



980M

Wheel Loader

Technical Specifications

Engine – (Tier 3/Stage IIIA equivalent)¹

Engine Model	Cat® C13	
Maximum Power @ 1,800 rpm		
SAE J1995	307 kW	412 hp
Maximum Power @ 1,800 rpm		
ISO 14396	303 kW	406 hp
Maximum Net Power @ 1,800 rpm		
SAE J1349	278 kW	373 hp
Maximum Net Power @ 1,800 rpm		
ISO 9249	278 kW	373 hp
Peak Gross Torque (1,300 rpm)		
SAE J1995	2192 N·m	1,617 lbf-ft
Peak Gross Torque (1,300 rpm)		
ISO 14396	2172 N·m	1,602 lbf-ft
Maximum Net Torque (1,000 rpm)	2040 N·m	1,505 lbf-ft
Bore	130 mm	5.12 in
Stroke	157 mm	6.18 in
Displacement	12.5 L	763 in ³

¹ Meets Brazil MAR-1, UN ECE R96 Stage IIIA, and China Nonroad Stage III emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.

Buckets

Bucket Capacities	4.20-12.20 m ³	5.25-16.0 yd ³
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Weight

Operating Weight	30 090 kg	66,337 lb
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- Weight based on a machine configuration with Michelin 29.5R25 XLDD1 L4 radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link™, open differential axles (front/rear), secondary steering, sound suppression, and a 5.4 m³ (7.1 yd³) general purpose bucket with BOCE.

Operating Specifications

Static Tipping Load – Full 40° Turn		
With Tire Deflection	19 565 kg	43,133 lb
No Tire Deflection	20 796 kg	45,847 lb
Breakout Force	224 kN	50,357 lbf

- Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

Engine – (Tier 4 Final/Stage V)²

Engine Model	Cat C13	
Maximum Power (1,700 rpm)		
SAE J1995	317 kW	425 hp
Maximum Power (1,700 rpm)		
ISO 14396	313 kW	420 hp
Maximum Net Power (1,700 rpm)		
SAE J1349	288 kW	386 hp
Maximum Net Power (1,700 rpm)		
ISO 9249	288 kW	386 hp
Peak Gross Torque (1,200 rpm)		
SAE J1995	2206 N·m	1,627 lbf-ft
Peak Gross Torque (1,200 rpm)		
ISO 14396	2182 N·m	1,609 lbf-ft
Maximum Net Torque (1,100 rpm)	2054 N·m	1,515 lbf-ft
Bore	130 mm	5.12 in
Stroke	157 mm	6.18 in
Displacement	12.5 L	763 in ³

² Meets U.S. EPA Tier 4 Final, either EU Stage V or EU Stage IV*, Japan 2014, and Korea Tier 4 Final emission standards.

- * Stage IV engines comply with the transition provisions of the EU nonroad emission regulation.
- The power ratings apply at the stated speed when tested under the reference conditions for the specified standards.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner and aftertreatment.
- The gross power advertised is with the fan at maximum speed.

Transmission

Forward 1	6.9 km/h	4.3 mph
Forward 2	13.3 km/h	8.3 mph
Forward 3	23.5 km/h	14.6 mph
Forward 4	39.5 km/h	24.5 mph
Reverse 1	7.8 km/h	4.8 mph
Reverse 2	15.2 km/h	9.4 mph
Reverse 3	26.9 km/h	16.7 mph
Reverse 4	39.5 km/h	24.5 mph

- Maximum travel speed in standard vehicle with empty bucket and standard L4 tires with 933 mm (37 in) roll radius.



980M Wheel Loader Specifications

Hydraulic System

Implement Pump Type	Variable Displacement Piston	
Implement System		
Maximum Pump Output (2,250 rpm)	449 L/min	119 gal/min
Maximum Operating Pressure	34 300 kPa	4,975 psi
Optional 3 rd Function Maximum Flow	240 L/min	63 gal/min
Optional 3 rd Function Maximum Pressure	21 780 kPa	3,159 psi
Hydraulic Cycle Time with Rated Payload:		
Raise from Carry Position	5.3 Seconds	
Dump, at Maximum Raise	1.7 Seconds	
Lower, Empty, Float Down	3.1 Seconds	
Total	10.1 Seconds	

Brakes

Brakes	Brakes meet ISO 3450:2011 standards
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Axles

Front	Fixed	
Rear	Oscillating ± 13 degrees	
Maximum Single-Wheel Rise and Fall	549 mm	1'10"

Service Refill Capacities

Fuel Tank	426 L	112.5 gal
DEF Tank	21 L	5.5 gal
Cooling System (Tier 4/Stage V)	53 L	14.0 gal
Cooling System (Tier 3/Stage IIIA equivalent)	45 L	12.0 gal
Crankcase	37 L	9.8 gal
Transmission	77 L	20.3 gal
Differentials and Final Drives – Front	84 L	22 gal
Differentials and Final Drives – Rear	84 L	22 gal
Hydraulic Tank	153 L	40 gal

Cab

ROPS/FOPS	ROPS/FOPS meet ISO 3471:2008 and ISO 3449:2005 Level II standards
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Sound – Tier 3/Stage IIIA equivalent

The sound values indicated below are for specific operating conditions only. Machine and operator sound levels will vary at different engine and/or cooling fan speeds. Hearing protection may be needed when the machine is operated with a cabin that is not properly maintained, or when the doors and/or windows are open for extended periods or in a noisy environment.

Operator Sound Pressure Level (ISO 6396:2008)	75 dB(A)*
Exterior Sound Power Level (ISO 6395:2008)	112 dB(A)*
Exterior Sound Pressure Level (SAE J88:2013)	78 dB(A)**

*For a typical machine configuration, measured according to the procedures specified with the cooling fan speed set at maximum value.

**For a typical machine configuration, measured according to the procedures specified. The measurement was conducted under the following conditions: distance of 15 m (49.2 ft), moving forward in second gear ratio with the cooling fan speed set at maximum value.

Sound – Tier 4 Final/Stage V

The sound values indicated below are for specific operating conditions only. Machine and operator sound levels will vary at different engine and/or cooling fan speeds. Hearing protection may be needed when the machine is operated with a cabin that is not properly maintained, or when the doors and/or windows are open for extended periods or in a noisy environment.

Operator Sound Pressure Level (ISO 6396:2008)	72 dB(A)*
Exterior Sound Power Level (ISO 6395:2008)	112 dB(A)*
Exterior Sound Pressure Level (SAE J88:2013)	78 dB(A)**

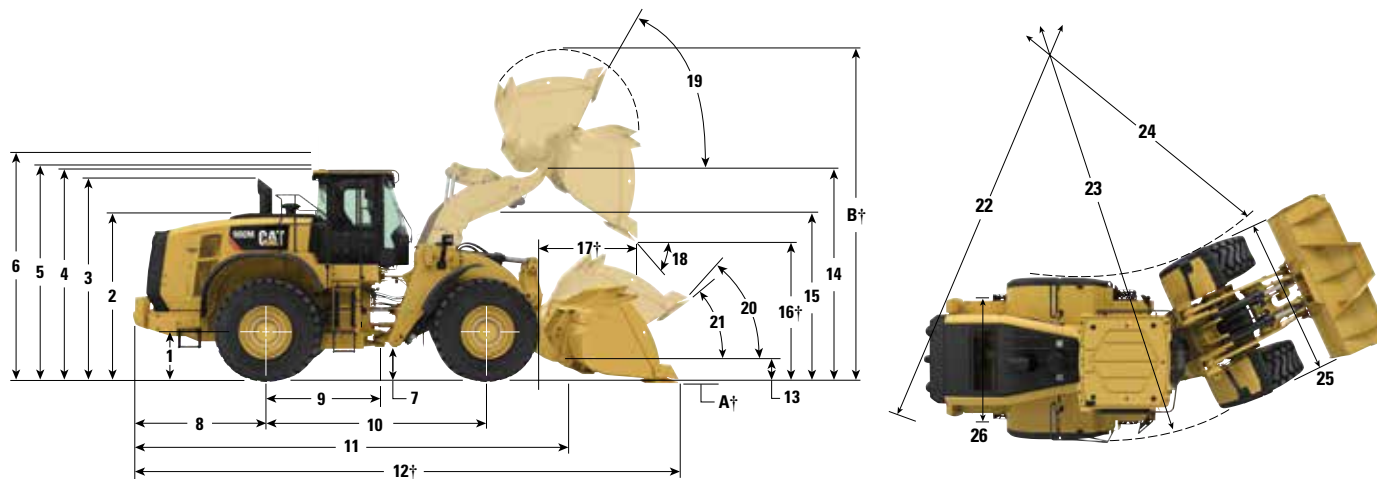
*For a typical machine configuration, measured according to the procedures specified with the cooling fan speed set at maximum value.

**For a typical machine configuration, measured according to the procedures specified. The measurement was conducted under the following conditions: distance of 15 m (49.2 ft), moving forward in second gear ratio with the cooling fan speed set at maximum value.

980M Wheel Loader Specifications

Dimensions

All dimensions are approximate.



	Standard Lift		High Lift	
1 Height to Axle Centerline	892 mm	2'11"	892 mm	2'11"
2 Height to Top of Hood	3110 mm	10'3"	3110 mm	10'3"
3 Height to Top of Exhaust Pipe	3746 mm	12'4"	3746 mm	12'4"
4 Height to Top of ROPS	3813 mm	12'7"	3813 mm	12'7"
5 Height to Top of Product Link Antenna	3891 mm	12'10"	3891 mm	12'10"
6 Height to Top of Warning Beacon	4112 mm	13'6"	4112 mm	13'6"
7 Ground Clearance	453 mm	1'5"	453 mm	1'5"
8 Center Line of Rear Axle to Edge of Counterweight	2469 mm	8'2"	2469 mm	8'2"
9 Center Line of Rear Axle to Hitch	1900 mm	6'3"	1900 mm	6'3"
10 Wheelbase	3800 mm	12'6"	3800 mm	12'6"
11 Overall Length (without bucket)	7964 mm	26'2"	8164 mm	26'10"
12 Shipping Length (with bucket level on ground)*†	9493 mm	31'2"	9799 mm	32'2"
13 Hinge Pin Height at Carry Height	621 mm	2'1"	678 mm	2'3"
14 Hinge Pin Height at Maximum Lift	4539 mm	14'10"	4760 mm	15'7"
15 Lift Arm Clearance at Maximum Lift	3795 mm	12'5"	4010 mm	13'1"
16 Dump Clearance at Maximum Lift and 45° Discharge*†	3273 mm	10'9"	3493 mm	11'5"
17 Reach at Maximum Lift and 45° Discharge*†	1481 mm	4'11"	1484 mm	4'11"
18 Dump Angle at Maximum Lift and Dump (on stops)*	52 degrees		55 degrees	
19 Rack Back at Maximum Lift*	61 degrees		61 degrees	
20 Rack Back at Carry Height*	48 degrees		48 degrees	
21 Rack Back at Ground*	40 degrees		39 degrees	
22 Clearance Circle (dia) to Counterweight	13 700 mm	45'0"	13 700 mm	45'0"
23 Clearance Circle (dia) to Outside of Tires	14 806 mm	48'7"	14 806 mm	48'7"
24 Clearance Circle (dia) to Inside of Tires	8252 mm	27'1"	8252 mm	27'1"
25 Width Over Tires – Maximum (unloaded)	3265 mm	10'9"	3265 mm	10'9"
Width Over Tires – Maximum (loaded)	3296 mm	10'10"	3296 mm	10'10"
26 Tread Width	2440 mm	8'0"	2440 mm	8'0"

*With 5.4 m³ (7.1 yd³) general purpose pin on bucket with BOCE (see Operating Specifications for other buckets).

†Dimensions are listed in Operating Specifications charts.

All height and tire related dimensions are with Michelin 29.5R25 XLDD1 L4 radial tires (see Tire Option Chart for other tires). "Width Over Tires" dimensions are over the bulge and include growth.

980M Wheel Loader Specifications

Tire Option Chart (Compared to Michelin XLDD1 L4)

Tire Brand	Michelin	Michelin	Michelin	Bridgestone	Bridgestone	Bridgestone
Tire Size	29.5R25	29.5R25	29.5R25	29.5R25	29.5R25	29.5R25
Tread Type	L-3	L-5	L-5	L-3	L-4	L-5
Tread Pattern	XHA2	XLDD2	XMINE D2	VMT	VSNT	VSDL
Width over Tires – Maximum (empty)*	3273 mm 10'9"	3269 mm 10'9"	3281 mm 10'10"	3257 mm 10'9"	3243 mm 10'8"	3252 mm 10'8"
Width over Tires – Maximum (loaded)*	3293 mm 10'10"	3297 mm 10'10"	3295 mm 10'10"	3284 mm 10'10"	3265 mm 10'9"	3274 mm 10'9"
Change in Vertical Dimensions (average of front and rear)	-33 mm -1.3"	-6 mm -0.3"	9 mm 0.4"	-21 mm -0.9"	4 mm 0.2"	23 mm 1"
Change in Horizontal Reach	23 mm 1"	3 mm 0.2"	3 mm 0.2"	21 mm 0.9"	1 mm 0.1"	-10 mm -0.4"
Change in Clearance Circle to Outside of Tires	-4 mm -0.2"	1 mm 0.1"	-2 mm -0.1"	-13 mm -0.5"	-32 mm -1.3"	-23 mm -1"
Change in Clearance Circle to Inside of Tires	4 mm 0.2"	-1 mm -0.1"	2 mm 0.1"	13 mm 0.5"	32 mm 1.3"	23 mm 1"
Change in Operating Weight (without Ballast)	-544 kg -1,200 lb	364 kg 803 lb	688 kg 1,517 lb	-356 kg -785 lb	156 kg 344 lb	864 kg 1,905 lb
Change in Static Tipping Load – Straight	-411 kg -906 lb	275 kg 606 lb	519 kg 1,146 lb	-269 kg -593 lb	118 kg 260 lb	652 kg 1,439 lb
Change in Static Tipping Load – Articulated	-357 kg -788 lb	239 kg 528 lb	452 kg 997 lb	-234 kg -516 lb	102 kg 226 lb	568 kg 1,252 lb

*Width over tire bulge and includes tire growth.

980M Wheel Loader Specifications

Bucket Fill Factors and Selection Chart

The bucket size must be chosen based on the density of the material and on the expected fill factor. The Cat Performance Series Buckets with longer floor, larger bucket opening, increased repository angle, rounded side boards and integrated spill guard, demonstrate fill factors significantly higher than previous generation or non Cat buckets. The actual volume handled by the machine is thus often larger than the rated capacity.

Loose Material		Fill Factor (%)*	Material Density
Earth/Clay		115	1.5-1.7
Sand and Gravel		115	1.5-1.7
Aggregate:	25-76 mm (1 to 3 in)	110	1.6-1.7
	19 mm (0.75 in) and smaller	105	1.8
Rock:	76 mm (3 in) and larger	100	1.6

*As a % of ISO 7546 rated capacity.

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

Material Density		kg/m ³	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500			
Standard Linkage	Pin On	General Purpose	5.40 m ³ (7.06 yd ³)										6.21 m ³ (8.12 yd ³)									5.40 m ³ (7.06 yd ³)		
		Rock	4.40 m ³ (5.75 yd ³)											5.06 m ³ (6.62 yd ³)									4.40 m ³ (5.75 yd ³)	
		Coal	8.20 m ³ (10.73 yd ³)			9.43 m ³ (12.33 yd ³)				8.20 m ³ (10.73 yd ³)														
High Lift	Pin On	General Purpose	5.40 m ³ (7.00 yd ³)										6.20 m ³ (8.00 yd ³)									5.40 m ³ (7.00 yd ³)		
		Coal	8.20 m ³ (10.75 yd ³)			9.43 m ³ (12.33 yd ³)				8.20 m ³ (10.75 yd ³)														
Aggregate Handler	Pin On	General Purpose	5.70 m ³ (7.46 yd ³)											6.56 m ³ (8.58 yd ³)									5.70 m ³ (7.46 yd ³)	
			6.00 m ³ (7.85 yd ³)											6.90 m ³ (9.025 yd ³)									6.00 m ³ (7.85 yd ³)	
		Material Handling	5.70 m ³ (7.46 yd ³)												6.56 m ³ (8.58 yd ³)									5.70 m ³ (7.46 yd ³)
		Coal	8.20 m ³ (10.73 yd ³)				9.43 m ³ (12.33 yd ³)				8.20 m ³ (10.73 yd ³)													
Material Density		lb/yd ³	1,180	1,348	1,517	1,685	1,854	2,022	2,191	2,359	2,528	2,696	2,865	3,033	3,202	3,370	3,539	3,707	3,876	4,044	4,213			
Bucket Fill Factors																								

Note: All buckets are showing Bolt-On Edges.

980M Wheel Loader Specifications

Operating Specifications with Buckets

Linkage	Standard Linkage			Standard Linkage			Standard Linkage		
	Bucket Type	General Purpose – Pin On			Rock – Pin On***			Coal – Pin On	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	High Lift Delta
Capacity – Rated	m ³	5.40	5.40	5.00	4.40	4.40	4.30	8.20	—
	yd ³	7.06	7.06	6.54	5.75	5.75	5.62	10.73	—
Capacity – 110%	m ³	5.94	5.94	5.50	4.84	4.84	4.73	9.02	—
	yd ³	7.77	7.77	7.19	6.33	6.33	6.19	11.80	—
Width	mm	3447	3535	3535	3504	3504	3504	3638	—
	ft/in	11'3"	11'7"	11'7"	11'5"	11'5"	11'5"	11'11"	—
16 † Dump Clearance at Maximum Lift and 45° Discharge	mm	3273	3107	3107	3101	3101	3101	2917	221
	ft/in	10'8"	10'2"	10'2"	10'2"	10'2"	10'2"	9'6"	0'8"
17 † Reach at Maximum Lift and 45° Discharge	mm	1481	1618	1618	1769	1769	1769	1625	—
	ft/in	4'10"	5'3"	5'3"	5'9"	5'9"	5'9"	5'3"	—
Reach at Level Lift Arm and Bucket Level	mm	2965	3177	3177	3285	3285	3285	3336	160
	ft/in	9'8"	10'5"	10'5"	10'9"	10'9"	10'9"	10'11"	0'6"
A † Digging Depth	mm	103	103	68	106	106	71	108	—
	in	4"	4"	2.6"	4.1"	4.1"	2.8"	4.2"	—
12 † Overall Length	mm	9493	9734	9734	9828	9828	9828	9867	201
	ft/in	31'2"	32'0"	32'0"	32'3"	32'3"	32'3"	32'5"	0'7"
B † Overall Height with Bucket at Maximum Lift	mm	6421	6421	6421	6184	6184	6184	6536	221
	ft/in	21'1"	21'1"	21'1"	20'4"	20'4"	20'4"	21'6"	0'8"
Loader Clearance Circle with Bucket at Carry Position	mm	15 223	15 451	15 451	15 469	15 469	15 469	15 609	1009
	ft/in	50'0"	50'9"	50'9"	50'10"	50'9"	50'9"	51'3"	3'3"
Static Tipping Load, Straight (ISO)*	kg	22 639	22 453	22 897	22 987	23 033	23 504	21 615	(2002)
	lb	49,897	49,488	50,466	50,664	50,766	51,803	47,639	(4,413)
Static Tipping Load, Straight (Rigid Tire)*	kg	24 023	23 835	24 297	24 375	24 431	24 912	23 054	(2212)
	lb	52,946	52,533	53,551	53,722	53,848	54,907	50,811	(4,875)
Static Tipping Load, Articulated (ISO)*	kg	19 565	19 379	19 795	19 851	19 875	20 337	18 575	(1365)
	lb	43,121	42,712	43,629	43,752	43,806	44,822	40,941	(3,008)
Static Tipping Load, Articulated (Rigid Tire)*	kg	20 796	20 608	21 040	21 083	21 117	21 587	19 864	(1547)
	lb	45,834	45,421	46,373	46,467	46,542	47,578	43,781	(3,410)
Breakout Force (§)	kN	224	222	239	210	210	227	175	19
	lbf	50,466	49,926	53,816	47,384	47,195	51,049	39,467	4,190
Operating Weight*	kg	30 090	30 228	30 053	30 612	30 687	30 392	30 677	115
	lb	66,318	66,623	66,236	67,469	67,634	66,984	67,612	253

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 29.5R25 XLDD1 L4 radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, limited slip differentials, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

*** Rock bucket specifications are given on Michelin 29.5R25 XLDD2 L5 Radial tires.

(§) Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§) Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

(ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

980M Wheel Loader Specifications

Operating Specifications with Buckets – Aggregate Handler

Package		Aggregate Handler**	Aggregate Handler**	Aggregate Handler**	
Bucket Type		General Purpose – Pin On		Material Handler – Pin On	Coal – Pin On
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges
Capacity – Rated	m ³	5.70	6.00	5.70	8.20
	yd ³	7.46	7.85	7.46	10.73
Capacity – 110%	m ³	6.27	6.60	6.27	9.02
	yd ³	8.20	8.63	8.20	11.80
Width	mm	3447	3447	3447	3638
	ft/in	11'3"	11'3"	11'3"	11'11"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3204	3187	3105	2917
	ft/in	10'6"	10'5"	10'2"	9'6"
17† Reach at Maximum Lift and 45° Discharge	mm	1529	1550	1444	1625
	ft/in	5'0"	5'1"	4'8"	5'3"
Reach at Level Lift Arm and Bucket Level	mm	3049	3077	3074	3336
	ft/in	10'0"	10'1"	10'1"	10'11"
A† Digging Depth	mm	103	103	103	108
	in	4"	4"	4"	4.2"
12† Overall Length	mm	9638	9666	9663	9928
	ft/in	31'8"	31'9"	31'9"	32'7"
B† Overall Height with Bucket at Maximum Lift	mm	6243	6269	6242	6536
	ft/in	20'6"	20'7"	20'6"	21'6"
Loader Clearance Circle with Bucket at Carry Position	mm	15 270	15 285	15 284	15 609
	ft/in	50'2"	50'2"	50'2"	51'3"
Static Tipping Load, Straight (ISO)*	kg	23 972	23 827	23 447	23 180
	lb	52,835	52,515	51,677	51,088
Static Tipping Load, Straight (Rigid Tire)*	kg	25 481	25 339	24 909	24 750
	lb	56,161	55,847	54,901	54,550
Static Tipping Load, Articulated (ISO)*	kg	20 630	20 491	20 163	19 857
	lb	45,470	45,162	44,440	43,765
Static Tipping Load, Articulated (Rigid Tire)*	kg	21 997	21 860	21 488	21 286
	lb	48,482	48,180	47,360	46,914
Breakout Force (§)	kN	211	207	208	175
	lbf	47,618	46,676	46,782	39,467
Operating Weight*	kg	30 822	30 918	30 947	31 326
	lb	67,931	68,143	68,207	69,042

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 29.5R25 XLDD1 L4 radial tires, full fluids, operator, aggregate counterweight, cold start, roading fenders, Product Link, limited slip differentials, power train guard, secondary steering and sound suppression. If a rock bucket is added, those values are with Michelin 26.5R25 XLDD2 L5 tires.

** Aggregate Handler configuration is not compatible with teeth and segments, tips, rock buckets, high lift, L5 tires.

† Illustration shown with Dimension charts.

(§) Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§) Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

(ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

980M Wheel Loader Standard and Optional Equipment

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
POWER TRAIN			OPERATOR ENVIRONMENT		
Axles, ecology drains	✓		Air conditioner, heater, and defroster (auto temp and fan)	✓	
Axles, open differential, front and rear	✓		Beverage holders (2) with storage compartment for cell phone/MP3 player	✓	
Axles – limited slip differentials, axle oil cooler		✓	Bucket/work tool function lockout	✓	
Brake wear indicators	✓		Cab access ladders and handrails	✓	
Brakes, full hydraulic enclosed wet-disc with Integrated Braking System (IBS)	✓		Cab air filter	✓	
Cat Clean Emissions Module (CEM) with Diesel Particulate Filter (DPF) and remote Diesel Exhaust Fluid (DEF) tank and pump	✓		Cab, pressurized and sound suppressed (ROPS/FOPS)	✓	
Economy mode (selectable)	✓		Cab tie-off	✓	
Engine, Cat C13 – Tier 3/Stage IIIA equivalent or Tier 4 Final/Stage V	✓		Coat hook (2)	✓	
Fan, radiator, on demand	✓		Cover, HVAC metallic		✓
Fan, VPF (variable pitch fan), automatic and manual control		✓	Door, remote opening system		✓
Fuel priming pump (electric)	✓		EH controls, SAL (single axis lever) lift and tilt function	✓	
Fuel/water separator	✓		EH controls, joystick lift and tilt – additional integrated roller switch for 3 rd function		✓
Parking brake, disc and caliper	✓		EH controls, SAL 3 rd function		✓
Precleaner, engine air intake	✓		EH parking brake	✓	
Radiator, high debris, wide fin spacing		✓	Filter, carbon fresh air		✓
Switch, transmission neutralizer lockout	✓		Horn, electric	✓	
Torque converter, locking clutch with free wheel stator	✓		Light, two dome (cab)	✓	
Transmission, automatic planetary power shift (4F/4R)	✓		Mirrors, heated rearview external with integrated spot mirrors		✓
Transmission, heavy duty		✓	Mirrors, rearview external with integrated spot mirrors	✓	
CAT® CONNECT TECHNOLOGY			Multi-function 18 cm (7 in) color LCD touchscreen display for rear vision camera and machine parameters	✓	
Detect technologies:			Post mounted membrane 16 switch keypad	✓	
Rear vision camera	✓		Precleaner, HVAC		✓
Cat rear object detection		✓	Precleaner, HVAC (RESPA)		✓
Link technologies:			Radio, AM/FM/USB/MP3 Bluetooth		✓
Product Link	✓		Radio, AM/FM/CD/USB/MP3 Bluetooth		✓
VIMS™		✓	Radio, AM/FM/CD/USB/MP3 Bluetooth with Satellite Sirius and XM		✓
Payload technologies: Advanced Productivity subscription, Cat Production Measurement 2.0, Printer, Aggregate Autodig		✓	Radio, CB ready		✓
Machine security system		✓	Radio ready (entertainment) includes antenna, speakers and converter (12V, 10-amp)	✓	
			Receptacles (3), 12V	✓	

(continued on next page)

980M Wheel Loader Standard and Optional Equipment

Standard and Optional Equipment *(continued)*

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

	Standard	Optional
OPERATOR ENVIRONMENT <i>(continued)</i>		
Roof, metallic		✓
Seat, cloth, air suspension	✓	
Seat, suede/cloth, air suspension, heated		✓
Seat, leather/cloth, air suspension, heated/cooled		✓
Seat belt, 51 mm (2 in) retractable, with indicator	✓	
Seat belt, 76 mm (3 in) retractable, with indicator		✓
Seat, heated air suspension		✓
Steering, EH joystick, speed sensing with force feedback	✓	
Steering, EH wheel with directional FNR shifter and gear selector – additional FNR with implement controls		✓
Steering, secondary		✓
Sun visor, front	✓	
Sun visor, rear		✓
Viscous mounts	✓	
Wet-arm wipers/washers front and rear, intermittent front wiper	✓	
Windows, rubber mounted		✓
Window, sliding (left and right sides)	✓	
Windows, with front guard		✓
Windows, with heavy duty front guard		✓
Windows, with full guards front, rear and sides		✓
ELECTRICAL AND LIGHTING		
Alarm, back-up	✓	
Alternator, 145-amp brushed	✓	
Auxiliary halogen cab-mounted work lights (four additional) or		✓
Lighting system: four halogen work lights (cab mounted), two halogen roading lights (with signals), two halogen rear vision lights (hood mounted)	✓	
Lighting system: auxiliary front HI LED (two additional) and two additional auxiliary rear LED cab mounted work lights with 2 LED work lights in the radiator grill and LED front turn signals. Also includes replacement of the standard four halogen cab-mounted work lights with four LED work lights		✓
Batteries (2), maintenance free 1,400 CCA	✓	

	Standard	Optional
ELECTRICAL AND LIGHTING <i>(continued)</i>		
Cold start, 120V, 240V		✓
External seat belt indicator light		✓
Ignition key; start/stop switch	✓	
Main disconnect switch	✓	
Receptacle start (cables not included)	✓	
Reversing strobes		✓
Starter, electric, heavy duty	✓	
Starting and charging system (24V)	✓	
Warning amber strobe beacon		✓
FLUIDS		
Premixed extended life coolant with freeze protection to -34°C (-29°F)	✓	
Premixed extended life coolant with freeze protection to -50°C (-58°F)		✓
HYDRAULICS		
Couplings, Cat O-ring face seal	✓	
Hoses, Cat XT™	✓	
Hydraulic oil cooler (swing out)	✓	
Hydraulic system, load sensing	✓	
Oil sampling valves	✓	
3 rd function with Ride Control – standard linkage, high lift linkage, logger linkage		✓
Remote diagnostic pressure taps	✓	
Ride control, 2V	✓	
Steering, load sensing	✓	
LINKAGE		
Logger		✓
High lift		✓
Kickout, lift and tilt, automatic (adjustable in cab)	✓	
Quick coupler ready		✓
Z-bar, cast crosstube/tilt lever	✓	
STARTERS, BATTERIES, AND ALTERNATORS		
Batteries (4), maintenance free 1,400 CCA with 120V engine coolant heater		✓
Batteries (4), maintenance free 1,400 CCA with 240V engine coolant heater		✓
WORK TOOLS		
Forks, logging		✓
Forks, pallet		✓
Performance Series buckets		✓

(continued on next page)

980M Wheel Loader Standard and Optional Equipment

Standard and Optional Equipment *(continued)*

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

	Standard	Optional		Standard	Optional
COMPUTERIZED MONITORING SYSTEM			OTHER STANDARD AND OPTIONAL EQUIPMENT		
With following gauges:	✓		Auto idle shutdown	✓	
Speedometer/tachometer			Cat Autolube System		✓
Digital gear range indicator			Ecology drains for engine, transmission, and hydraulics	✓	
Diesel Exhaust Fluid (DEF) level			Ether aid ready	✓	
Temperature: engine coolant, hydraulic oil, transmission oil			Fenders, non-metallic front with mud-flap/rear with extension	✓	
Fuel level			Fenders, roading		✓
With following warning indicators:	✓		Filters: fuel, engine air, engine oil, hydraulic oil, transmission	✓	
Regeneration			Fuel cooler	✓	
Temperature: axle oil, engine intake manifold			Fuel tank, fast fill		✓
Pressure: engine oil, fuel pressure hi/low, primary steering oil, service brake oil			Grease zerks	✓	
Battery voltage hi/low			Grill, airborne debris	✓	
Engine air filter restriction			Guard, power train		✓
Hydraulic oil filter restriction			Hitch, drawbar with pin	✓	
Parking brake			Oil change, high speed engine		✓
DEF low level			One-piece tilting hood with side and rear doors	✓	
Transmission filter bypass			Platform, window washing	✓	
			Precleaner, turbine		✓
			Precleaner, trash		✓
			Precleaner rain cap	✓	
			Service centers (electrical and hydraulic)	✓	
			Sight gauges: engine coolant, hydraulic oil, and transmission oil level	✓	
			Toolbox	✓	
			Vandalism protection caplocks	✓	
			Wheel chocks		✓
			OTHER CONFIGURATIONS		
			Aggregate handler		✓
			Block handler		✓
			Forestry		✓
			Industrial and waste handler		✓
			Steel mill		✓

980M Wheel Loader Standard and Optional Equipment



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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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