986
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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986 Wheel Loader Specifications

Engine

Engine Model	Cat® C15	
Peak Power Speed	1,600 rpm	
Gross (SAE J1995:2014)	340 kW	456 hp
Gross (SAE J1995:2014) (DIN)		462 hp
Engine (ISO 14396:2002)	335 kW	449 hp
Engine (ISO 14396:2002) (DIN)		455 hp
Net Power (SAE J1349:2011)	278 kW	373 hp
Net Power (SAE J1349:2011) (DIN)		378 hp
Rated Speed	2,000 rpm	
EEC 80/1269	278 kW	373 hp
EEC 80/1269 (DIN)		378 hp
ISO 9249:2007	278 kW	373 hp
ISO 9249:2007 (DIN)		378 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) – SAE J1995:2014	2411 N·m	1,778 lb-ft
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.

Transmission

Transmission Type	Cat planetary power shift	
Forward 1	7.3 km/h	5.0 mph
Forward 2	12.2 km/h	8.0 mph
Direct Drive – Forward 2	12.7 km/h	8.0 mph
Direct Drive – Forward 3	22.0 km/h	14.0 mph
Direct Drive – Forward 4	39.0 km/h	24.0 mph
Reverse 1	7.6 km/h	5.0 mph
Reverse 2	13.6 km/h	8.0 mph
Direct Drive – Reverse 2	14.1 km/h	9.0 mph
Direct Drive – Reverse 3	25.0 km/h	16.0 mph
Direct Drive – Reverse 4	40.8 km/h	25.4 mph

Operating Specifications

Operating Weight – Standard	44 355 kg	97,785 lb
Operating Weight – High Lift	47 175 kg	104,005 lb
Rated Payload – Standard (Quarry Face)	10 tonnes	11.0 tons
Rated Payload – Standard (Loose Material)	12.7 tonnes	14.0 tons
Rated Payload – High Lift (Quarry Face)	10 tonnes	11.0 tons
Rated Payload – High Lift (Loose Material)	11 tonnes	12.1 tons
Bucket Capacity Range	5.0-10.3 m^3	6.5-13.5 yd^3
Cat Truck Match – Standard	770/735/740/745	
Cat Truck Match – High Lift	772/773	

Hydraulic System – Lift/Tilt

Lift/Tilt System – Circuit	Load Sense	
Lift/Tilt System Pumps	2 × 110 cc variable displacement	
Maximum Flow at 2,165 rpm	470 L/min	123 gal/min
Relief Valve Setting – Lift/Tilt	27 900 kPa	4,050 psi
Lift Cylinder – Bore	190 mm	7.5 in
Lift Cylinder – Stroke	1138 mm	45.0 in
Tilt Cylinder – Bore	170 mm	6.7 in
Tilt Cylinder – Stroke	722 mm	28.4 in

Hydraulic Cycle Time

Rackback	4.5 Seconds
Raise	9.0 Seconds
Dump	3.5 Seconds
Lower	5.2 Seconds
Lower Float Down	4.3 Seconds
Total Hydraulic Cycle Time	21.3 Seconds

Hydraulic System – Steering

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

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas.
- If equipped with R134a (Global Warming Potential = 1430), the system contains 1.8 kg (3.9 lb) of refrigerant, which has a CO_2 equivalent of 2.574 metric tonnes (2.837 tons).

Axles

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

Brakes

Brakes	ISO 3450:2011

Operator Cab

Rollover protective structure (ROPS)/ falling objects protective structure (FOPS)	ROPS/FOPS meet ISO 3471:2008 (ROPS) and ISO 3449:2005 Level II (FOPS)

Service Refill Capacities

Fuel Tank	535 L	141 gal
Fuel Tank (Short Lift)	481 L	127 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	330 L	87 gal
Hydraulic System (tank only)	130 L	34 gal

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” as amended by “2005/88/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.

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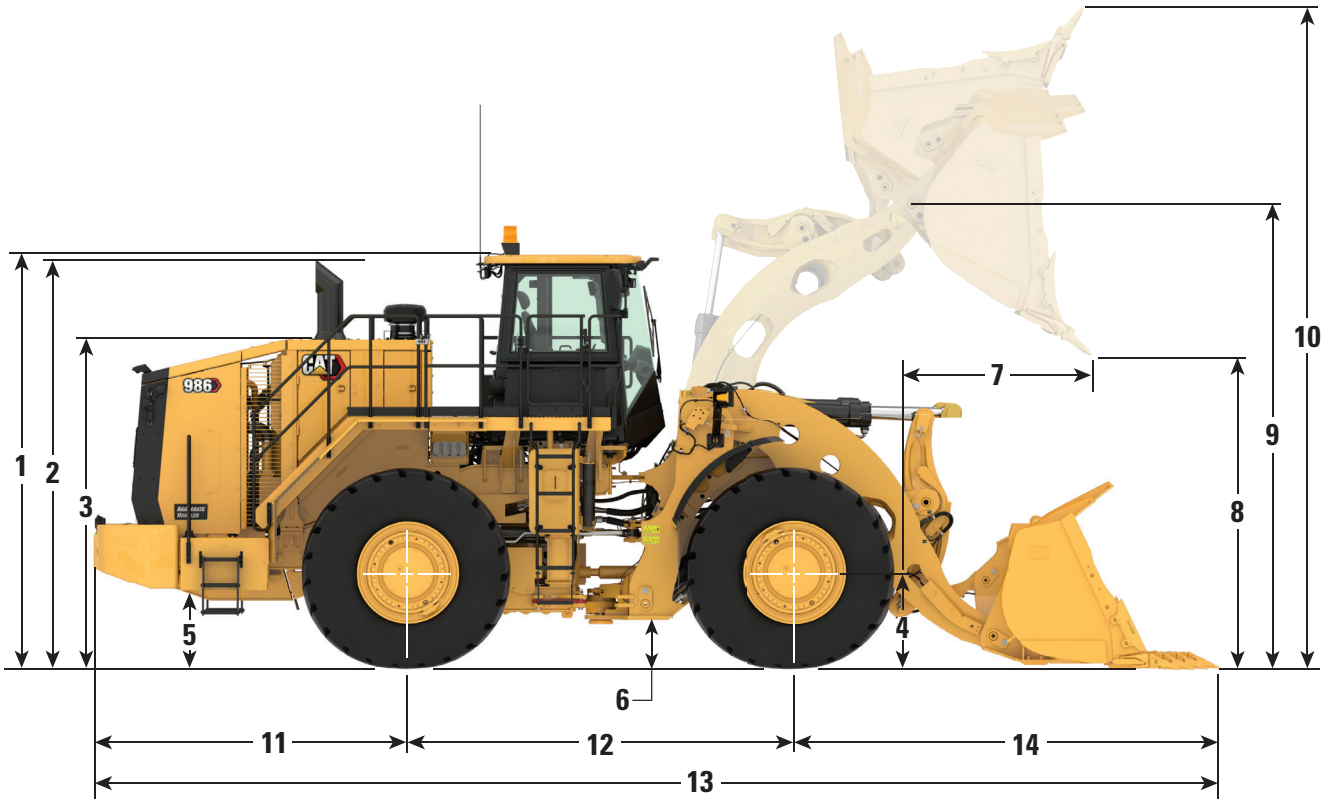
Dimensions

All dimensions are approximate.



		Standard Lift Linkage		High Lift Linkage	
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 Front 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	2175 mm	7.1 ft	2248 mm	7.4 ft
8	Clearance at Maximum Lift	3079 mm	10.1 ft	3538 mm	11.6 ft
9	B-Pin Height at Maximum Lift	4912 mm	16.1 ft	5371 mm	17.6 ft
10	Maximum Overall Height, Bucket Raised	6817 mm	22.4 ft	7276 mm	23.9 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	11 143 mm	36.6 ft	11 591 mm	38.0 ft
14	Front Axle Centerline to Bucket Tip	4201 mm	13.8 ft	4649 mm	15.3 ft

Note: Specifications are calculated with a 6.1 m^3 (8.0 yd^3) rock bucket.

Bucket Capacity/Material Density Selection Guide

Rock Buckets – Standard Lift/High Lift – 10 tonnes (11 tons) Rated Payload (Quarry Face)					
Material Density				Bucket Volume	
kg/m³	lb/yd³	tonnes/m³	tons/yd³	m³	yd³
1632-1795	2,750-3,025	1.63-1.80	1.38-1.51	6.1	8.0
1740-1914	2,933-3,227	1.74-1.91	1.46-1.61	5.7	7.5
1865-2051	3,143-3,457	1.86-2.05	1.57-1.73	5.4	7.0

General Purpose Buckets – Standard Lift – 12.7 tonnes (14 tons) Rated Payload (Loose Material)*					
Material Density				Bucket Volume	
kg/m³	lb/yd³	tonnes/m³	tons/yd³	m³	yd³
1512-1663	2,545-2,800	1.51-1.66	1.27-1.40	8.4	11.0
1671-1838	2,800-3,080	1.67-1.84	1.40-1.54	7.6	10.0
1984-2183	3,111-3,422	1.98-2.18	1.56-1.71	6.9	9.0

General Purpose Buckets – High Lift – 11 tonnes (12.1 tons) Rated Payload (Loose Material)					
Material Density				Bucket Volume	
kg/m³	lb/yd³	tonnes/m³	tons/yd³	m³	yd³
1310-1440	2,200-2,420	1.31-1.44	1.10-1.21	8.4	11.0
1447-1592	2,420-2,662	1.45-1.59	1.21-1.33	7.6	10.0
1719-1891	2,689-2,958	1.72-1.89	1.34-1.48	6.9	9.0

*Requires aggregate handler attachment.

Note: Rated Payload is the material weight in the bucket that the loader is designed to carry, excluding the weight of the bucket, ground engaging tools (GET), and wear material.
Rated Payloads are published at 100%, even though Caterpillar does allow 110%. These values are given in terms of mass. There is no consideration to loose density weights of various materials since they are so diverse. Refer to Large Wheel Loader Payload Policy.

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Aggregate Package Operating Specifications – Standard Lift

Bucket Type		General Purpose				Coal
Ground Engaging Tools		BOCE				BOCE
Cutting Edge Type		Straight				Straight
Bucket Part No.		512-1180	513-7400	513-7420	477-1900	513-7450
Struck Capacity	m^3	5.2	5.9	6.6	7.3	9.0
	yd^3	6.8	7.7	8.6	9.6	11.8
Heaped Capacity (rated)	m^3	6.1	6.9	7.7	8.4	10.3
	yd^3	8.0	9.0	10.0	11.0	13.5
Width	mm	3729	3729	3729	3729	3729
	ft	12.2	12.2	12.2	12.2	12.2
Dump Clearance at Full Lift and 45° Discharge (edge)	mm	3488	3403	3311	3222	3117
	ft	11.4	11.2	10.9	10.6	10.2
Dump Clearance at Full Lift and 45° Discharge (with teeth)	mm	—	—	—	—	—
	ft	—	—	—	—	—
Reach at Lift and 45° Discharge (edge)	mm	1815	1900	1992	2081	2161
	ft	6.0	6.2	6.5	6.8	7.1
Reach at Lift and 45° Discharge (with teeth)	mm	—	—	—	—	—
	ft	—	—	—	—	—
Reach with Lift Arms Horizontal and Bucket Level	mm	3396	3516	3646	3772	3903
	ft	11.1	11.5	12.0	12.4	12.8
Digging Depth	mm	143	143	143	143	160
	in	5.6	5.6	5.6	5.6	6.3
Overall Length	mm	10 589	10 709	10 839	10 965	11 110
	ft	34.7	35.1	35.6	36.0	36.4
Overall Height with Bucket at Full Raise	mm	6860	6964	7078	7000	7219
	ft	22.5	22.8	23.2	23.0	23.7
Loader Clearance Turning Radius (SAE carry with teeth)	mm	8663	8693	8727	8761	8832
	ft	28.4	28.5	28.6	28.7	29.0
Full Dump Angle	deg	–50	–50	–50	–50	–50
Static Tipping Load Straight (no tire squash)	kg	35 054	34 650	34 230	33 873	33 451
	lb	77,281	76,389	75,464	74,676	73,746
Static Tipping Load Straight (with tire squash)	kg	33 028	32 605	32 162	31 785	31 281
	lb	72,814	71,882	70,905	70,074	68,963
Static Tipping Load – Full Turn (articulated 35°) (no tire squash)	kg	30 959	30 571	30 168	29 827	29 404
	lb	68,254	67,398	66,509	65,758	64,824
Static Tipping Load – Full Turn (articulated 35°) (with tire squash)	kg	27 835	27 421	26 989	26 625	26 099
	lb	61,366	60,453	59,500	58,698	57,538
Breakout Force	kN	374	346	319	297	275
	lbf	84,131	77,794	71,825	66,831	61,799
Operating Weight	kg	46 695	46 926	47 170	47 345	47 772
	lb	102,944	103,453	103,991	104,377	105,318
Weight Distribution at SAE Carry (unloaded) – Front	kg	20 746	21 163	21 607	21 942	22 752
	lb	45,736	46,655	47,635	48,374	50,160
Weight Distribution at SAE Carry (unloaded) – Rear	kg	25 949	25 763	25 563	25 402	25 019
	lb	57,208	56,798	56,356	56,003	55,158
Weight Distribution at SAE Carry (loaded) – Front	kg	41 929	42 431	42 965	43 387	44 501
	lb	92,438	93,545	94,720	95,652	98,109
Weight Distribution at SAE Carry (loaded) – Rear	kg	17 466	17 195	16 906	16 659	15 971
	lb	38,507	37,909	37,271	36,726	35,210

BOCE = Bolt-on Cutting Edge

Operating Specifications – Standard Lift

Bucket Type			Rock		HD Rock
Ground Engaging Tools			Teeth & Segments		Teeth & Segments
Cutting Edge Type			Spade		Spade
Bucket Part No.		527-4050	527-4060	525-6140	527-4070
Struck Capacity	m^3	4.4	4.8	5.1	4.4
	yd^3	5.8	6.2	6.7	5.8
Heaped Capacity (rated)	m^3	5.4	5.7	6.1	5.4
	yd^3	7.0	7.5	8.0	7.0
Width	mm	3812	3812	3812	3840
	ft	12.5	12.5	12.5	12.6
Dump Clearance at Full Lift and 45° Discharge (edge)	mm	3363	3317	3278	3346
	ft	11.0	10.9	10.8	11.0
Dump Clearance at Full Lift and 45° Discharge (with teeth)	mm	3164	3118	3079	3116
	ft	10.4	10.2	10.1	10.2
Reach at Lift and 45° Discharge (edge)	mm	1922	1968	2007	1969
	ft	6.3	6.5	6.6	6.5
Reach at Lift and 45° Discharge (with teeth)	mm	2090	2136	2175	2143
	ft	6.9	7.0	7.1	7.0
Reach with Lift Arms Horizontal and Bucket Level	mm	3820	3885	3940	3891
	ft	12.5	12.7	12.9	12.8
Digging Depth	mm	155	155	155	134
	in	6.1	6.1	6.1	5.3
Overall Length	mm	11 023	11 088	11 143	11 077
	ft	36.2	36.4	36.6	36.3
Overall Height with Bucket at Full Raise	mm	6716	6771	6817	6716
	ft	22.0	22.2	22.4	22.0
Loader Clearance Turning Radius (SAE carry with teeth)	mm	8714	8731	8745	8752
	ft	28.6	28.6	28.7	28.7
Full Dump Angle	deg	–50	–50	–50	–50
Static Tipping Load Straight (no tire squash)	kg	28 760	28 557	28 400	27 744
	lb	63,404	62,958	62,611	61,165
Static Tipping Load Straight (with tire squash)	kg	27 211	26 999	26 834	26 204
	lb	59,990	59,523	59,159	57,770
Static Tipping Load – Full Turn (articulated 35°) (no tire squash)	kg	25 403	25 207	25 056	24 387
	lb	56,004	55,572	55,238	53,765
Static Tipping Load – Full Turn (articulated 35°) (with tire squash)	kg	23 110	22 902	22 742	22 106
	lb	50,949	50,490	50,137	48,735
Breakout Force	kN	336	323	313	325
	lbf	75,576	72,620	70,292	72,961
Operating Weight	kg	44 605	44 732	44 818	45 505
	lb	98,336	98,616	98,806	100,320
Weight Distribution at SAE Carry (unloaded) – Front	kg	23 207	23 440	23 602	24 767
	lb	51,162	51,676	52,034	54,601
Weight Distribution at SAE Carry (unloaded) – Rear	kg	21 398	21 292	21 215	20 738
	lb	47,174	46,940	46,772	45,719
Weight Distribution at SAE Carry (loaded) – Front	kg	39 865	40 131	40 324	41 412
	lb	87,887	88,475	88,898	91,297
Weight Distribution at SAE Carry (loaded) – Rear	kg	14 740	14 600	14 494	14 093
	lb	32,496	32,188	31,954	31,070

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Operating Specifications – Standard Lift

Bucket Type		General Purpose				Serrated	Coal
Ground Engaging Tools		BOCE					BOCE
Cutting Edge Type		Straight				Spade	Straight
Bucket Part No.		512-1180	513-7400	513-7420	477-1900	519-1465	513-7450
Struck Capacity	m^3	5.2	5.9	6.6	7.3	5.1	9.0
	yd^3	6.8	7.7	8.6	9.6	6.7	11.8
Heaped Capacity (rated)	m^3	6.1	6.9	7.7	8.4	6.1	10.3
	yd^3	8.0	9.0	10.0	11.0	8.0	13.5
Width	mm	3729	3729	3729	3729	3812	3729
	ft	12.2	12.2	12.2	12.2	12.5	12.2
Dump Clearance at Full Lift and 45° Discharge (edge)	mm	3488	3403	3311	3222	3328	3117
	ft	11.4	11.2	10.9	10.6	10.9	10.2
Dump Clearance at Full Lift and 45° Discharge (with teeth)	mm	—	—	—	—	3131	—
	ft	—	—	—	—	10.3	—
Reach at Lift and 45° Discharge (edge)	mm	1815	1900	1992	2081	2013	2161
	ft	6.0	6.2	6.5	6.8	6.6	7.1
Reach at Lift and 45° Discharge (with teeth)	mm	—	—	—	—	2210	—
	ft	—	—	—	—	7.3	—
Reach with Lift Arms Horizontal and Bucket Level	mm	3396	3516	3646	3772	3928	3903
	ft	11.1	11.5	12.0	12.4	12.9	12.8
Digging Depth	mm	143	143	143	143	115	160
	in	5.6	5.6	5.6	5.6	4.5	6.3
Overall Length	mm	10 589	10 709	10 839	10 965	11 099	11 110
	ft	34.7	35.1	35.6	36.0	36.4	36.4
Overall Height with Bucket at Full Raise	mm	6860	6964	7078	7000	6779	7219
	ft	22.5	22.8	23.2	23.0	22.2	23.7
Loader Clearance Turning Radius (SAE carry with teeth)	mm	8663	8693	8727	8761	8769	8832
	ft	28.4	28.5	28.6	28.7	28.8	29.0
Full Dump Angle	deg	–50	–50	–50	–50	–50	–50
Static Tipping Load Straight (no tire squash)	kg	29 324	28 943	28 546	28 212	28 869	27 788
	lb	64,649	63,808	62,933	62,196	63,646	61,261
Static Tipping Load Straight (with tire squash)	kg	27 729	27 331	26 916	26 566	27 305	26 080
	lb	61,132	60,254	59,340	58,568	60,197	57,496
Static Tipping Load – Full Turn (articulated 35°) (no tire squash)	kg	25 962	25 594	25 211	24 890	25 535	24 465
	lb	57,237	56,426	55,581	54,874	56,295	53,936
Static Tipping Load – Full Turn (articulated 35°) (with tire squash)	kg	23 611	23 223	22 817	22 477	23 223	21 973
	lb	52,053	51,198	50,303	49,553	51,198	48,442
Breakout Force	kN	374	346	319	297	323	275
	lbf	84,131	77,794	71,825	66,831	72,664	61,799
Operating Weight	kg	44 255	44 486	44 730	44 905	44 391	45 332
	lb	97,564	98,074	98,612	98,997	97,864	99,939
Weight Distribution at SAE Carry (unloaded) – Front	kg	22 496	22 913	23 357	23 692	22 811	24 503
	lb	49,594	50,514	51,493	52,233	50,290	54,019
Weight Distribution at SAE Carry (unloaded) – Rear	kg	21 759	21 573	21 373	21 212	21 579	20 829
	lb	47,970	47,560	47,119	46,765	47,574	45,920
Weight Distribution at SAE Carry (loaded) – Front	kg	39 169	39 653	40 168	40 571	39 642	41 621
	lb	86,353	87,421	88,554	89,445	87,395	91,759
Weight Distribution at SAE Carry (loaded) – Rear	kg	15 085	14 832	14 562	14 333	14 749	13 710
	lb	33,257	32,699	32,104	31,599	32,516	30,226

BOCE = Bolt-on Cutting Edge

Operating Specifications – High Lift

Bucket Type			Rock		HD Rock
Ground Engaging Tools			Teeth & Segments		Teeth & Segments
Cutting Edge Type			Spade		Spade
Bucket Part No.		527-4050	527-4060	525-6140	527-4070
Struck Capacity	m^3	4.4	4.8	5.1	4.4
	yd^3	5.8	6.2	6.7	5.8
Heaped Capacity (rated)	m^3	5.4	5.7	6.1	5.4
	yd^3	7.0	7.5	8.0	7.0
Width	mm	3812	3812	3812	3840
	ft	12.5	12.5	12.5	12.6
Dump Clearance at Full Lift and 45° Discharge (edge)	mm	3821	3775	3737	3805
	ft	12.5	12.4	12.3	12.5
Dump Clearance at Full Lift and 45° Discharge (with teeth)	mm	3623	3577	3538	3575
	ft	11.9	11.7	11.6	11.7
Reach at Lift and 45° Discharge (edge)	mm	1995	2041	2080	2042
	ft	6.5	6.7	6.8	6.7
Reach at Lift and 45° Discharge (with teeth)	mm	2163	2209	2248	2216
	ft	7.1	7.2	7.4	7.3
Reach with Lift Arms Horizontal and Bucket Level	mm	4184	4249	4304	4255
	ft	13.7	13.9	14.1	14.0
Digging Depth	mm	203	203	203	181
	in	8.0	8.0	8.0	7.1
Overall Length	mm	11 471	11 536	11 591	11 528
	ft	37.6	37.8	38.0	37.8
Overall Height with Bucket at Full Raise	mm	7174	7230	7276	7174
	ft	23.5	23.7	23.9	23.5
Loader Clearance Turning Radius (SAE carry with teeth)	mm	8914	8932	8948	8952
	ft	29.2	29.3	29.4	29.4
Full Dump Angle	deg	–50	–50	–50	–50
Static Tipping Load Straight (no tire squash)	kg	29 417	29 221	29 070	28 415
	lb	64,853	64,422	64,088	62,644
Static Tipping Load Straight (with tire squash)	kg	27 919	27 714	27 555	26 924
	lb	61,551	61,099	60,748	59,357
Static Tipping Load – Full Turn (articulated 35°) (no tire squash)	kg	25 805	25 616	25 471	24 803
	lb	56,891	56,473	56,153	54,682
Static Tipping Load – Full Turn (articulated 35°) (with tire squash)	kg	23 428	23 225	23 070	22 436
	lb	51,650	51,202	50,861	49,463
Breakout Force	kN	336	323	312	324
	lbf	75,501	72,547	70,222	72,875
Operating Weight	kg	47 425	47 552	47 638	48 325
	lb	104,553	104,833	105,023	106,537
Weight Distribution at SAE Carry (unloaded) – Front	kg	22 883	23 132	23 304	24 558
	lb	50,449	50,997	51,377	54,140
Weight Distribution at SAE Carry (unloaded) – Rear	kg	24 541	24 420	24 333	23 767
	lb	54,104	53,837	53,646	52,397
Weight Distribution at SAE Carry (loaded) – Front	kg	40 772	41 053	41 255	42 438
	lb	89,886	90,507	90,952	93,559
Weight Distribution at SAE Carry (loaded) – Rear	kg	16 653	16 498	16 382	15 887
	lb	36,713	36,372	36,117	35,024

986 Wheel Loader Specifications

Operating Specifications – High Lift

Bucket Type		General Purpose				Serrated	Coal
Ground Engaging Tools		BOCE					BOCE
Cutting Edge Type		Straight				Spade	Straight
Bucket Part No.		512-1180	513-7400	513-7420	477-1900	519-1465	513-7450
Struck Capacity	m^3	5.2	5.9	6.6	7.3	5.1	9.0
	yd^3	6.8	7.7	8.6	9.6	6.7	11.8
Heaped Capacity (rated)	m^3	6.1	6.9	7.7	8.4	6.1	10.3
	yd^3	8.0	9.0	10.0	11.0	8.0	13.5
Width	mm	3729	3729	3729	3729	3812	3729
	ft	12.2	12.2	12.2	12.2	12.5	12.2
Dump Clearance at Full Lift and 45° Discharge (edge)	mm	3946	3862	3770	3680	3787	3575
	ft	12.9	12.7	12.4	12.1	12.4	11.7
Dump Clearance at Full Lift and 45° Discharge (with teeth)	mm	—	—	—	—	3590	—
	ft	—	—	—	—	11.8	—
Reach at Lift and 45° Discharge (edge)	mm	1888	1972	2064	2154	2086	2234
	ft	6.2	6.5	6.8	7.1	6.8	7.3
Reach at Lift and 45° Discharge (with teeth)	mm	—	—	—	—	2283	—
	ft	—	—	—	—	7.5	—
Reach with Lift Arms Horizontal and Bucket Level	mm	3760	3880	4010	4136	4292	4267
	ft	12.3	12.7	13.2	13.6	14.1	14.0
Digging Depth	mm	190	190	190	190	163	208
	in	7.5	7.5	7.5	7.5	6.4	8.2
Overall Length	mm	11 039	11 159	11 289	11 415	11 552	11 558
	ft	36.2	36.6	37.0	37.5	37.9	37.9
Overall Height with Bucket at Full Raise	mm	7319	7423	7536	7459	7237	7677
	ft	24.0	24.4	24.7	24.5	23.7	25.2
Loader Clearance Turning Radius (SAE carry with teeth)	mm	8861	8894	8931	8967	8967	9038
	ft	29.1	29.2	29.3	29.4	29.4	29.7
Full Dump Angle	deg	–50	–50	–50	–50	–50	–50
Static Tipping Load Straight (no tire squash)	kg	29 955	29 587	29 204	28 884	29 533	28 457
	lb	66,040	65,229	64,385	63,679	65,109	62,736
Static Tipping Load Straight (with tire squash)	kg	28 416	28 027	27 623	27 283	28 019	26 790
	lb	62,646	61,789	60,898	60,149	61,771	59,062
Static Tipping Load – Full Turn (articulated 35°) (no tire squash)	kg	26 339	25 984	25 614	25 307	25 943	24 879
	lb	58,068	57,285	56,470	55,793	57,194	54,848
Static Tipping Load – Full Turn (articulated 35°) (with tire squash)	kg	23 905	23 528	23 134	22 807	23 544	22 295
	lb	52,701	51,870	51,002	50,281	51,906	49,152
Breakout Force	kN	374	346	319	297	323	275
	lbf	84,040	77,709	71,746	66,757	72,571	61,739
Operating Weight	kg	47 075	47 306	47 550	47 725	47 211	48 152
	lb	103,782	104,291	104,829	105,215	104,081	106,156
Weight Distribution at SAE Carry (unloaded) – Front	kg	22 131	22 576	23 049	23 406	22 457	24 251
	lb	48,790	49,771	50,815	51,601	49,509	53,463
Weight Distribution at SAE Carry (unloaded) – Rear	kg	24 944	24 730	24 500	24 319	24 754	23 901
	lb	54,992	54,520	54,014	53,613	54,572	52,693
Weight Distribution at SAE Carry (loaded) – Front	kg	40 035	40 546	41 088	41 512	40 498	42 557
	lb	88,262	89,389	90,584	91,518	89,282	93,821
Weight Distribution at SAE Carry (loaded) – Rear	kg	17 039	16 760	16 461	16 213	16 713	15 595
	lb	37,566	36,948	36,291	35,743	36,845	34,381

BOCE = Bolt-on Cutting Edge

Standard and Optional Equipment

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

	Standard	Optional
ELECTRICAL		
Alarm, back-up	✓	
Alternator, single 145 amp	✓	
Batteries, maintenance-free	✓	
Converter, 10/15 amp, 24V to 12V	✓	
Lighting system (LED, work lights, access and service platform lighting)	✓	
Starting and charging system, 24V	✓	
Auxiliary jump start receptacle	✓	
OPERATOR ENVIRONMENT		
Air conditioner	✓	
Cab precleaner	✓	
Cab, sound suppressed and pressurized, integrated rollover protective structure/falling objects protective structure (ROPS/FOPS)	✓	
Cat® Detect, object detection system		✓
Cat Vision, rear vision camera system	✓	
Cat Production Measurement*		✓
Cat Production Measurement* ready	✓	
Controls, lift and tilt function	✓	
Graphical information display, displays real-time operating information, performs calibrations, and customizes operator settings	✓	
Heater, defroster	✓	
Horn, electric	✓	
Instrumentation, gauges: coolant temperature, fuel level, DEF level, hydraulic oil temperature, powertrain oil temperature	✓	
LED warning strobe		✓
Light, cab, dome	✓	
Lights, directional	✓	
Lights, LED	✓	
Lunchbox, beverage holders	✓	
Mirrors, handrail mounted		✓
Mirrors, rearview (externally mounted)	✓	
Printer, payload		✓
Radio, AM/FM/CD/MP3, Bluetooth® with Satellite Sirius		✓
Radio, CB ready		✓

	Standard	Optional
OPERATOR ENVIRONMENT (CONTINUED)		
Seat, Cat Comfort (cloth), air suspension, six-way adjustable	✓	
Seat belt minder	✓	
Seat belt, retractable, 76 mm (3 in) wide	✓	
Steering and Integrated Control (STIC™) System	✓	
Transmission gear indicator	✓	
UV glass	✓	
Wet-arm wipers/washers (front and rear) – intermittent front and rear wipers	✓	
Window pull-down visor		✓
POWERTRAIN		
Antifreeze -50° C (-58° F)		✓
Autolube – linkage, cylinder, and hitch pins		✓
Axle oil cooling		✓
Brakes, oil-cooled, multi-disc, service/ secondary	✓	
Case drain screens	✓	
Crankcase guard	✓	
Electro hydraulic parking brake	✓	
Engine block heater 120V or 240V		✓
Engine, C15 MEUI™ diesel, turbocharged/ aftercooled	✓	
Engine oil change system, high speed, Wiggins		✓
Ground-level engine shutdown switch	✓	
High ambient cooling – software		✓
Hydraulic oil, Arctic -40° C (-40° F)		✓
Manual switch and automatic fuel priming	✓	
Ride control		✓
Secondary steering		✓
Starting aid, ether, automatic	✓	
Torque converter, neutralizer	✓	
Transmission, planetary powershift, 4F/3R electronic control	✓	
Turbine precleaner, engine air intake	✓	

*Not legal for trade

986 Wheel Loader Standard and Optional Equipment

Standard and Optional Equipment

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

	Standard	Optional
ADDITIONAL EQUIPMENT		
Automatic bucket lift kickout/positioner	✓	
Base machine price includes a rim allowance	✓	
Cat® Clean Emission Module (CEM)	✓	
Cold weather starting (extra two batteries)		✓
Compression brake, engine		✓
Couplings, Cat O-ring face seals	✓	
Demand fan, hydraulically driven	✓	
Doors, service access (locking)	✓	
Ecology drains for engine, radiator, hydraulic tank	✓	
Fast fill fuel system (Shaw-Aero)		✓
Front and rear roading fenders		✓
Fuel tank, 535 L (141 gal)	✓	
Hitch, drawbar with pin	✓	
Hoses, Cat XT™	✓	
Hydraulic, steering and brake filtration/ screening system	✓	

	Standard	Optional
ADDITIONAL EQUIPMENT (CONTINUED)		
Oil sampling valves	✓	
Premixed 50% concentration of extended life coolant with freeze protection to -34° C (-29° F)	✓	
Rear access to cab and service platform	✓	
Sound suppression, engine enclosure		✓
Steering, load sensing	✓	
Tire Pressure Monitoring System		✓
Toe kicks	✓	
Wheel chocks		✓
Vandalism protection caplocks	✓	
OTHER OPTIONAL CONFIGURATIONS		
Aggregate handler		✓
Block handler		✓

986 Environmental Declaration

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

- The Cat® C15 engine is available in configurations that meet U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards or Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Cat U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) 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 (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels
- Cat engines meeting Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA, are compatible with* diesel fuel blended with 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 can use higher blends, up to 100% biodiesel (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 R134a or R1234yf. See the label or instruction manual for identification of the gas.
- If equipped with R134a (Global Warming Potential = 1430), the system contains 1.8 kg (3.9 lb) of refrigerant, which has a CO_2 equivalent of 2.574 metric tonnes (2.837 tons).

Paint

- Based on best available knowledge, the maximum allowable concentration, measured in parts per million (PPM), of the following heavy metals in paint are:
  - Barium < 0.01%
  - Cadmium < 0.01%
  - Chromium < 0.01%
  - Lead < 0.01%

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" as amended by "2005/88/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.

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.

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.
  - Reduce fuel burn while idling with engine idle shutdown
  - 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 reduce fluid and filter consumption
  - 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

986

Block Handler

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

Proven Reliability

- The highly responsive Cat C15 engine is built and tested for maximum performance.
- Mechanically Actuated Electronic Unit Injection (MEUI™) fuel system and Advanced Diesel Engine Management (ADEM™) A5 electronic control module manage fuel delivery for optimum performance and quick engine response.
- Available in aggregate handler configuration with 14-ton payload.
- System match efficiency up to 60-ton rigid-frame trucks.

Durability

- 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.
- Load sense hydraulics maximize performance, lower heat and fuel consumption.
- Advanced filtration system for extended performance and reliability of the hydraulic system.

Superior Fuel Efficiency

- World-class efficiency while truck loading.
- Torque converter with lock-up clutch improves travel speed, cycle times.
- Engine Idle Shutdown saves fuel from unnecessary idling. Move up to 10% more material per gallon of fuel.
- Consistent performance and efficiency with lower system heat.

Increase Operator Efficiency with Integrated Technologies

- Developed to monitor, manage, and enhance your jobsite operations.
- 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.
- Gain valuable insight into how your machine or fleet is performing.
- Optional Advanced Productivity subscription provides comprehensive actionable information to help you manage and improve the productivity and profitability of your operations.

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.

Engine

Engine Model	Cat® C15	
Peak Power Speed	1,600 rpm	
Gross (SAE J1995:2014)	340 kW	456 hp
Gross (SAE J1995:2014) (DIN)		462 hp
Engine (ISO 14396:2002)	335 kW	449 hp
Engine (ISO 14396:2002) (DIN)		455 hp
Net Power (SAE J1349:2011)	278 kW	373 hp
Net Power (SAE J1349:2011) (DIN)		378 hp
Rated Speed	2,000 rpm	
EEC 80/1269	278 kW	373 hp
EEC 80/1269 (DIN)		378 hp
ISO 9249:2007	278 kW	373 hp
ISO 9249:2007 (DIN)		378 hp
Bore	137 mm	5.4 in
Stroke	171.5 mm	6.75 in
Displacement	15.2 L	927 in3
Peak Torque (1,200 rpm) – SAE J1995:2014	2411 N·m	1,778 lb-ft
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.

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 × 110 cc variable displacement	
Maximum Flow at 2,165 rpm	470 L/min	123 gal/min
Relief Valve Setting – Lift/Tilt	27 900 kPa	4,050 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	8.5 Seconds
Dump	3 Seconds
Lower	4.9 Seconds
Lower Float Down	4.3 Seconds
Total Hydraulic Cycle Time	15.8 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	330 L	87 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 R134a or R1234yf. See the label or instruction manual for identification of the gas.
- If equipped with R134a (Global Warming Potential = 1430), the system contains 1.8 kg (3.9 lb) of refrigerant, which has a CO_2 equivalent of 2.574 metric tonnes (2.837 tons).

986 Block Handler Specifications

Axles

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

Brakes

Brakes	ISO 3450:2011

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)

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)**

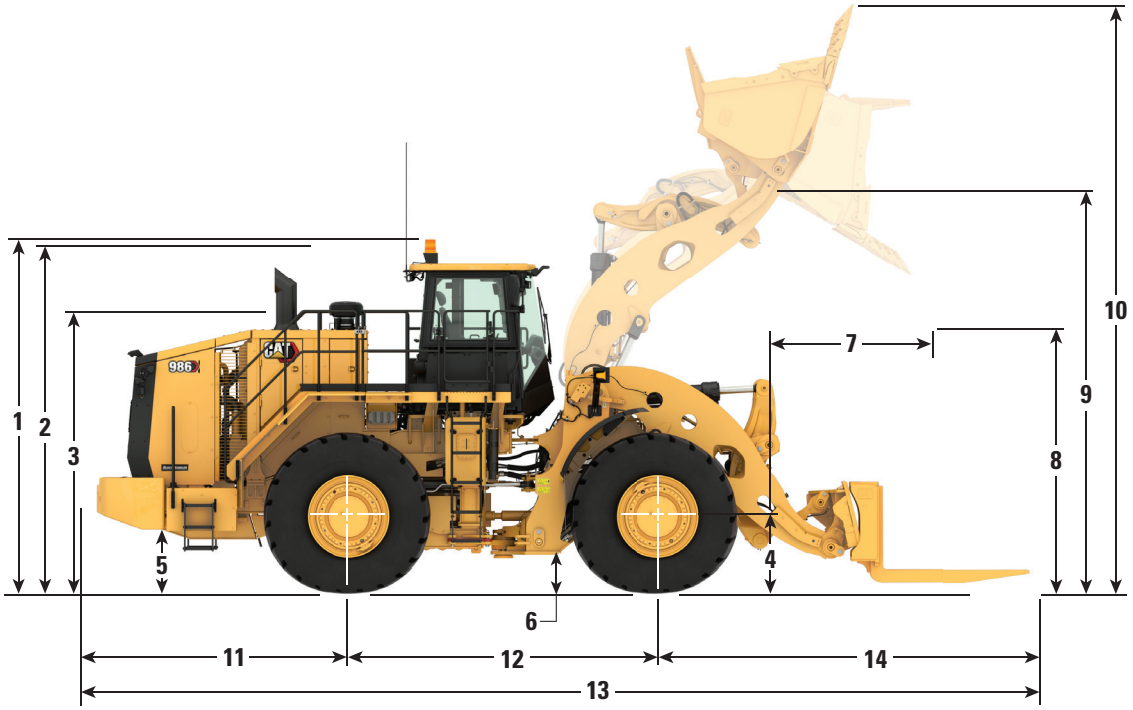
*For machines in European Union countries and in countries that adopt the “EU Directives” and “UK Directives.”

**European Union Directive “2000/14/EC” as amended by “2005/88/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.

Dimensions

All dimensions are approximate.

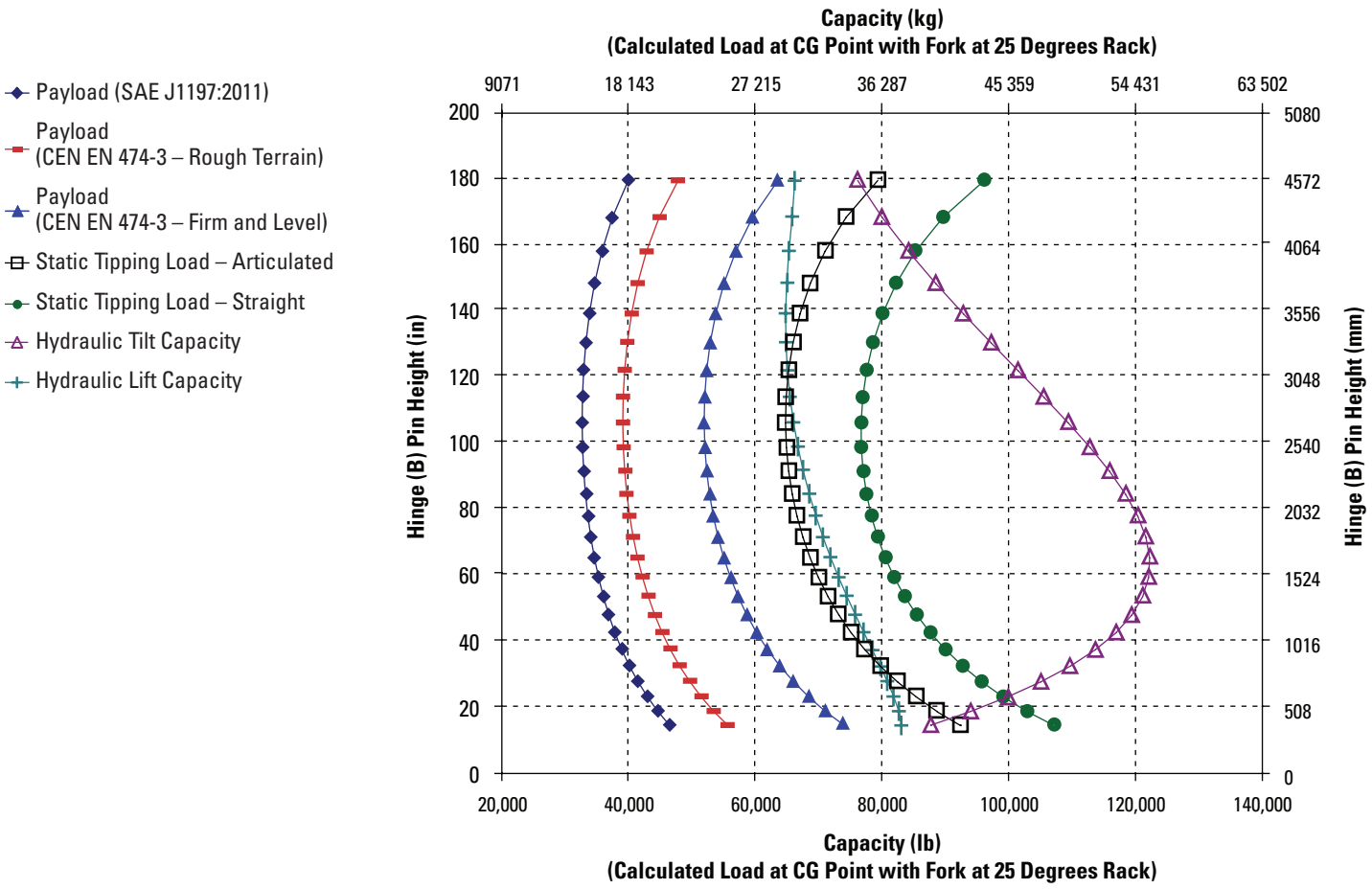


		Quick Coupler and 6.1 m³ (8.0 yd³) Bucket		Quick Coupler and Fork	
1	Ground to Top of ROPS	4100 mm	13.5 ft	4100 mm	13.5 ft
2	Ground to Top of Exhaust Stacks	4060 mm	13.3 ft	4060 mm	13.3 ft
3	Ground to Top of Hood	3270 mm	10.7 ft	3270 mm	10.7 ft
4	Ground to Center of Rear Axle	978 mm	3.2 ft	978 mm	3.2 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

986 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.



NOTE:

Static tipping loads and operating weight are based on the following loader configuration: L5 Bridgestone bias tires, air conditioning, ride control, powertrain guard, full fluids, fuel tank, coolant, lubricants, and operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:

SAE J1197:2011 50% of full turn static tipping load or hydraulic limit.

CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.

CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE – Society of Automotive Engineers

**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	4.4	
	yd^3	5.8	
Heaped Capacity (rated)	m^3	5.4	
	yd^3	7.0	
Bucket Width	mm	3812	
	ft	12.5	
Dump Clearance at Full Lift and Full Dump Angle (segment)	mm	3355	
	ft	11.0	
Dump Clearance at Full Lift and Full Dump Angle (with teeth)	mm	3259	
	ft	10.7	
Reach at Lift and Full Dump Angle (segment)	mm	2261	
	ft	7.4	
Reach at Lift and Full Dump Angle (with teeth)	mm	2438	
	ft	8.0	
Reach with Lift Arms Horizontal and Bucket Level (teeth)	mm	3518	
	ft	11.5	
Digging Depth (segment)	mm	103	
	in	4	
Overall Length (bucket ground level)	mm	10 671	10 776
	ft	35.0	35.4
Overall Height with Bucket at Full Raise	mm	6359	
	ft	20.9	
Loader Clearance Turning Radius (SAE J1197 carry)	mm	8628	7736
	ft	28.3	25.4
Full Dump Angle	deg	–27	
Static Tipping Load Straight (rigid tire)	kg	36 511	35 522
	lb	80,493	78,313
Static Tipping Load Straight (tire squash)	kg	35 541	34 719
	lb	78,354	76,542
Static Tipping Load – Full Turn (articulated 35°) (rigid tire)	kg	31 927	31 322
	lb	70,387	69,053
Static Tipping Load – Full Turn (articulated 35°) (tire squash)	kg	29 711	29 278
	lb	65,501	64,547
Breakout Force	kN	338	
	lbf	76,075	
Operating Weight	kg	52 929	50 688
	lb	116,688	111,748
Weight Distribution at SAE Carry (unloaded) – Front	kg	21 272	17 611
	lb	46,897	38,826
Weight Distribution at SAE Carry (unloaded) – Rear	kg	31 657	33 077
	lb	69,792	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.

986 Block Handler Specifications

Standard and Optional Equipment

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

	Standard	Optional
ELECTRICAL		
Alarm, back-up	✓	
Alternator, single 145 amp	✓	
Batteries, maintenance-free	✓	
Converter, 10/15 amp, 24V to 12V	✓	
Lighting system (LED, work lights, access and service platform lighting)	✓	
Starting and charging system, 24V	✓	
Auxiliary jump start receptacle	✓	
OPERATOR ENVIRONMENT		
Air conditioner	✓	
Cab precleaner	✓	
Cab, sound suppressed and pressurized, integrated rollover protective structure/falling objects protective structure (ROPS/FOPS)	✓	
Cat® Detect, object detection system		✓
Cat Vision, rear vision camera system	✓	
Cat Production Measurement*		✓
Cat Production Measurement* ready	✓	
Controls, lift and tilt function	✓	
Graphical information display, displays real-time operating information, performs calibrations, and customizes operator settings	✓	
Heater, defroster	✓	
Horn, electric	✓	
Instrumentation, gauges: coolant temperature, fuel level, DEF level, hydraulic oil temperature, powertrain oil temperature	✓	
LED warning strobe		✓
Light, cab, dome	✓	
Lights, directional	✓	
Lights, LED	✓	
Lunchbox, beverage holders	✓	
Mirrors, handrail mounted		✓
Mirrors, rearview (externally mounted)	✓	
Printer, payload		✓
Radio, AM/FM/CD/MP3, Bluetooth® with Satellite Sirius		✓
Radio, CB ready		✓

	Standard	Optional
OPERATOR ENVIRONMENT (CONTINUED)		
Seat, Cat Comfort (cloth), air suspension, six-way adjustable	✓	
Seat belt minder	✓	
Seat belt, retractable, 76 mm (3 in) wide	✓	
Steering and Integrated Control (STIC™) System	✓	
Transmission gear indicator	✓	
UV glass	✓	
Wet-arm wipers/washers (front and rear) – intermittent front and rear wipers	✓	
Window pull-down visor		✓
POWERTRAIN		
Antifreeze -50° C (-58° F)		✓
Autolube – linkage, cylinder, and hitch pins		✓
Axle oil cooling		✓
Brakes, oil-cooled, multi-disc, service/ secondary	✓	
Case drain screens	✓	
Crankcase guard	✓	
Electro hydraulic parking brake	✓	
Engine block heater 120V or 240V		✓
Engine, C15 MEUI™ diesel, turbocharged/ aftercooled	✓	
Engine oil change system, high speed, Wiggins		✓
Ground+level engine shutdown switch	✓	
High ambient cooling – software		✓
Hydraulic oil, Arctic -40° C (-40° F)		✓
Manual switch and automatic fuel priming	✓	
Ride control		✓
Secondary steering		✓
Starting aid, ether, automatic	✓	
Torque converter, neutralizer	✓	
Transmission, planetary powershift, 4F/3R electronic control	✓	
Turbine precleaner, engine air intake	✓	

*Not legal for trade

Standard and Optional Equipment

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

ADDITIONAL EQUIPMENT	Standard	Optional
Automatic bucket lift kickout/positioner	✓	
Base machine price includes a rim allowance	✓	
Cat® Clean Emission Module (CEM)	✓	
Cold weather starting (extra two batteries)		✓
Compression brake, engine		✓
Couplings, Cat O-ring face seals	✓	
Demand fan, hydraulically driven	✓	
Doors, service access (locking)	✓	
Ecology drains for engine, radiator, hydraulic tank	✓	
Fast fill fuel system (Shaw-Aero)		✓
Front and rear roading fenders		✓
Fuel tank, 535 L (141 gal)	✓	
Hitch, drawbar with pin	✓	
Hoses, Cat XT™	✓	
Hydraulic, steering and brake filtration/ screening system	✓	

ADDITIONAL EQUIPMENT (CONTINUED)	Standard	Optional
Oil sampling valves	✓	
Premixed 50% concentration of extended life coolant with freeze protection to -34° C (-29° F)	✓	
Rear access to cab and service platform	✓	
Sound suppression, engine enclosure		✓
Steering, load sensing	✓	
Tire Pressure Monitoring System		✓
Toe kicks	✓	
Wheel chocks		✓
Vandalism protection caplocks	✓	

オフロード法２０１４年
基準適合

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.

AEXQ3625-01 (05-2025)
Replaces AEXQ3625-00
Build Number: 11B
(Global)

CAT®