



987

Wheel Loader

Technical Specifications

Configurations and features may vary by region. Please consult your Cat® dealer for availability in your area.

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987 Wheel Loader Specifications

Engine

Engine Model	Cat® C15	
Rated Speed	2,000 rpm	
Peak Power Speed	1,600 rpm	
Engine Power (ISO 14396:2002)	335 kW	449 hp
Engine Power (ISO 14396:2002)(DIN)		455 hp
Gross Power (SAE J1995:2014)	340 kW	456 hp
Net Power (SAE J1349:2011)	334 kW	448 hp
Bore	137 mm	5.4 in
Stroke	171.5 mm	6.75 in
Displacement	15.2 L	927 in ³
Peak Torque (1,200 rpm)	2411 N·m	1,778 lbf·ft
(SAE J1995:2014)		
Torque Rise	16%	

- Two engine emission options are available:
 1. Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
 2. Meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan at minimum speed, air intake system, exhaust system, and alternator.
- Net power at the flywheel when the fan is at maximum speed is 304 kW/408 hp per SAE reference conditions.

Transmission

Transmission Type	Cat planetary power shift	
Forward 1	7.3 km/h	5 mph
Forward 2	12.2 km/h	8 mph
Reverse 1	7.6 km/h	5 mph
Reverse 2	13.6 km/h	8 mph
Direct Drive Forward 1	Lockup disabled	
Direct Drive Forward 2	12.7 km/h	8 mph
Direct Drive Forward 3	22 km/h	14 mph
Direct Drive Forward 4	39 km/h	24 mph
Direct Drive Reverse 1	Lockup disabled	
Direct Drive Reverse 2	14.1 km/h	9 mph
Direct Drive Reverse 3	25 km/h	16 mph
Direct Drive Reverse 4	40.8 km/h	25.4 mph

- Travel speeds based on 35/65-R33 tires.

Operating Specifications

Operating Weight – Standard Lift	48 454 kg	106,823 lb
Operating Weight – High Lift	50 686 kg	111,743 lb
Operating Weight – Extended High Lift	51 640 kg	113,847 lb
Rated Payload – Standard Lift (Quarry Face)	11.3 tonnes	12.5 tons
Rated Payload – Standard Lift (Loose Material)	12.7 tonnes	14 tons
Rated Payload – High Lift (Quarry Face)	11.3 tonnes	12.5 tons
Rated Payload – High Lift (Loose Material)	12.7 tonnes	14 tons
Rated Payload – Extended High Lift (Quarry Face)	11.3 tonnes	12.5 tons
Bucket Capacity Range – Quarry Face	6.4 - 7.6 m ³	8.3-10 yd ³
Bucket Capacity Range – Material Handler	6.9 - 9.6 m ³	9 - 12.5 yd ³
Cat Truck Match – Standard Lift	770/735/740/745	
Cat Truck Match – High Lift	772/773/707	
Cat Truck Match – Extended High Lift	772/773/775	

Hydraulic System – Lift/Tilt

Lift/Tilt System – Circuit	EH-Load Sense	
Lift/Tilt System Pumps	Variable displacement piston	
Maximum Flow at 2,165 rpm	600 L/min	159 gal/min
Relief Valve Setting – Lift/Tilt	31 700 kPa	4,598 psi
Cylinders, Double Acting: Lift, Bore, and Stroke	190 mm x 1216 mm	7.5 in x 48.0 in
Cylinders, Double Acting: Tilt, Bore, and Stroke	170 mm x 722 mm	6.7 in x 28.4 in
Pilot System	Variable displacement piston	

Hydraulic Cycle Time (2,165 rpm)

Rackback	3.8 seconds
Raise	7.5 seconds
Dump	3.0 seconds
Lower Float Down	4.6 seconds
Total Hydraulic Cycle Time (empty bucket)	18.9 seconds

Hydraulic System – Steering

Steering System – Circuit	Pilot, load sensing
Steering System – Pump	Piston, variable displacement
Maximum Flow at 2,165 rpm	200 L/min 52 gal/min
Relief Valve Setting – Steering	27 600 kPa 4,000 psi
Total Steering Angle	70°
Steering Cycle Time (high idle)	3.0 seconds
Steering Cycle Time (low idle)	5.2 seconds

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R1234yf. See the label or instruction manual for identification of the gas.
- If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 1.51 kg (3.3 lb) of refrigerant, which has a CO₂ equivalent of 0.001 metric tonnes (0.001 tons).

Axles

Front	Fixed
Rear	Trunnion
Oscillation Angle	±12.5°
Oscillation Angle (chain arrangement)	±8.5°

Brakes

Brakes	ISO 3450:2011
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Operator Cab

Rollover Protective Structure/Falling Objects Protective Structure (ROPS/FOPS)	ROPS/FOPS meet ISO 3471:2008 and ISO 3449:2005 Level II standards
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Sound Performance

Tier 4 Final/Stage V	
Operator Sound Pressure Level (ISO 6396:2008)	73 dB(A)
Machine Sound Power Level (ISO 6395:2008)	113 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)	72 dB(A)*
Machine Sound Power Level (ISO 6395:2008)	110 dB(A)**

Tier 3/Stage IIIA	
Operator Sound Pressure Level (ISO 6396:2008)	74 dB(A)
Machine Sound Power Level (ISO 6395:2008)	113 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)	73 dB(A)*
Machine Sound Power Level (ISO 6395:2008)	110 dB(A)**

* For machines in European Union countries and in countries that adopt the “EU Directives” and “UK Directives.”

** European Union Directive “2000/14/EC” and UK Noise Regulation 2001 No. 1701.

- The machine sound power level was measured according to ISO 6395:2008. The measurement was conducted at 70% of the maximum engine cooling fan speed.
- The operator sound pressure level was measured according to ISO 6396:2008. The measurement was conducted at 70% of the maximum engine cooling fan speed.
- Hearing protection may be needed when the machine is operated with a cab that is not properly maintained or when the doors or windows are open for extended periods or in a noisy environment.

Service Refill Capacities

Fuel Tank	535 L	141 gal
Fuel Tank (Short Lift)	481 L	127 gal
Cooling System	100 L	26 gal
Crankcase	34 L	9 gal
Diesel Exhaust Fluid (DEF) Tank (Tier 4 Final/Stage V only)	23 L	6 gal
Transmission	75 L	20 gal
Differentials and Final Drives – Front	186 L	49 gal
Differentials and Final Drives – Rear	170 L	45 gal
Hydraulic System Factory Fill	355 L	94 gal
Hydraulic System (tank only)	130 L	34 gal

- Cat U.S. EPA Tier 4 Final, EU Stage V, Japan 2014 engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to:
 - ✓ 20% biodiesel FAME (fatty acid methyl ester)***
 - ✓ 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels
- Cat engines meeting Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3, EU Stage IIIA are compatible* with diesel fuel blended with the following lower-carbon intensity fuels*** up to:
 - ✓ 100% biodiesel FAME (fatty acid methyl ester)****
 - ✓ 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details.

* While Caterpillar engines are compatible with these alternative fuels, some regions may not allow their use.

** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

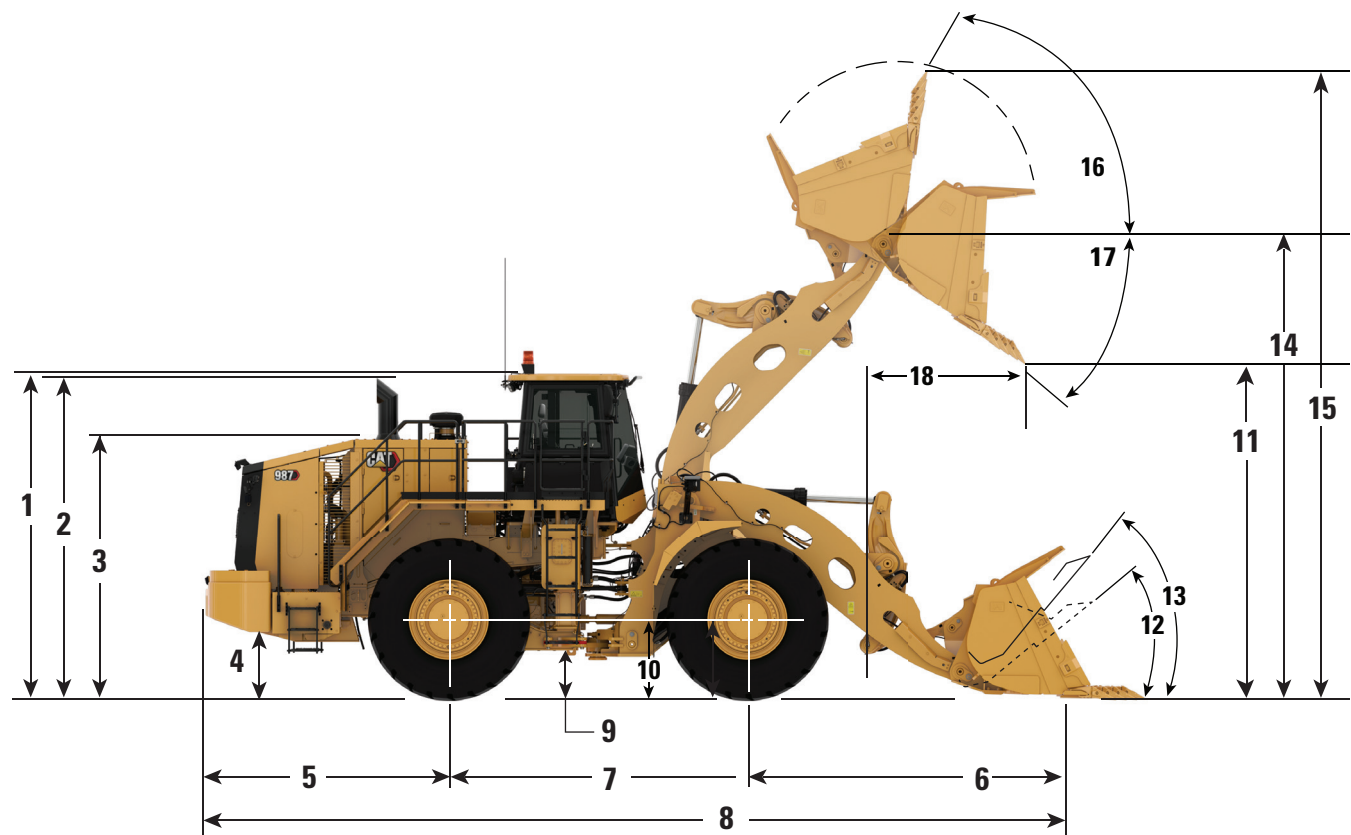
*** Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).

**** For use of blends higher than 20% biodiesel, consult your Cat dealer.

987 Wheel Loader Specifications

Dimensions

All dimensions are approximate.



	Standard Lift		High Lift		Extended High Lift	
1 Ground to Top of Rollover Protective Structure (ROPS)	4100 mm	13.5 ft	4100 mm	13.5 ft	4100 mm	13.5 ft
2 Ground to Top of Exhaust Stacks	4060 mm	13.3 ft	4060 mm	13.3 ft	4060 mm	13.3 ft
3 Ground to Top of Hood	3270 mm	10.7 ft	3270 mm	10.7 ft	3270 mm	10.7 ft
4 Ground to Fuel Tank Clearance	691 mm	2.3 ft	691 mm	2.3 ft	686 mm	2.2 ft
5 Rear Axle Centerline to Bumper	3132 mm	10.3 ft	3132 mm	10.3 ft	3132 mm	10.3 ft
6 Front Axle Centerline to Bucket Tip	4304 mm	14.1 ft	4753 mm	15.6 ft	5085 mm	16.7 ft
7 Wheelbase	3810 mm	12.5 ft	3810 mm	12.5 ft	3810 mm	12.5 ft
8 Maximum Overall Length	11 199 mm	36.7 ft	11 647 mm	38.2 ft	11 980 mm	39.3 ft
9 Ground to Lower Hitch Clearance	459 mm	1.5 ft	459 mm	1.5 ft	459 mm	1.5 ft
10 Ground to Center of Front Axle	978 mm	3.2 ft	978 mm	3.2 ft	978 mm	3.2 ft
11 Clearance at Maximum Lift (45° Dump)	3055 mm	10.0 ft	3514 mm	11.5 ft	3896 mm	12.8 ft
12 Rack Back Angle at Ground Level	40 degrees		40 degrees		43 degrees	
13 Rack Back Angle at Carry	49 degrees		50 degrees		53 degrees	
14 B-Pin Height at Maximum Lift	4914 mm	16.1 ft	5372 mm	17.6 ft	5755 mm	18.9 ft
15 Maximum Overall Height, Bucket Raised	6974 mm	22.9 ft	7432 mm	24.4 ft	7815 mm	25.6 ft
16 Rack Angle at Maximum Lift	62 degrees		63 degrees		61 degrees	
17 Dump Angle at Maximum Lift	46 degrees		46 degrees		46 degrees	
18 Reach at Maximum Lift (45° Dump)	2206 mm	7.2 ft	2279 mm	7.5 ft	2282 mm	7.5 ft

Note: Specifications are calculated with 6.9 m³ (9.0 yd³) rock bucket equipped with Michelin XLDD1 35/65 R33 tires

Bucket Selection Guide

When sizing the bucket, it is important to consider the Maximum Swung Load. The Maximum Swung Load is defined as the maximum allowed combined weight of the bucket and payload. Large Wheel Loader Payload Policy is that the Maximum Swung Load should never be exceeded.

If a bucket weight other than the weight specified in the table below is chosen, the bucket size can be evaluated using the following equations:

$$\text{Maximum Payload} = \text{Maximum Swung Load} - \text{Bucket Weight}$$

$$\text{Maximum Density} = (\text{Maximum Swung Load} - \text{Bucket Weight}) / \text{Bucket Volume}$$

The rated capacity of the tires should always be considered.

Moderate to High Digging Resistance

Standard Lift: Rated Payload 11.3 tonnes (12.5 tons), Maximum Swung Load 17.4 tonnes (19.1 tons)

Bucket Volume		Example Bucket Weight		Maximum Payload at Example Bucket Weight		Maximum Density at Example Bucket Weight	
m ³	yd ³	kg	lb	tonnes	tons	kg/m ³	lb/yd ³
6.4	8.4	4891	11,308	12.2	13.5	1905	3,211
6.9	9	5095	11,819	12	13.2	1745	2,940
7.6	10	5385	10,972	12.4	13.7	1620	2,731
8.4	11	5142	11,336	12.2	13.5	1453	2,450
11.5	15	5386	11,874	12	13.2	1045	1,761

Moderate to High Digging Resistance

High Lift: Rated Payload 11.3 tonnes (12.5 tons), Maximum Swung Load 17.4 tonnes (19.1 tons)

Bucket Volume		Example Bucket Weight		Maximum Payload at Example Bucket Weight		Maximum Density at Example Bucket Weight	
m ³	yd ³	kg	lb	tonnes	tons	kg/m ³	lb/yd ³
6.4	8.4	4891	11,308	12.2	13.5	1905	3,211
6.9	9	5095	11,819	12	13.2	1745	2,940
7.6	10	5385	10,972	12.4	13.7	1620	2,731
8.4	11	5142	11,336	12.2	13.5	1453	2,450
11.5	15	5386	11,874	12	13.2	1045	1,761

Moderate to High Digging Resistance

Extended High Lift: Rated Payload 11.3 tonnes (12.5 tons), Maximum Swung Load 17.4 tonnes (19.1 tons)

Bucket Volume		Example Bucket Weight		Maximum Payload at Example Bucket Weight		Maximum Density at Example Bucket Weight	
m ³	yd ³	kg	lb	tonnes	tons	kg/m ³	lb/yd ³
6.4	8.4	4891	11,308	12.2	13.5	1905	3,211
6.9	9	5095	11,819	12	13.2	1745	2,940
7.6	10	5385	10,972	12.4	13.7	1620	2,731
8.4	11	5142	11,336	12.2	13.5	1453	2,450
11.5	15	5386	11,874	12	13.2	1045	1,761

Custom buckets are available upon request. Please work with your dealer for more information. Refer to the Large Wheel Loader Payload Policy.

987 Wheel Loader Specifications

Bucket Selection Guide *(continued)*

When sizing the bucket, it is important to consider the Maximum Swung Load. The Maximum Swung Load is defined as the maximum allowed combined weight of the bucket and payload. Large Wheel Loader Payload Policy is that the Maximum Swung Load should never be exceeded.

If a bucket weight other than the weight specified in the table below is chosen, the bucket size can be evaluated using the following equations:

$$\text{Maximum Payload} = \text{Maximum Swung Load} - \text{Bucket Weight}$$

$$\text{Maximum Density} = (\text{Maximum Swung Load} - \text{Bucket Weight}) / \text{Bucket Volume}$$

The rated capacity of the tires should always be considered.

Low to Moderate Digging Resistance

Standard Lift: Rated Payload 12.7 tonnes (14.0 tons), Maximum Swung Load 19.2 tonnes (21.1 tons)

Bucket Volume		Example Bucket Weight		Maximum Payload at Example Bucket Weight		Maximum Density at Example Bucket Weight	
m ³	yd ³	kg	lb	tonnes	tons	kg/m ³	lb/yd ³
6.9	9	4403	9,707	14.8	16.3	2147	3,619
7.6	10	4903	10,809	14.3	15.7	1867	3,147
8.4	11	5142	11,336	14	15.5	1669	2,813
9.6	12.5	5601	12,348	13.6	15	1420	2,394
11.5	15	5386	11,874	13.8	15.2	1202	2,027
13	17	5739	12,652	13.4	14.8	1034	1,742

Low to Moderate Digging Resistance

High Lift: Rated Payload 12.7 tonnes (14.0 tons), Maximum Swung Load 18.8 tonnes (20.7 tons)

Bucket Volume		Example Bucket Weight		Maximum Payload at Example Bucket Weight		Maximum Density at Example Bucket Weight	
m ³	yd ³	kg	lb	tonnes	tons	kg/m ³	lb/yd ³
6.9	9	4403	9,707	14.4	15.8	2089	3,521
7.6	10	4903	10,809	13.9	15.3	1815	3,059
8.4	11	5142	11,336	13.6	15	1621	2,733
9.6	12.5	5601	12,348	13.2	14.5	1379	2,324
11.5	15	5386	11,874	13.4	14.8	1168	1,968
13	17	5739	12,652	13	14.4	1003	1,691

Custom buckets are available upon request. Please work with your dealer for more information. Refer to the Large Wheel Loader Payload Policy.

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Operating Specifications – Standard Lift

987 Standard Lift Tires: 35/65R33 SLR:978 mm					
Bucket Type		General Purpose			Coal
Ground Engaging Tool		Bolt-On Cutting Edges			
Cutting Edge Type		Straight			
Bucket Part Number		680-3920	661-3680	658-6730	673-7460
Bucket Weight as Configured	kg	5142	4903	4593	5386
	lb	11,336	10,809	9,707	11,874
Bucket Load at Rated Capacity	kg	11 340	11 340	11 340	11 340
	lb	25,000	25,000	25,000	25,000
Rated Capacity	m ³	8.40	7.60	6.90	11.50
	yd ³	11.00	10.00	9.00	15.00
Struck Capacity (ISO)	m ³	7.00	6.00	5.50	10.00
	yd ³	9.20	7.80	7.20	13.10
Heaped Capacity (ISO)	m ³	8.50	7.50	7.00	11.00
	yd ³	11.10	9.80	9.10	14.40
Bucket Width	mm	3760	3760	3760	4254
	in	148	148	148	167
Dump Clearance at Full Lift and 45° Discharge (Tooth Tip)		mm			
		in			
Dump Clearance at Full Lift and 45° Discharge (Edge)	mm	3217	3337	3423	3104
	in	127	131	135	122
Reach at Full Lift and 45° Discharge (Tooth Tip)		mm			
		in			
Reach at Full Lift and 45° Discharge (Edge)	mm	2059	1939	1853	2187
	in	81	76	73	86
Bucket Pin at Maximum Lift	mm	4914	4914	4914	4914
	in	193	193	193	193
Reach with Lift Arms Horizontal and Bucket Level	mm	3757	3588	3466	3928
	in	148	141	136	155
Digging Depth (Segment)	mm	150	150	150	140
	in	5.9	5.9	5.9	5.5
Overall Length (Bucket Level Ground)	mm	10 972	10 803	10 681	11 135
	in	432	425	421	438
Overall Height with Bucket at Full Raise	mm	7133	7073	6974	7198
	in	281	278	275	283
Loader Clearance Turning Radius (ISO Carry)	mm	8797	8748	8714	9079
	in	346	344	343	357
Rack Back Angle at ISO Carry		degrees	48.6	48.6	48.4
Full Dump Angle		degrees	-46.1	-46.1	-46.1
Static Tipping Load – Straight (Rigid Tire)	kg	34 448	35 079	35 600	34 354
	lb	75,944	77,336	78,484	75,737
Static Tipping Load – Straight (Tire Squash)	kg	32 332	32 958	33 496	32 132
	lb	71,280	72,660	73,846	70,838
Static Tipping Load – Full Turn (Articulated 35°) (Rigid Tire)	kg	30 442	31 037	31 540	30 343
	lb	67,114	68,425	69,533	66,895
Static Tipping Load – Full Turn (Articulated 35°) (Tire Squash)	kg	27 460	28 049	28 573	27 228
	lb	60,538	61,837	62,993	60,028
Breakout Force	kN	356	392	423	326
	lb	79,997	88,109	95,128	73,370
Operating Weight	kg	48 501	48 262	47 952	48 745
	lb	106,926	106,399	105,717	107,464
Weight Distribution at ISO Carry (Unloaded)					
Front	kg	22 203	21 730	21 158	22 555
	lb	48,949	47,907	46,646	49,725
Rear	kg	26 298	26 532	26 794	26 190
	lb	57,977	58,492	59,071	57,739
Loaded Machine Weight	kg	59 841	59 602	59 292	60 085
	lb	131,927	131,399	130,717	132,464
Weight Distribution at ISO Carry (Loaded)					
Front	kg	41 556	40 959	40 301	42 014
	lb	91,615	90,299	88,849	92,624
Rear	kg	18 285	18 643	18 991	18 071
	lb	40,312	41,100	41,868	39,840

987 Wheel Loader Specifications

Operating Specifications – Standard Lift *(continued)*

987 Standard Lift Tires: 35/65R33 SLR:978 mm					
Bucket Type		Rock			HD Rock
Ground Engaging Tool		Teeth and Segments			
Cutting Edge Type		Spade			
Bucket Part Number		658-4740	658-4730	658-4720	681-6849
Bucket Weight as Configured	kg	5385	5095	4891	5799
	lb	10,972	10,569	10,271	12,785
Bucket Load at Rated Capacity	kg	11 340	11 340	11 340	11 340
	lb	25,000	25,000	25,000	25,000
Rated Capacity	m ³	7.60	6.90	6.40	6.40
	yd ³	10.00	9.00	8.30	8.30
Struck Capacity (ISO)	m ³	6.50	5.50	5.00	5.00
	yd ³	8.50	7.20	6.50	6.50
Heaped Capacity (ISO)	m ³	7.50	7.00	6.50	6.50
	yd ³	9.80	9.20	8.50	8.50
Bucket Width	mm	3840	3840	3840	3840
	in	151	151	151	151
Dump Clearance at Full Lift and 45° Discharge (Tooth Tip)	mm	2916	3055	3044	2998
	in	115	120	120	118
Dump Clearance at Full Lift and 45° Discharge (Edge)	mm	3069	3153	3196	3207
	in	121	124	126	126
Reach at Full Lift and 45° Discharge (Tooth Tip)	mm	2323	2206	2195	2239
	in	91	87	86	88
Reach at Full Lift and 45° Discharge (Edge)	mm	2170	2108	2042	2054
	in	85	83	80	81
Bucket Pin at Maximum Lift	mm	4914	4914	4914	4914
	in	193	193	193	193
Reach with Lift Arms Horizontal and Bucket Level	mm	4156	3976	3976	4040
	in	164	157	157	159
Digging Depth (Segment)	mm	177	161	177	161
	in	7.0	6.3	7.0	6.3
Overall Length (Bucket Level Ground)	mm	11 392	11 199	11 212	11 264
	in	449	441	441	443
Overall Height with Bucket at Full Raise	mm	7087	6974	6870	6870
	in	279	275	270	270
Loader Clearance Turning Radius (ISO Carry)	mm	8776	8719	8725	8744
	in	346	343	343	344
Rack Back Angle at ISO Carry	degrees	49.1	48.8	49.1	48.8
	degrees	-46.1	-46.1	-46.1	-46.1
Full Dump Angle	degrees	-46.1	-46.1	-46.1	-46.1
	degrees	-46.1	-46.1	-46.1	-46.1
Static Tipping Load – Straight (Rigid Tire)	kg	34 268	34 707	35 025	33 646
	lb	75,548	76,516	77,216	74,177
Static Tipping Load – Straight (Tire Squash)	kg	32 171	32 633	32 966	31 551
	lb	70,925	71,943	72,678	69,557
Static Tipping Load – Full Turn (Articulated 35°) (Rigid Tire)	kg	30 243	30 670	30 978	29 641
	lb	66,675	67,615	68,295	65,347
Static Tipping Load – Full Turn (Articulated 35°) (Tire Squash)	kg	27 283	27 739	28 067	26 685
	lb	60,148	61,153	61,877	58,831
Breakout Force	kN	323	342	357	353
	lb	72,570	76,912	80,156	79,372
Operating Weight	kg	48 744	48 454	48 250	49 158
	lb	107,463	106,823	106,374	108,375
Weight Distribution at ISO Carry (Unloaded)					
Front	kg	22 713	22 167	21 801	23 397
	lb	50,074	48,870	48,062	51,583
Rear	kg	26 031	26 287	26 450	25 761
	lb	57,389	57,953	58,311	56,792
Loaded Machine Weight	kg	60 084	59 794	59 590	60 498
	lb	132,463	131,824	131,374	133,375
Weight Distribution at ISO Carry (Loaded)					
Front	kg	42 001	41 371	40 964	42 760
	lb	92,597	91,208	90,310	94,269
Rear	kg	18 083	18 423	18 626	17 738
	lb	39,866	40,616	41,064	39,106

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Operating Specifications – High Lift

987 High Lift Tires: 35/65R33 SLR:978 mm					
Bucket Type		General Purpose			Coal
Ground Engaging Tool		Bolt-On Cutting Edges			
Cutting Edge Type		Straight			
Bucket Part Number		680-3920	661-3680	658-6730	673-7460
Bucket Weight as Configured	kg	5142	4903	4593	5386
	lb	11,336	10,809	9,707	11,874
Bucket Load at Rated Capacity	kg	11 340	11 340	11 340	11 340
	lb	25,000	25,000	25,000	25,000
Rated Capacity	m ³	8.40	7.60	6.90	11.50
	yd ³	11.00	10.00	9.00	15.00
Struck Capacity (ISO)	m ³	7.00	6.00	5.50	10.00
	yd ³	9.20	7.80	7.20	13.10
Heaped Capacity (ISO)	m ³	8.50	7.50	7.00	11.00
	yd ³	11.10	9.80	9.10	14.40
Bucket Width	mm	3760	3760	3760	4254
	in	148	148	148	167
Dump Clearance at Full Lift and 45° Discharge (Tooth Tip)	mm				
	in				
Dump Clearance at Full Lift and 45° Discharge (Edge)	mm	3676	3796	3882	3562
	in	145	149	153	140
Reach at Full Lift and 45° Discharge (Tooth Tip)	mm				
	in				
Reach at Full Lift and 45° Discharge (Edge)	mm	2132	2012	1926	2260
	in	84	79	76	89
Bucket Pin at Maximum Lift	mm	5372	5372	5372	5372
	in	211	211	211	211
Reach with Lift Arms Horizontal and Bucket Level	mm	4121	3951	3830	4292
	in	162	156	151	169
Digging Depth (Segment)	mm	198	198	198	188
	in	7.8	7.8	7.8	7.4
Overall Length (Bucket Level Ground)	mm	11 422	11 252	11 130	11 585
	in	450	443	438	456
Overall Height with Bucket at Full Raise	mm	7592	7531	7432	7656
	in	299	297	293	301
Loader Clearance Turning Radius (ISO Carry)	mm	9002	8950	8912	9281
	in	354	352	351	365
Rack Back Angle at ISO Carry	degrees	49.6	49.6	49.6	49.4
	degrees	-46.0	-46.0	-46.0	-46.0
Full Dump Angle	degrees	-46.0	-46.0	-46.0	-46.0
	degrees	-46.0	-46.0	-46.0	-46.0
Static Tipping Load – Straight (Rigid Tire)	kg	32 825	33 400	33 892	32 706
	lb	72,366	73,635	74,720	72,103
Static Tipping Load – Straight (Tire Squash)	kg	30 961	31 538	32 050	30 744
	lb	68,256	69,530	70,658	67,779
Static Tipping Load – Full Turn (Articulated 35°) (Rigid Tire)	kg	28 858	29 400	29 877	28 734
	lb	63,620	64,817	65,866	63,348
Static Tipping Load – Full Turn (Articulated 35°) (Tire Squash)	kg	26 136	26 681	27 181	25 892
	lb	57,619	58,821	59,923	57,081
Breakout Force	kN	356	392	423	326
	lb	80,025	88,140	95,161	73,393
Operating Weight	kg	50 733	50 494	50 184	50 977
	lb	111,847	111,320	110,637	112,384
Weight Distribution at ISO Carry (Unloaded)					
Front	kg	22 656	22 156	21 547	23 037
	lb	49,948	48,845	47,503	50,788
Rear	kg	28 077	28 338	28 637	27 940
	lb	61,899	62,475	63,134	61,596
Loaded Machine Weight	kg	62 073	61 834	61 524	62 317
	lb	136,848	136,320	135,638	137,385
Weight Distribution at ISO Carry (Loaded)					
Front	kg	43 376	42 753	42 061	43 857
	lb	95,627	94,254	92,728	96,688
Rear	kg	18 698	19 081	19 463	18 460
	lb	41,221	42,066	42,910	40,697

987 Wheel Loader Specifications

Operating Specifications – High Lift *(continued)*

987 High Lift Tires: 35/65R33 SLR:978 mm					
Bucket Type		Rock			HD Rock
Ground Engaging Tool		Teeth and Segments			
Cutting Edge Type		Spade			
Bucket Part Number		658-4740	658-4730	658-4720	681-6849
Bucket Weight as Configured	kg	5385	5095	4891	5799
	lb	10,972	10,569	10,271	12,785
Bucket Load at Rated Capacity	kg	11 340	11 340	11 340	11 340
	lb	25,000	25,000	25,000	25,000
Rated Capacity	m ³	7.60	6.90	6.40	6.40
	yd ³	10.00	9.00	8.30	8.30
Struck Capacity (ISO)	m ³	6.50	5.50	5.00	5.00
	yd ³	8.50	7.20	6.50	6.50
Heaped Capacity (ISO)	m ³	7.50	7.00	6.50	6.50
	yd ³	9.80	9.20	8.50	8.50
Bucket Width	mm	3840	3840	3840	3840
	in	151	151	151	151
Dump Clearance at Full Lift and 45° Discharge (Tooth Tip)	mm	3375	3514	3502	3456
	in	133	138	138	136
Dump Clearance at Full Lift and 45° Discharge (Edge)	mm	3527	3611	3655	3665
	in	139	142	144	144
Reach at Full Lift and 45° Discharge (Tooth Tip)	mm	2395	2279	2268	2312
	in	94	90	89	91
Reach at Full Lift and 45° Discharge (Edge)	mm	2243	2181	2115	2127
	in	88	86	83	84
Bucket Pin at Maximum Lift	mm	5372	5372	5372	5372
	in	211	211	211	211
Reach with Lift Arms Horizontal and Bucket Level	mm	4304	4201	4124	4125
	in	169	165	162	162
Digging Depth (Segment)	mm	225	209	225	209
	in	8.8	8.2	8.9	8.2
Overall Length (Bucket Level Ground)	mm	11 839	11 647	11 658	11 712
	in	466	459	459	461
Overall Height with Bucket at Full Raise	mm	7545	7432	7329	7329
	in	297	293	289	289
Loader Clearance Turning Radius (ISO Carry)	mm	8982	8920	8927	8948
	in	354	351	351	352
Rack Back Angle at ISO Carry	degrees	49.9	49.7	49.9	49.7
	degrees	-46.0	-46.0	-46.0	-46.0
Full Dump Angle	degrees	-46.0	-46.0	-46.0	-46.0
	degrees	-46.0	-46.0	-46.0	-46.0
Static Tipping Load – Straight (Rigid Tire)	kg	32 633	33 053	33 356	32 040
	lb	71,943	72,869	73,537	70,637
Static Tipping Load – Straight (Tire Squash)	kg	30 788	31 232	31 552	30 194
	lb	67,877	68,855	69,560	66,567
Static Tipping Load – Full Turn (Articulated 35°) (Rigid Tire)	kg	28 648	29 057	29 352	28 073
	lb	63,158	64,060	64,709	61,891
Static Tipping Load – Full Turn (Articulated 35°) (Tire Squash)	kg	25 949	26 388	26 701	25 376
	lb	57,209	58,175	58,867	55,945
Breakout Force	kN	323	342	357	353
	lb	72,605	76,943	80,194	79,404
Operating Weight	kg	50 976	50 686	50 482	51 390
	lb	112,383	111,744	111,294	113,296
Weight Distribution at ISO Carry (Unloaded)					
Front	kg	23 191	22 614	22 221	23 931
	lb	51,127	49,854	48,988	52,758
Rear	kg	27 785	28 073	28 262	27 460
	lb	61,256	61,889	62,306	60,538
Loaded Machine Weight	kg	62 316	62 026	61 822	62 730
	lb	137,384	136,744	136,295	138,296
Weight Distribution at ISO Carry (Loaded)					
Front	kg	43 844	43 188	42 752	44 659
	lb	96,659	95,213	94,253	98,455
Rear	kg	18 472	18 838	19 070	18 072
	lb	40,724	41,531	42,042	39,841

987 Wheel Loader Specifications

Operating Specifications – Extended High Lift

987 Extended High Lift Tires: 35/65R33 SLR:978 mm					
Bucket Type		General Purpose			Coal
Ground Engaging Tool		Bolt-On Cutting Edges			
Cutting Edge Type		Straight			
Bucket Part Number		680-3920	661-3680	658-6730	673-7460
Bucket Weight as Configured	kg	5142	4903	4593	5386
	lb	11,336	10,809	9,707	11,874
Bucket Load at Rated Capacity	kg	11 340	11 340	11 340	11 340
	lb	25,000	25,000	25,000	25,000
Rated Capacity	m ³	8.40	7.60	6.90	11.50
	yd ³	11.00	10.00	9.00	15.00
Struck Capacity (ISO)	m ³	7.00	6.00	5.50	10.00
	yd ³	9.20	7.80	7.20	13.10
Heaped Capacity (ISO)	m ³	8.50	7.50	7.00	11.00
	yd ³	11.10	9.80	9.10	14.40
Bucket Width	mm	3760	3760	3760	4254
	in	148	148	148	167
Dump Clearance at Full Lift and 45° Discharge (Tooth Tip)		mm			
Dump Clearance at Full Lift and 45° Discharge (Edge)	mm	4059	4178	4265	3945
	in	160	165	168	155
Reach at Full Lift and 45° Discharge (Tooth Tip)		mm			
Reach at Full Lift and 45° Discharge (Edge)	mm	2135	2015	1929	2263
	in	84	79	76	89
Bucket Pin at Maximum Lift	mm	5755	5755	5755	5755
	in	227	227	227	227
Reach with Lift Arms Horizontal and Bucket Level	mm	4401	4231	4110	4572
	in	173	167	162	180
Digging Depth (Segment)	mm	190	190	190	180
	in	7.5	7.5	7.5	7.1
Overall Length (Bucket Level Ground)	mm	11 755	11 585	11 463	11 919
	in	463	456	451	469
Overall Height with Bucket at Full Raise	mm	7975	7914	7815	8039
	in	314	312	308	317
Loader Clearance Turning Radius (ISO Carry)	mm	9128	9077	9041	9403
	in	359	357	356	370
Rack Back Angle at ISO Carry		degrees	52.7	52.7	52.6
Full Dump Angle		degrees	-46.0	-46.0	-46.0
Static Tipping Load – Straight (Rigid Tire)	kg	30 993	31 515	31 973	30 897
	lb	68,327	69,479	70,487	68,117
Static Tipping Load – Straight (Tire Squash)	kg	29 346	29 871	30 344	29 171
	lb	64,697	65,853	66,897	64,311
Static Tipping Load – Full Turn (Articulated 35°) (Rigid Tire)	kg	27 159	27 654	28 099	27 056
	lb	59,875	60,967	61,947	59,647
Static Tipping Load – Full Turn (Articulated 35°) (Tire Squash)	kg	24 646	25 145	25 611	24 435
	lb	54,335	55,436	56,463	53,869
Breakout Force	kN	328	361	390	300
	lb	73,696	81,223	87,748	67,517
Operating Weight	kg	51 687	51 448	51 138	51 931
	lb	113,950	113,423	112,740	114,488
Weight Distribution at ISO Carry (Unloaded)					
Front	kg	23 108	22 592	21 963	23 502
	lb	50,944	49,808	48,421	51,814
Rear	kg	28 579	28 855	29 175	28 428
	lb	63,007	63,615	64,320	62,674
Loaded Machine Weight	kg	63 027	62 788	62 478	63 271
	lb	138,951	138,423	137,741	139,488
Weight Distribution at ISO Carry (Loaded)					
Front	kg	44 664	44 036	43 333	45 133
	lb	98,467	97,082	95,532	99,500
Rear	kg	18 363	18 752	19 146	18 138
	lb	40,483	41,341	42,209	39,988

987 Wheel Loader Specifications

Operating Specifications – Extended High Lift *(continued)*

987 Extended High Lift Tires: 35/65R33 SLR:978 mm					
Bucket Type		Rock			HD Rock
Ground Engaging Tool		Teeth and Segments			
Cutting Edge Type		Spade			
Bucket Part Number		658-4740	658-4730	658-4720	681-6849
Bucket Weight as Configured	kg	5385	5095	4891	5799
	lb	10,972	10,569	10,271	12,785
Bucket Load at Rated Capacity	kg	11 340	11 340	11 340	11 340
	lb	25,000	25,000	25,000	25,000
Rated Capacity	m ³	7.60	6.90	6.40	6.40
	yd ³	10.00	9.00	8.30	8.30
Struck Capacity (ISO)	m ³	6.50	5.50	5.00	5.00
	yd ³	8.50	7.20	6.50	6.50
Heaped Capacity (ISO)	m ³	7.50	7.00	6.50	6.50
	yd ³	9.80	9.20	8.50	8.50
Bucket Width	mm	3840	3840	3840	3840
	in	151	151	151	151
Dump Clearance at Full Lift and 45° Discharge (Tooth Tip)	mm	3758	3896	3885	3839
	in	148	153	153	151
Dump Clearance at Full Lift and 45° Discharge (Edge)	mm	3910	3994	4038	4048
	in	154	157	159	159
Reach at Full Lift and 45° Discharge (Tooth Tip)	mm	2399	2282	2271	2315
	in	94	90	89	91
Reach at Full Lift and 45° Discharge (Edge)	mm	2246	2184	2118	2130
	in	88	86	83	84
Bucket Pin at Maximum Lift	mm	5755	5755	5755	5755
	in	227	227	227	227
Reach with Lift Arms Horizontal and Bucket Level	mm	4800	4619	4619	4684
	in	189	182	182	184
Digging Depth (Segment)	mm	217	201	217	201
	in	8.5	7.9	8.5	7.9
Overall Length (Bucket Level Ground)	mm	12 170	11 980	11 989	12 044
	in	479	472	472	474
Overall Height with Bucket at Full Raise	mm	7928	7815	7711	7711
	in	312	308	304	304
Loader Clearance Turning Radius (ISO Carry)	mm	9109	9049	9055	9076
	in	359	356	357	357
Rack Back Angle at ISO Carry	degrees	53.1	52.9	53.1	52.9
	degrees	-46.0	-46.0	-46.0	-46.0
Full Dump Angle	degrees	-46.0	-46.0	-46.0	-46.0
	degrees	-46.0	-46.0	-46.0	-46.0
Static Tipping Load – Straight (Rigid Tire)	kg	30 778	31 169	31 451	30 214
	lb	67,853	68,716	69,338	66,609
Static Tipping Load – Straight (Tire Squash)	kg	29 147	29 558	29 853	28 582
	lb	64,258	65,164	65,816	63,012
Static Tipping Load – Full Turn (Articulated 35°) (Rigid Tire)	kg	26 930	27 313	27 588	26 380
	lb	59,369	60,215	60,822	58,158
Static Tipping Load – Full Turn (Articulated 35°) (Tire Squash)	kg	24 438	24 848	25 142	23 889
	lb	53,877	54,781	55,428	52,667
Breakout Force	kN	298	315	329	325
	lb	66,928	70,909	74,004	73,139
Operating Weight	kg	51 930	51 640	51 436	52 344
	lb	114,487	113,847	113,397	115,399
Weight Distribution at ISO Carry (Unloaded)					
Front	kg	23 659	23 064	22 656	24 440
	lb	52,158	50,847	49,949	53,881
Rear	kg	28 272	28 576	28 780	27 904
	lb	62,328	63,000	63,449	61,518
Loaded Machine Weight	kg	63 270	62 980	62 776	63 684
	lb	139,487	138,848	138,398	140,399
Weight Distribution at ISO Carry (Loaded)					
Front	kg	45 156	44 494	44 048	46 005
	lb	99,551	98,092	97,110	101,423
Rear	kg	18 115	18 487	18 728	17 679
	lb	39,936	40,756	41,288	38,976

987 Wheel Loader Specifications

Operating Specifications – Aggregate Package Operating Specifications – Standard Lift

987 Standard Lift Agg Handler Tires: 35/65R33 SLR:978 mm					
Bucket Type		General Purpose			
Ground Engaging Tool		Bolt-On Cutting Edges			
Cutting Edge Type		Straight			
Bucket Part Number		681-5353	680-3920	661-3680	658-6730
Bucket Weight as Configured	kg	5601	5142	4903	4593
	lb	12,348	11,336	10,809	9,707
Bucket Load at Rated Capacity	kg	12 701	12 701	12 701	12 701
	lb	28,000	28,000	28,000	28,000
Rated Capacity	m ³	9.60	8.40	7.60	6.90
	yd ³	12.50	11.00	10.00	9.00
Struck Capacity (ISO)	m ³	8.00	7.00	6.00	5.50
	yd ³	10.50	9.20	7.80	7.20
Heaped Capacity (ISO)	m ³	9.50	8.50	7.50	7.00
	yd ³	12.40	11.10	9.80	9.10
Bucket Width	mm	3760	3760	3760	3760
	in	148	148	148	148
Dump Clearance at Full Lift and 45° Discharge (Tooth Tip)	mm				
	in				
Dump Clearance at Full Lift and 45° Discharge (Edge)	mm	3080	3217	3337	3423
	in	121	127	131	135
Reach at Full Lift and 45° Discharge (Tooth Tip)	mm				
	in				
Reach at Full Lift and 45° Discharge (Edge)	mm	2196	2059	1939	1853
	in	86	81	76	73
Bucket Pin at Maximum Lift	mm	4914	4914	4914	4914
	in	193	193	193	193
Reach with Lift Arms Horizontal and Bucket Level	mm	3951	3757	3588	3466
	in	156	148	141	136
Digging Depth (Segment)	mm	150	150	150	150
	in	5.9	5.9	5.9	5.9
Overall Length (Bucket Level Ground)	mm	11 166	10 972	10 803	10 681
	in	440	432	425	421
Overall Height with Bucket at Full Raise	mm	7313	7133	7073	6974
	in	288	281	278	275
Loader Clearance Turning Radius (ISO Carry)	mm	8854	8797	8748	8714
	in	349	346	344	343
Rack Back Angle at ISO Carry	degrees	48.6	48.6	48.6	48.6
	degrees	-46.1	-46.1	-46.1	-46.1
Full Dump Angle	degrees	-46.1	-46.1	-46.1	-46.1
	degrees	-46.1	-46.1	-46.1	-46.1
Static Tipping Load – Straight (Rigid Tire)	kg	35 178	35 894	36 539	37 066
	lb	77,555	79,133	80,555	81,717
Static Tipping Load – Straight (Tire Squash)	kg	32 922	33 668	34 307	34 853
	lb	72,580	74,225	75,635	76,837
Static Tipping Load – Full Turn (Articulated 35°) (Rigid Tire)	kg	31 010	31 705	32 311	32 820
	lb	68,364	69,898	71,234	72,355
Static Tipping Load – Full Turn (Articulated 35°) (Tire Squash)	kg	27 814	28 549	29 150	29 682
	lb	61,320	62,940	64,264	65,437
Breakout Force	kN	320	356	392	423
	lb	71,939	79,997	88,109	95,128
Operating Weight	kg	49 603	49 143	48 904	48 594
	lb	109,355	108,342	107,814	107,132
Weight Distribution at ISO Carry (Unloaded)					
Front	kg	22 619	21 754	21 282	20 710
	lb	49,867	47,960	46,918	45,657
Rear	kg	26 983	27 389	27 622	27 885
	lb	59,487	60,382	60,896	61,475
Loaded Machine Weight	kg	62 304	61 844	61 605	61 295
	lb	137,356	136,343	135,815	135,133
Weight Distribution at ISO Carry (Loaded)					
Front	kg	44 426	43 434	42 823	42 154
	lb	97,943	95,756	94,407	92,934
Rear	kg	17 877	18 410	18 782	19 141
	lb	39,413	40,587	41,408	42,199

987 Wheel Loader Specifications

Operating Specifications – Aggregate Package Operating Specifications – Standard Lift *(continued)*

		987 Standard Lift Agg Handler Tires: 35/65R33 SLR:978 mm	
Bucket Type		Coal	
Ground Engaging Tool		Bolt-On Cutting Edges	
Cutting Edge Type		Straight	
Bucket Part Number		650-3200	673-7460
Bucket Weight as Configured	kg	5739	5386
	lb	12,652	11,874
Bucket Load at Rated Capacity	kg	12 701	12 701
	lb	28,000	28,000
Rated Capacity	m ³	13.00	11.50
	yd ³	17.00	15.00
Struck Capacity (ISO)	m ³	11.00	10.00
	yd ³	14.40	13.10
Heaped Capacity (ISO)	m ³	13.00	11.00
	yd ³	17.00	14.40
Bucket Width	mm	4254	4254
	in	167	167
Dump Clearance at Full Lift and 45° Discharge (Tooth Tip)			
Dump Clearance at Full Lift and 45° Discharge (Edge)	mm	2977	3104
	in	117	122
Reach at Full Lift and 45° Discharge (Tooth Tip)			
Reach at Full Lift and 45° Discharge (Edge)	mm	2314	2187
	in	91	86
Bucket Pin at Maximum Lift	mm	4914	4914
	in	193	193
Reach with Lift Arms Horizontal and Bucket Level	mm	4108	3928
	in	162	155
Digging Depth (Segment)	mm	140	140
	in	5.5	5.5
Overall Length (Bucket Level Ground)	mm	11 315	11 135
	in	445	438
Overall Height with Bucket at Full Raise	mm	7366	7198
	in	290	283
Loader Clearance Turning Radius (ISO Carry)	mm	9131	9079
	in	360	357
Rack Back Angle at ISO Carry		degrees	48.4
Full Dump Angle		degrees	-46.1
Static Tipping Load – Straight (Rigid Tire)	kg	35 157	35 803
	lb	77,508	78,932
Static Tipping Load – Straight (Tire Squash)	kg	32 791	33 464
	lb	72,293	73,775
Static Tipping Load – Full Turn (Articulated 35°) (Rigid Tire)	kg	30 990	31 608
	lb	68,321	69,683
Static Tipping Load – Full Turn (Articulated 35°) (Tire Squash)	kg	27 659	28 311
	lb	60,977	62,415
Breakout Force	kN	298	326
	lb	66,976	73,370
Operating Weight	kg	49 740	49 387
	lb	109,659	108,879
Weight Distribution at ISO Carry (Unloaded)			
Front	kg	22 771	22 106
	lb	50,201	48,736
Rear	kg	26 969	27 281
	lb	59,457	60,144
Loaded Machine Weight	kg	62 441	62 088
	lb	137,659	136,880
Weight Distribution at ISO Carry (Loaded)			
Front	kg	44 723	43 905
	lb	98,597	96,795
Rear	kg	17 719	18 182
	lb	39,063	40,085

987 Wheel Loader Specifications

Operating Specifications – Aggregate Package Operating Specifications – High Lift

987 High Lift Agg Handler Tires: 35/65R33 SLR:978 mm					
Bucket Type		General Purpose			
Ground Engaging Tool		Bolt-On Cutting Edges			
Cutting Edge Type		Straight			
Bucket Part Number		681-5353	680-3920	661-3680	658-6730
Bucket Weight as Configured	kg	5601	5142	4903	4593
	lb	12,348	11,336	10,809	9,707
Bucket Load at Rated Capacity	kg	12 701	12 701	12 701	12 701
	lb	28,000	28,000	28,000	28,000
Rated Capacity	m ³	9.60	8.40	7.60	6.90
	yd ³	12.50	11.00	10.00	9.00
Struck Capacity (ISO)	m ³	8.00	7.00	6.00	5.50
	yd ³	10.50	9.20	7.80	7.20
Heaped Capacity (ISO)	m ³	9.50	8.50	7.50	7.00
	yd ³	12.40	11.10	9.80	9.10
Bucket Width	mm	3760	3760	3760	3760
	in	148	148	148	148
Dump Clearance at Full Lift and 45° Discharge (Tooth Tip)	mm				
	in				
Dump Clearance at Full Lift and 45° Discharge (Edge)	mm	3538	3676	3796	3882
	in	139	145	149	153
Reach at Full Lift and 45° Discharge (Tooth Tip)	mm				
	in				
Reach at Full Lift and 45° Discharge (Edge)	mm	2269	2132	2012	1926
	in	89	84	79	76
Bucket Pin at Maximum Lift	mm	5372	5372	5372	5372
	in	211	211	211	211
Reach with Lift Arms Horizontal and Bucket Level	mm	4315	4121	3951	3830
	in	170	162	156	151
Digging Depth (Segment)	mm	198	198	198	198
	in	7.8	7.8	7.8	7.8
Overall Length (Bucket Level Ground)	mm	11 616	11 422	11 252	11 130
	in	457	450	443	438
Overall Height with Bucket at Full Raise	mm	7771	7592	7531	7432
	in	306	299	297	293
Loader Clearance Turning Radius (ISO Carry)	mm	9062	9002	8950	8912
	in	357	354	352	351
Rack Back Angle at ISO Carry	degrees	49.6	49.6	49.6	49.6
	degrees	-46.0	-46.0	-46.0	-46.0
Full Dump Angle	degrees	-46.0	-46.0	-46.0	-46.0
	degrees	-46.0	-46.0	-46.0	-46.0
Static Tipping Load – Straight (Rigid Tire)	kg	33 474	34 157	34 743	35 241
	lb	73,797	75,303	76,596	77,693
Static Tipping Load – Straight (Tire Squash)	kg	31 485	32 201	32 790	33 308
	lb	69,413	70,991	72,289	73,432
Static Tipping Load – Full Turn (Articulated 35°) (Rigid Tire)	kg	29 356	30 020	30 573	31 054
	lb	64,718	66,184	67,402	68,462
Static Tipping Load – Full Turn (Articulated 35°) (Tire Squash)	kg	26 444	27 149	27 704	28 208
	lb	58,298	59,853	61,077	62,188
Breakout Force	kN	320	356	392	423
	lb	71,965	80,025	88,140	95,161
Operating Weight	kg	51 861	51 401	51 162	50 852
	lb	114,333	113,320	112,792	112,110
Weight Distribution at ISO Carry (Unloaded)					
Front	kg	23 108	22 190	21 689	21 081
	lb	50,945	48,920	47,817	46,476
Rear	kg	28 752	29 211	29 472	29 771
	lb	63,388	64,400	64,975	65,634
Loaded Machine Weight	kg	64 562	64 102	63 863	63 553
	lb	142,334	141,321	140,793	140,111
Weight Distribution at ISO Carry (Loaded)					
Front	kg	46 444	45 401	44 764	44 062
	lb	102,390	100,093	98,688	97,139
Rear	kg	18 118	18 701	19 099	19 492
	lb	39,943	41,228	42,105	42,972

987 Wheel Loader Specifications

Operating Specifications – Aggregate Package Operating Specifications – High Lift *(continued)*

		987 High Lift Agg Handler Tires: 35/65R33 SLR:978 mm	
Bucket Type		Coal	
Ground Engaging Tool		Bolt-On Cutting Edges	
Cutting Edge Type		Straight	
Bucket Part Number		650-3200	673-7460
Bucket Weight as Configured	kg	5739	5386
	lb	12,652	11,874
Bucket Load at Rated Capacity	kg	12 701	12 701
	lb	28,000	28,000
Rated Capacity	m ³	13.00	11.50
	yd ³	17.00	15.00
Struck Capacity (ISO)	m ³	11.00	10.00
	yd ³	14.40	13.10
Heaped Capacity (ISO)	m ³	13.00	11.00
	yd ³	17.00	14.40
Bucket Width	mm	4254	4254
	in	167	167
Dump Clearance at Full Lift and 45° Discharge (Tooth Tip)			
Dump Clearance at Full Lift and 45° Discharge (Edge)	mm	3435	3562
	in	135	140
Reach at Full Lift and 45° Discharge (Tooth Tip)			
Reach at Full Lift and 45° Discharge (Edge)	mm	2387	2260
	in	94	89
Bucket Pin at Maximum Lift	mm	5372	5372
	in	211	211
Reach with Lift Arms Horizontal and Bucket Level	mm	4472	4292
	in	176	169
Digging Depth (Segment)	mm	188	188
	in	7.4	7.4
Overall Length (Bucket Level Ground)	mm	11 765	11 585
	in	463	456
Overall Height with Bucket at Full Raise	mm	7824	7656
	in	308	301
Loader Clearance Turning Radius (ISO Carry)	mm	9338	9281
	in	368	365
Rack Back Angle at ISO Carry		degrees	49.4
Full Dump Angle		degrees	-46.0
Static Tipping Load – Straight (Rigid Tire)	kg	33 433	34 039
	lb	73,708	75,044
Static Tipping Load – Straight (Tire Squash)	kg	31 339	31 981
	lb	69,090	70,505
Static Tipping Load – Full Turn (Articulated 35°) (Rigid Tire)	kg	29 317	29 898
	lb	64,633	65,914
Static Tipping Load – Full Turn (Articulated 35°) (Tire Squash)	kg	26 280	26 899
	lb	57,937	59,302
Breakout Force	kN	298	326
	lb	66,998	73,393
Operating Weight	kg	51 998	51 645
	lb	114,637	113,857
Weight Distribution at ISO Carry (Unloaded)			
Front	kg	23 276	22 571
	lb	51,315	49,760
Rear	kg	28 722	29 074
	lb	63,321	64,097
Loaded Machine Weight	kg	64 699	64 346
	lb	142,638	141,858
Weight Distribution at ISO Carry (Loaded)			
Front	kg	46 750	45 896
	lb	103,065	101,182
Rear	kg	17 950	18 450
	lb	39,573	40,676

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat® dealer for details.

	Standard	Optional		Standard	Optional
ELECTRICAL			OPERATOR ENVIRONMENT (CONTINUED)		
Alarm, back-up	✓		Seat, Deluxe (cloth/heated)	✓	
Alternator, single 145 amp	✓		Seat, Premium (leather, heated/cooled)		✓
Batteries, maintenance-free	✓		Seat Belt Reminder System:		
Converter, 10/15 amp, 24V to 12V	✓		Seat Belt Alert	✓	
Lighting system (LED, work lights, access and service platform lighting)	✓		Seat Belt Inhibit	✓	
Starting and charging system, 24V	✓		Seat belt, retractable, 76 mm (3 in) wide	✓	
Auxiliary jump start receptacle	✓		Steering and Integrated Control (STIC™) System	✓	
OPERATOR ENVIRONMENT			Surround Vision		✓
Air conditioner	✓		Transmission gear indicator	✓	
Cab door, fixed window (LH)	✓		UV glass	✓	
Cab door, sliding window (LH)		✓	Wet-arm wipers/washers (front and rear) – intermittent	✓	
Cab precleaner (powered)	✓		Window pull-down visor	✓	
Cab precleaner (non-powered)		✓	POWERTRAIN		
Cab, sound suppressed and pressurized, integrated rollover protective structure/falling objects protective structure (ROPS/FOPS)	✓		Antifreeze -50° C (-58° F)		✓
Cat® Detect, object detection system		✓	Autolube – linkage, cylinder, and hitch pins		✓
Cat Vision, rear vision camera system	✓		Axle oil cooling		✓
Cat Payload*		✓	Brakes, oil-cooled, multi-disc, service/secondary	✓	
Cat Payload* ready	✓		Case drain screens	✓	
Controls, lift and tilt function	✓		Crankcase guard	✓	
Graphical information display, displays real-time operating information, performs calibrations, and customizes operator settings	✓		Electro hydraulic parking brake	✓	
Heater, defroster	✓		Engine block heater 120V or 240V		✓
Horn, electric	✓		Engine, Cat C15, turbocharged/aftercooled	✓	
Instrumentation, gauges: coolant temperature, fuel level, diesel exhaust fluid (DEF) level, hydraulic oil temperature, powertrain oil temperature, speedometer/tachometer	✓		Engine oil change system, high speed		✓
LED warning strobe		✓	Ground-level engine shutdown switch	✓	
Light, cab, dome	✓		High ambient cooling – software		✓
Lights, directional	✓		Hydraulic oil, Arctic -40° C (-40° F)		✓
Lights, LED	✓		Manual switch and automatic fuel priming	✓	
Lunchbox, beverage holders	✓		Ride control		✓
Mirrors, handrail mounted		✓	Secondary steering	✓	
Mirrors, heated, rearview (externally mounted)	✓		Starting aid, ether, automatic	✓	
Printer, payload		✓	Torque converter, neutralizer	✓	
Radio, AM/FM with Bluetooth® technology, USB port, and 3.5mm AUX input	✓		Transmission, planetary powershift, 4F/3R electronic control	✓	
Radio, CB ready		✓	Turbine precleaner, engine air intake	✓	

*Not legal for trade

987 Wheel Loader Specifications

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat® dealer for details.

	Standard	Optional		Standard	Optional
ADDITIONAL EQUIPMENT			ADDITIONAL EQUIPMENT (CONTINUED)		
Automatic bucket lift kickout/positioner	✓		Oil sampling valves	✓	
Base machine price includes a rim allowance	✓		Premixed 50% concentration of extended life coolant with freeze protection to -34° C (-29° F)	✓	
Cat® Clean Emission Module (CEM)	✓		Rear access to cab and service platform	✓	
Cold weather starting (extra two batteries)		✓	Sound suppression, engine enclosure		✓
Compression brake, engine		✓	Steering, load sensing	✓	
Couplings, Cat O-ring face seals	✓		Tire Pressure Monitoring System		✓
Demand fan, hydraulically driven	✓		Toe kicks	✓	
Doors, service access (locking)	✓		Wheel chocks		✓
Ecology drains for engine, radiator, hydraulic tank	✓		Vandalism protection caplocks	✓	
Fast fill fuel system		✓	OTHER OPTIONAL CONFIGURATIONS		
Front and rear roading fenders		✓	Aggregate handler		✓
Fuel tank, 535 L (141 gal)	✓		Block handler		✓
Hitch, drawbar with pin	✓				
Hoses, Cat XT™	✓				
Hydraulic, steering and brake filtration/screening system	✓				

The following information applies to the machine at the time of final manufacture as configured for sale in the regions covered in this document. The content of this declaration is valid as of the date issued; however, content related to machine features and specifications are subject to change without notice. For additional information, please see the machine's Operation and Maintenance Manual.

For more information on sustainability in action and our progress, please visit <https://www.caterpillar.com/en/company/sustainability>.

Engine

- Cat U.S. EPA Tier 4 Final, EU Stage V, Japan 2014 engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to:
 - ✓ 20% biodiesel FAME (fatty acid methyl ester)***
 - ✓ 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels
 - Cat engines meeting Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3, EU Stage IIIA are compatible* with diesel fuel blended with the following lower-carbon intensity fuels*** up to:
 - ✓ 100% biodiesel FAME (fatty acid methyl ester)****
 - ✓ 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels
- Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.
- * While Caterpillar engines are compatible with these alternative fuels, some regions may not allow their use.
- ** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.
- *** Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).
- **** For use of blends higher than 20% biodiesel, consult your Cat dealer.

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R1234yf. See the label or instruction manual for identification of the gas.
- If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 1.51 kg (3.3 lb) of refrigerant, which has a CO₂ equivalent of 0.001 metric tonnes (0.001 tons).

Paint

- Based on best available knowledge, the maximum allowable concentrations, measured in parts per million (PPM), of the following "heavy metals" measured by U.S. Environmental Protection Agency's (EPA) Toxicity Characterization Leaching Procedure, DFR 40, Part 261, Appendix 2, Method 1311 (TCLP), are as follows:
 - Barium < 100 PPM
 - Cadmium < 1 PPM
 - Chromium < 5 PPM
 - Lead < 5 PPM

Oils and Fluids

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio HYDO™ Advanced is an EU Ecolabel approved biodegradable hydraulic oil.

Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

Sound Performance

Tier 4 Final/Stage V

Operator Sound Pressure Level (ISO 6396:2008)	73 dB(A)
Machine Sound Power Level (ISO 6395:2008)	113 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)	72 dB(A)*
Machine Sound Power Level (ISO 6395:2008)	110 dB(A)**

Tier 3/Stage IIIA

Operator Sound Pressure Level (ISO 6396:2008)	74 dB(A)
Machine Sound Power Level (ISO 6395:2008)	113 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)	73 dB(A)*
Machine Sound Power Level (ISO 6395:2008)	110 dB(A)**

* For machines in European Union countries and in countries that adopt the "EU Directives" and "UK Directives."

** European Union Directive "2000/14/EC" and UK Noise Regulation 2001 No. 1701.

- The machine sound power level was measured according to ISO 6395:2008. The measurement was conducted at 70% of the maximum engine cooling fan speed.
- The operator sound pressure level was measured according to ISO 6396:2008. The measurement was conducted at 70% of the maximum engine cooling fan speed.
- Hearing protection may be needed when the machine is operated with a cab that is not properly maintained or when the doors or windows are open for extended periods or in a noisy environment.

Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
 - Engine Idle Management System and Auto Engine Idle Shutdown reduces idle RPM and maximize fuel efficiency.
 - Load sensing hydraulics produce flow and pressure on demand and only in amounts necessary to perform the needed functions.
 - Cat Payload technology maximizes loading efficiency, helping operators of every skill level work more accurately to reduce load time, fuel costs and greenhouse gas emissions.
 - Extended maintenance intervals not only reduce downtime, but also decrease the amount of fluid and filters that are replaced over the life of the machine.
 - Cat clean emissions module includes Diesel Particulate Filter (DPF), Diesel Oxidation Catalyst (DOC), and Selective Catalytic Reduction (SCR) technologies to reduce the engine's emissions where required.



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Block Handler

Block handler applications demand the additional performance, productivity, and safety that Cat Wheel Loaders deliver.

Designed for Block Handling

- Delivers stability and durability with an optimized counterweight for block handling applications.
- A high rimpull powertrain features a torque converter and transmission specially designed for this application to maximize rimpull.
- An additional hydraulic valve with the Quick Coupler allows the operator to switch work tools and immediately lock the work tool during load and carry applications.
- Larger tilt and lift cylinders on the linkage help improve load control and ensure safe and long-lasting operation.
- Ride control acts as a shock absorber, providing the operator with a smoother ride over rough terrain.
- Linkage layout designed to maximize lift capability in block handling application.
- High load stresses are absorbed by solid steel lift arms.
- Enhanced strength in key pin areas through the use of one-piece castings.
- Stress released lift arms help increase durability and lengthen time to repair.

Operator Comfort and Control

- Ergonomically positioned controls with large backlit switches, LED indicators, updated keypad, and a standardized switch layout simplify operation and enhance cab familiarity.
- Load-sensing hydraulic steering delivers precise, responsive control for confident, efficient maneuvering in demanding loading applications.
- Lift kickout/positioner automates repeat lift and return functions, reducing operator effort while providing consistent bucket positioning for smoother, more efficient operation.

Long-Term Value and Durability

- The highly responsive Cat C15 engine is built and tested for maximum performance.
- Advanced lift arm, crossmember, and reinforced frame design for improved durability, longer component life, and confidence in demanding applications.
- World-class transmission for long life and consistent, smooth shifting – specifically designed for mining applications.
- Moves material more efficiently with improved power and control.
- Durable construction withstands the toughest loading conditions and multiple lifecycles.
- Transmission neutralizer pedal extends service brake life and allows full power during stationary loading.
- Advanced filtration system for extended performance and reliability of the hydraulic system.

Safety and Technology for Confident Operation

- Cat Payload ready provides accurate weighing of the materials you are loading and hauling.
- Optional Advanced Productivity subscription provides comprehensive actionable information to help you manage and improve productivity and profitability.
- Cat Detect enhances awareness of the environment around working equipment and provides alerts to help keep people and assets safe on the jobsite.
- VisionLink™ wirelessly connects you to your equipment, giving you access to essential information you need to know to run your business.
- Standard secondary steering, LED lighting, heated mirrors, and available surround vision system for improved visibility, awareness, and jobsite safety.
- Standard stairway/access arrangement supports safer entry and exit from the machine.

Engine

Engine Model	Cat® C15	
Rated Speed	2,000 rpm	
Peak Power Speed	1,600 rpm	
Engine Power (ISO 14396:2002)	335 kW	449 hp
Engine Power (ISO 14396:2002)(DIN)	455 hp	
Gross Power (SAE J1995:2014)	340 kW	456 hp
Net Power (SAE J1349:2011)	334 kW	448 hp
Bore	137 mm	5.4 in
Stroke	171.5 mm	6.75 in
Displacement	15.2 L	927 in ³
Peak Torque (1,200 rpm)	2411 N·m	1,778 lbf-ft
(SAE J1995:2014)		
Torque Rise	16%	

- Two engine emission options are available:
 - Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
 - Meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan at minimum speed, air intake system, exhaust system, and alternator.
- Net power at the flywheel when the fan is at maximum speed is 304 kW/408 hp per SAE reference conditions.

Transmission

Transmission Type	Cat Planetary Power Shift	
Forward 1	7.3 km/h	5 mph
Forward 2	12.2 km/h	8 mph
Direct Drive – Forward 2	12.7 km/h	8 mph
Direct Drive – Forward 3	22 km/h	14 mph
Direct Drive – Forward 4	39 km/h	24 mph
Reverse 1	7.6 km/h	5 mph
Reverse 2	13.6 km/h	8 mph
Direct Drive – Reverse 2	14.1 km/h	9 mph
Direct Drive – Reverse 3	25 km/h	16 mph
Direct Drive – Reverse 4	40.8 km/h	25.4 mph

Hydraulic System – Lift/Tilt

Lift/Tilt System – Circuit	Load Sense	
Lift/Tilt System Pumps	2 × 145 cc variable displacement	
Maximum Flow at 2,165 rpm	600 L/min	159 gal/min
Relief Valve Setting – Lift/Tilt	31 700 kPa	4,598 psi
Lift Cylinder – Bore	190 mm	7.5 in
Lift Cylinder – Stroke	1138 mm	45 in
Tilt Cylinder – Bore	170 mm	6.7 in
Tilt Cylinder – Stroke	568 mm	22.4 in

Hydraulic Cycle Time

Rackback	4.5 Seconds
Raise	6.7 Seconds
Dump	3 Seconds
Lower	4.9 Seconds
Lower Float Down	4.3 Seconds
Total Hydraulic Cycle Time	18.5 Seconds

Service Refill Capacities

Fuel Tank	438 L	116 gal
Cooling Systems	100 L	26 gal
Crankcase	34 L	9 gal
Diesel Exhaust Fluid Tank (Tier 4 Final/Stage V only)	23 L	6 gal
Transmission	75 L	20 gal
Axle Oil		
Differentials and Final Drives – Front	186 L	49 gal
Differentials and Final Drives – Rear	170 L	45 gal
Hydraulic System Factory Fill	355 L	94 gal
Hydraulic System (tank only)	130 L	34 gal

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R1234yf. See the label or instruction manual for identification of the gas.
- If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 1.51 kg (3.3 lb) of refrigerant, which has a CO₂ equivalent of 0.001 metric tonnes (0.001 tons).

987 Block Handler Specifications

Axles

Front	Fixed
Rear	Trunnion
Oscillation Angle	±12.5°
Oscillation Angle (chain arrangement)	±8.5°

Brakes

Brakes	ISO 3450:2011
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Hydraulic System – Steering

Steering System – Circuit	Load Sense	
Steering System – Pump	Piston, variable displacement	
Maximum Flow @ 1,400 rpm	200 L/min	52 gal/min
Steering Cutoff Pressure	27 600 kPa	4,000 psi
Total Steering Angle	70°	

Operator Cab

ROPS/FOPS	ROPS/FOPS meet ISO 3471:2008 (ROPS) and ISO 3449:2005 Level II (FOPS)
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Sound Performance

Tier 4 Final/Stage V

Operator Sound Pressure Level (ISO 6396:2008)	73 dB(A)
Machine Sound Power Level (ISO 6395:2008)	113 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)	72 dB(A)*
Machine Sound Power Level (ISO 6395:2008)	110 dB(A)**

Tier 3/Stage IIIA

Operator Sound Pressure Level (ISO 6396:2008)	74 dB(A)
Machine Sound Power Level (ISO 6395:2008)	113 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)	73 dB(A)*
Machine Sound Power Level (ISO 6395:2008)	110 dB(A)**

* For machines in European Union countries and in countries that adopt the “EU Directives” and “UK Directives.”

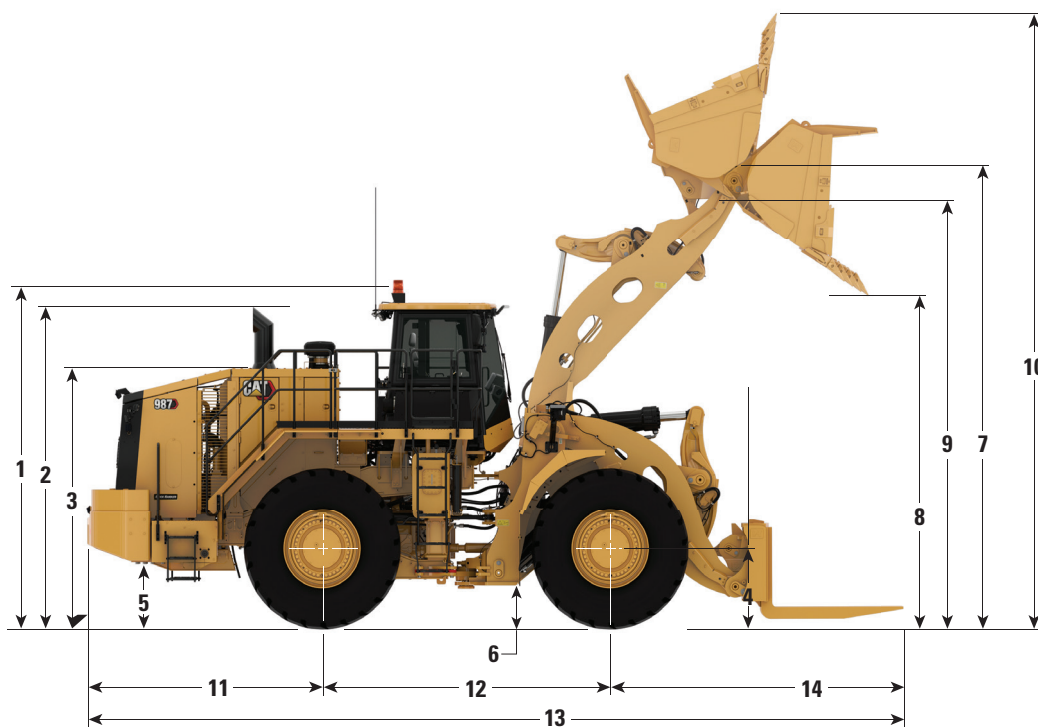
** European Union Directive “2000/14/EC” and UK Noise Regulation 2001 No. 1701.

- The machine sound power level was measured according to ISO 6395:2008. The measurement was conducted at 70% of the maximum engine cooling fan speed.
- The operator sound pressure level was measured according to ISO 6396:2008. The measurement was conducted at 70% of the maximum engine cooling fan speed.
- Hearing protection may be needed when the machine is operated with a cab that is not properly maintained or when the doors or windows are open for extended periods or in a noisy environment.

987 Block Handler Specifications

Dimensions

All dimensions are approximate.



	Quick Coupler and 6.1 m³ (8.0 yd³) Bucket		Quick Coupler and Fork	
1 Ground to Top of ROPS	4100 mm	13.5 ft	4100 mm	13.5 ft
2 Ground to Top of Exhaust Stacks	4060 mm	13.3 ft	4060 mm	13.3 ft
3 Ground to Top of Hood	3270 mm	10.7 ft	3270 mm	10.7 ft
4 Ground to Center of Rear Axle	978 mm	3.2 ft	978 mm	3.2 ft
5 Ground to Fuel Tank Clearance	691 mm	2.3 ft	691 mm	2.3 ft
6 Ground to Lower Hitch Clearance	459 mm	1.5 ft	459 mm	1.5 ft
7 Reach at Maximum Lift	2437 mm	8.0 ft	—	—
8 Clearance at Maximum Lift	3259 mm	10.7 ft	—	—
9 B-Pin Height at Maximum Lift	4566 mm	15.0 ft	4566 mm	15.0 ft
10 Maximum Overall Height, Bucket Raised	6359 mm	20.9 ft	—	—
11 Rear Axle Center Line to Bumper	3132 mm	10.3 ft	3132 mm	10.3 ft
12 Wheel Base	3810 mm	12.5 ft	3810 mm	12.5 ft
13 Maximum Overall Length	10 671 mm	35.0 ft	10 776 mm	35.4 ft
14 Front Axle Centerline to Bucket Tip	3729 mm	12.2 ft	3834 mm	12.6 ft

987 Block Handler Specifications

Load Capacity Curves

L5 Tires, Fork at 25 degree Rack Angle, 1795 mm (71") Tine, Block Handler Quick Coupler and Block Handler Fork.

- ◆ Payload (ISO 14397)
- Payload (ISO 20474 – Rough Terrain)
- ▲ Payload ISO 20474 – Firm and Level)
- ▣ Static Tipping Load – Articulated
- Static Tipping Load – Straight
- △ Hydraulic Tilt Capacity
- + Hydraulic Lift Capacity

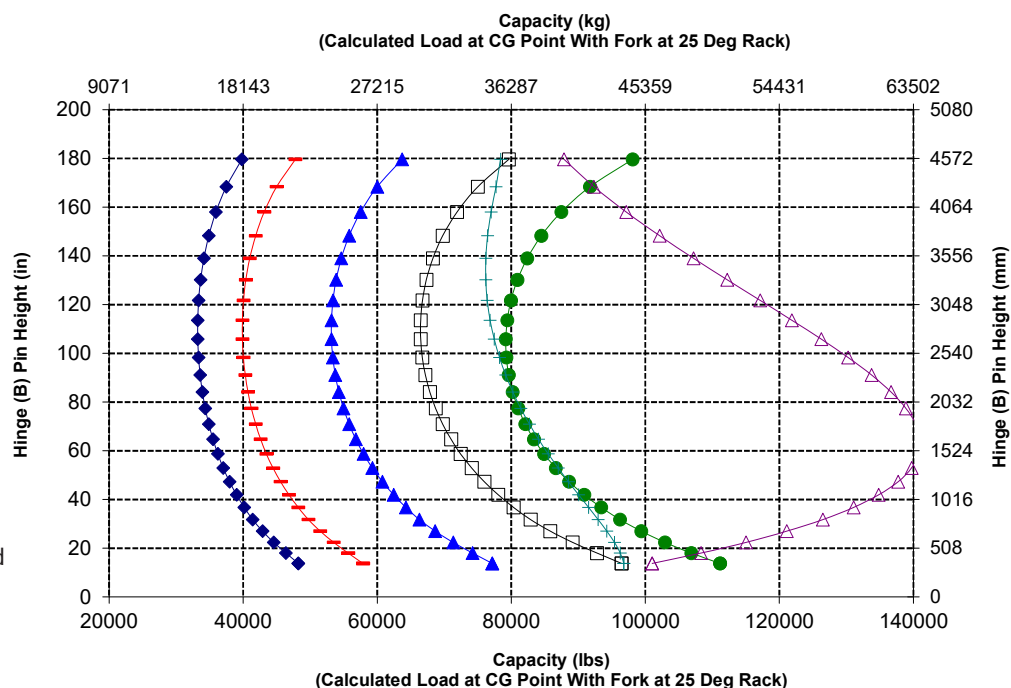
Specifications and ratings conform to the following standards:
ISO* 20474-3:2017, CEN** EN474-3 2022 and ISO 14397:2007.

The rated operating load for a loader equipped with a block handling fork for heavy single object handling is determined by:
ISO 20474-3:2017 and CEN EN474-3:2022:
60% of full turn static tipping load on rough terrain or hydraulic limit ISO 20474-3:2017 and CEN EN474-3:2022: 80% of full turn static tipping load on firm and level ground or hydraulic limit

The rated operating load for a loader equipped with a bucket is determined by: ISO 20474-3:2017 and CEN EN474-3:2022: 50% of full turn static tipping load or hydraulic limit

*ISO – International Organization for Standardization

**CEN – European Committee for Standardization



Operating Specifications

Tires: 35/65-33 SLR: 978 mm (3.2 ft)

Bucket Type		Bucket	Fork
Ground Engaging Tools		Teeth & Segments	
Cutting Edge Type		Spade	
Bucket Part No.		457-8930	418-0070
Struck Capacity	m ³ yd ³	4.4 5.8	
Heaped Capacity (rated)	m ³ yd ³	5.4 7.0	
Bucket Width	mm ft	3812 12.5	
Dump Clearance at Full Lift and Full Dump Angle (segment)	mm ft	3355 11.0	
Dump Clearance at Full Lift and Full Dump Angle (with teeth)	mm ft	3259 10.7	
Reach at Lift and Full Dump Angle (segment)	mm ft	2261 7.4	
Reach at Lift and Full Dump Angle (with teeth)	mm ft	2438 8.0	
Reach with Lift Arms Horizontal and Bucket Level (teeth)	mm ft	3518 11.5	
Digging Depth (segment)	mm in	103 4	
Overall Length (bucket ground level)	mm ft	10 671 35.0	10 776 35.4
Overall Height with Bucket at Full Raise	mm ft	6359 20.9	
Loader Clearance Turning Radius (SAE J1197 carry)	mm ft	8628 28.3	7736 25.4
Full Dump Angle	deg	-27	
Static Tipping Load Straight (rigid tire)	kg lb	36 511 80,493	35 522 78,313
Static Tipping Load Straight (tire squash)	kg lb	35 541 78,354	34 719 76,542
Static Tipping Load – Full Turn (articulated 35°) (rigid tire)	kg lb	31 927 70,387	31 322 69,053
Static Tipping Load – Full Turn (articulated 35°) (tire squash)	kg lb	29 711 65,501	29 278 64,547
Breakout Force	kN lbf	392 88,151	
Operating Weight	kg lb	52 929 116,688	50 688 111,748
Weight Distribution at SAE Carry (unloaded) – Front	kg lb	21 272 46,897	17 611 38,826
Weight Distribution at SAE Carry (unloaded) – Rear	kg lb	31 657 69,792	33 077 72,922

Bridgestone 42 PR bias tires with 6.6 bar (95 psi) pressure.

25 degree fork angle for tipping loads with 418-0070 forks.



For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com.

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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