Tip	mm (ft/in)	3728 (12'3")	3784 (12'5")	3758 (12'4")
Reach at 45° Dump				
Edge	mm (ft/in)	2067 (6'9")	2011 (6'7")	2040 (6'8")
Tooth Tip	mm (ft/in)	2251 (7'5")	2194 (7'2")	2198 (7'3")
Reach with level boom level bucket				
Edge	mm (ft/in)	4486 (14'9")	4406 (14'5")	4462 (14'8")
Tooth	mm (ft/in)	4752 (15'7")	4672 (15'4")	4693 (15'5")
Digging Depth	mm (in)	264 (10")	264 (10")	279 (11")
Overall Length – Bucket Level Ground (Tooth)	mm (ft/in)	12 850 (42'2")	12 770 (41'11")	12 800 (42'0")
Turning Radius – Corner SAE Carry (Tooth)	mm (ft/in)	8953 (29'4")	8931 (29'4")	8945 (29'4")
Clearance at 45° Dump and 2.13 m (7 ft 0 in) Height				
Edge	mm (ft/in)	2323 (7'7")	2323 (7'7")	2298 (7'6")
Tooth	mm (ft/in)	2130 (7'0")	2130 (7'0")	2130 (7'0")
Reach at 45° Dump and 2.13 m (7 ft 0 in) Height				
Edge	mm (ft/in)	3203 (10'6")	3169 (10'5")	3188 (10'5")
Tooth	mm (ft/in)	3387 (11'1")	3353 (11'0")	3346 (11'0")
Full Dump at Maximum Lift	degrees	–48.5	–48.5	–48.5
Tipping Load* at Operating Weight				
Straight	kg (lb)	30 071 (66,296)	30 292 (66,783)	29 202 (64,380)
Articulated 35°	kg (lb)	25 633 (56,512)	25 855 (56,999)	24 765 (54,598)
Articulated 43°	kg (lb)	23 651 (52,142)	23 873 (52,631)	22 785 (50,231)
Tipping Load** at Operating Weight				
Straight	kg (lb)	31 441 (69,316)	31 654 (69,785)	30 559 (67,371)
Articulated 43°	kg (lb)	26 230 (57,827)	26 438 (58,286)	25 339 (55,863)
Articulated 35°	kg (lb)	27 933 (61,582)	28 143 (62,045)	27 045 (59,624)
Breakout Force – SAE Rated	kg (lb)	44 873 (98,928)	46 770 (103,110)	44 969 (99,139)
Operating Weight	kg (lb)	51 172 (112,815)	51 014 (112,467)	52 121 (114,908)
Weight Distribution at SAE Carry				
Front	kg (lb)	26 736 (58,943)	26 438 (58,286)	28 473 (62,772)
Rear	kg (lb)	24 436 (53,872)	24 576 (54,181)	23 648 (52,135)

Note: Tire spec used for Tipping Load specifications includes 35/65R33 (L-4) Michelin XLDD1 tires.

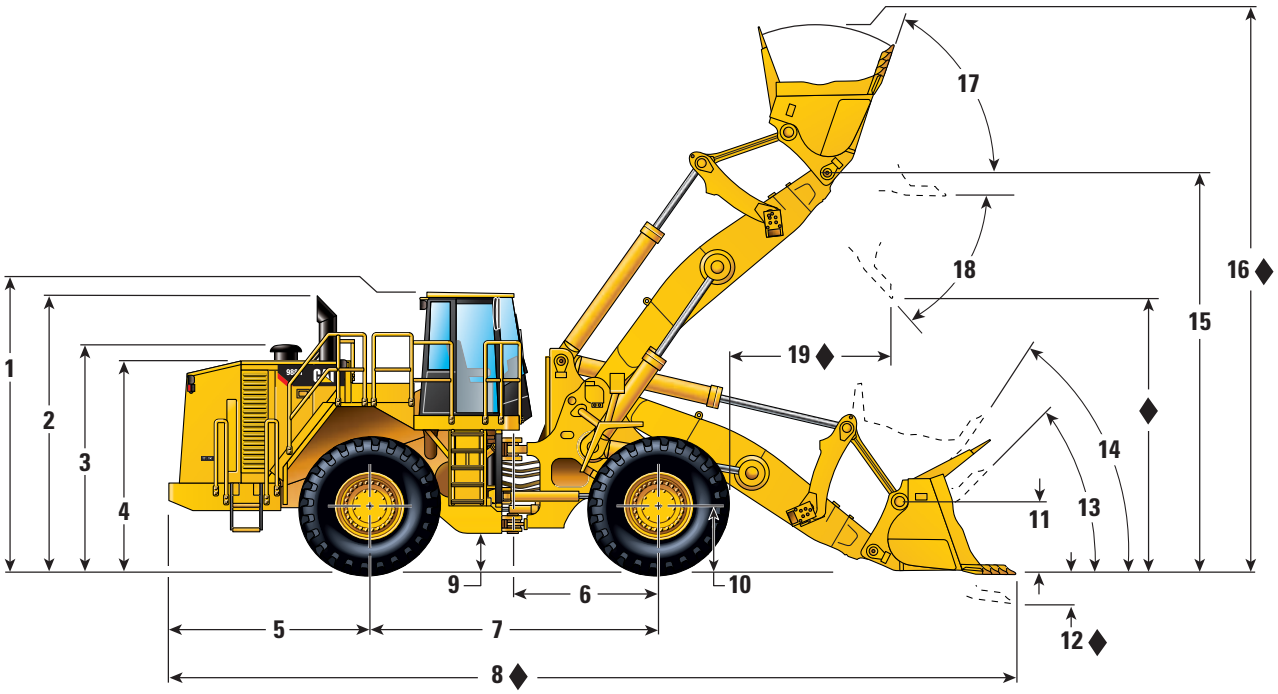
*Tipping Loads were calculated within the guidelines of ISO 14397-1:2007 to include tire squash (Tire pressure at 634 kPa [92 psi]).

**Tipping Load is calculated without tire squash.

Tire Dimensions/Specifications

	Width over Tires		Ground Clearance		Change in Vertical Dimensions		Change in Full Turn Static Tipping Load	
	mm	inches	mm	inches	mm	inches	kg	lb
35/65R33 (L-4) Michelin XLDD1	3598	140.1	526	20.7	0	0	0	0
35/65-33 42 PR (L-5) Bridgestone D-Lug	3541	139.4	565	22.2	39	1.5	1855	4,090
35/65R33 (L-4) Bridgestone V-Steel N Traction VSNT	3569	140.5	541	21.3	15	0.6	287	633
35/65R33 (L-5) Bridgestone V-Steel D-Lug VSDL	3540	139.4	541	21.3	15	0.6	911	2,008
35/65-33 42PR (L-5) Goodyear NRL D/L 5A	3487	137.3	553	21.8	27	1.1	2144	4,727
875/65R33 (L-5) RL-5K	3536	139.2	543	21.4	17	0.7	1036	2,284
35/65R33 (L-5) Michelin XLDD2	3549	139.7	536	21.1	10	0.4	242	534

Dimensions



4.25 Meter Linkage

♦ Dimensions vary with bucket. Refer to Operation/Bucket Specifications.

1	Height to Top of Cab	4105 mm	13.47 ft
2	Height to Top of Exhaust Stacks	4089 mm	13.42 ft
3	Height to Top of Air Cleaner	3359 mm	11.02 ft
4	Height to Top of Hood	3133 mm	10.28 ft
5	Center Line of Rear Axle to Edge of Rear Bumper	3132 mm	10.28 ft
6	Center Line of Front Axle to Hitch	2275 mm	7.46 ft
7	Wheel Base Length	4550 mm	14.93 ft
8	Length with Bucket on Ground	♦	♦
9	Ground Clearance	526 mm	1.73 ft
10	Height to Center of Wheel	955 mm	3.13 ft
11	C-Pin Height**	1157 mm	3.8 ft
12	Dig Depth	264 mm 232 mm*	10 in 9 in*
13	Rack Back Angle at Ground	47.8° 45.7°*	
14	Rack Back Angle at Carry	58.7° 54.5°*	
15	B-Pin Height	5830 mm 5417 mm*	19.13 ft 17.77 ft*
16	Overall Height with Bucket Raised	♦ ♦*	♦ ♦*
17	Rack Back Angle at Maximum Lift	73°	
18	Dump Angle at Maximum Lift	48.5° 51.4°*	
19	Reach	♦	♦

*3.88 Meter Linkage

**Same for both 3.88 and 4.25 Meter Linkage

988H Standard Equipment

Standard equipment may vary. Consult your Cat dealer for details.

POWER TRAIN

Brakes, full hydraulic, enclosed, wet multiple disc service
Case drain filters
Demand fan
Engine, Cat® C18 with ACERT® Technology
ATTAC and ADEM™ A4 controller
Fuel priming pump (electric)
Guard, (3 piece) transmission
Parking brake
Precleaner, engine air intake
Radiator, Next Generation Modular (NGMR)
Separated cooling system
Starting aid (ether), automatic
Throttle lock
Torque converter, impeller clutch with Rimpull Control System (switch and dial in cab)
Transmission, planetary, auto-shift with 4F/3R speed range control

ELECTRICAL

Alarm, back-up
Alternator (95-amp)
Batteries, maintenance-free (4–950 CCA)
Deutsch terminal connectors
Electrical system (24-volt)
Lighting system, halogen (front and rear) lighting, access stairway
Starter, electric (heavy duty)
Starting receptacle for emergency start

OPERATOR ENVIRONMENT

Air conditioner
Cab, sound-suppressed pressurized, internal four-post Rollover Protective Structure (ROPS/FOPS)
Radio ready for (entertainment) includes antenna, speakers and converter (12-volt, 10-15 amp)
12-volt power port for mobile phone or laptop connection
Cigar lighter (12-volt) and ashtray
Coat hook
Electro-hydraulic tilt and lift controls (floor-mounted)
Heater and defroster
Horn, electric
Laminated glass
Light, (dome) cab
Lunchbox and beverage holders
Monitoring system (EMS-III)
Action alert system, three category
Instrumentation, gauges
Engine coolant temperature
Fuel level
Hydraulic oil temperature
Speedometer/tachometer
Transmission oil temperature
Instrumentation, warning indicators:
Axle/brake oil temperature (front/rear)
Brake oil pressure
Electrical system, low voltage
Engine intake/combustion air temperature
Engine oil pressure
Engine overspeed
Fuel pressure
Hydraulic oil filter status
Parking brake status
Transmission filter status
Mirrors, rearview (externally-mounted)
Seat, Cat Comfort (cloth) air suspension
Seat belt, retractable, 76 mm (3 in) wide
STIC control system with steering lock
Tilt and lift control system lock
Tinted glass
Transmission gear (indicator)
Wet-arm wipers/washers (front and rear)
Intermittent wipers (front and rear)

TIRES, RIMS AND WHEELS

A tire must be selected from the Mandatory Attachment section. Base machine price includes a tire allowance.

FLUIDS

Antifreeze, premixed 50% concentration of Extended Life Coolant with freeze protection to –34° C (–29° F)

OTHER STANDARD EQUIPMENT

Engine idle shutdown
Automatic bucket tilt/lift kickouts, electronically adjustable from cab
Counterweight
Doors, service access (locking)
Emergency platform egress
Engine, crankcase, 500-hour interval with CI4 oil
Extended roof
Fuel Management System
Ground level fuel fill
Grouped electronic clutch pressure control and remote-mounted pressure taps
Auto idle kickdown
Hitch, drawbar with pin
Hydraulic oil cooler
Lower cab cover
Muffler (under hood)
Oil sampling valves
Product Link
Stairway, left and right rear access
Steering, load-sensing
Tilt regeneration
Toe kicks
Vandalism protection caplocks
Venturi stack

988H Optional Equipment

Optional equipment may vary. Consult your Cat dealer for details.

AutoLube
Axle oil coolers
Block Handler configuration (Custom)
Buckets
Bulk Loader configuration (Custom)
Directional lights
Engine brake
Extended Life Coolant –50° C (–58° F)
Forestry configuration (Custom)
Fuel, fast fill
Fuel, fast fill and heater
Guards
Crankcase
Steering cylinders
Heater, engine coolant, 120-volt
Heater, engine coolant, 220-volt
High ambient cooling
Hydraulic, three-valve
Lights, HID
Linkage, 4.25 meter
Lock-up clutch
Mid-ambient cooling
No-SPIN differential, rear only
Oil change, high-speed
Payload Control System (PCS)
Product Link
Rear chain clearance
Ride Control
Roading fenders, front and rear
Roof, extended
Secondary steering
Sound suppression, exterior
Steel Mill configuration (Custom)
Tires