



# 980M

## Wheel Loader

# Technical Specifications

### Engine

Engine Model	Cat® C13
Maximum Power (1,700 rpm)	
ISO 14396	313 kW (426 hp metric)
Maximum Net Power (1,700 rpm)	
ISO 9249	288 kW (392 hp metric)
Peak Torque (1,200 rpm)	
ISO 14396	2182 N·m
Maximum Net Torque (1,100 rpm)	
ISO 9249	2054 N·m
Bore	130 mm
Stroke	157 mm
Displacement	12.5 L

- Meets either EU Stage V or EU Stage IV\* emission standards. \*Stage IV engines comply with the transition provisions of the EU non-road 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.

### Buckets

Bucket Capacities	4.20-12.00 m <sup>3</sup>
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### Weight

Operating Weight	30 090 kg
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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 m<sup>3</sup> general purpose bucket with BOCE.

### Service Refill Capacities

Fuel Tank	426 L
DEF Tank	21 L
Cooling System	53 L
Crankcase	37 L
Transmission	77 L
Differentials and Final Drives – Front	84 L
Differentials and Final Drives – Rear	84 L
Hydraulic Tank	153 L

### Operating Specifications

Static Tipping Load – Full 40° Turn	
With Tire Deflection	19 565 kg
No Tire Deflection	20 796 kg
Breakout Force	224 kN

- For a machine configuration as defined under “Weight.”
- Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

### Transmission

Forward 1	6.9 km/h
Forward 2	13.3 km/h
Forward 3	23.5 km/h
Forward 4	39.5 km/h
Reverse 1	7.8 km/h
Reverse 2	15.2 km/h
Reverse 3	26.9 km/h
Reverse 4	39.5 km/h

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

# 980M Wheel Loader Specifications

## Axles

Front	Fixed
Rear	Oscillating $\pm 13$ degrees
Maximum Single-Wheel Rise and Fall	549 mm

## Sound

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 European Union Directive “2000/14/EC” as amended by “2005/88/EC”	109 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 70% of 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.

## Hydraulic System

Implement Pump Type	Variable Displacement Piston
Implement System	
Maximum Pump Output (2,250 rpm)	449 L/min
Maximum Operating Pressure	34 300 kPa
Optional 3 <sup>rd</sup> Function Maximum Flow	240 L/min
Optional 3 <sup>rd</sup> Function Maximum Pressure	21 780 kPa
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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## Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.6 kg of refrigerant which has a CO<sub>2</sub> equivalent 2.288 metric tonne.

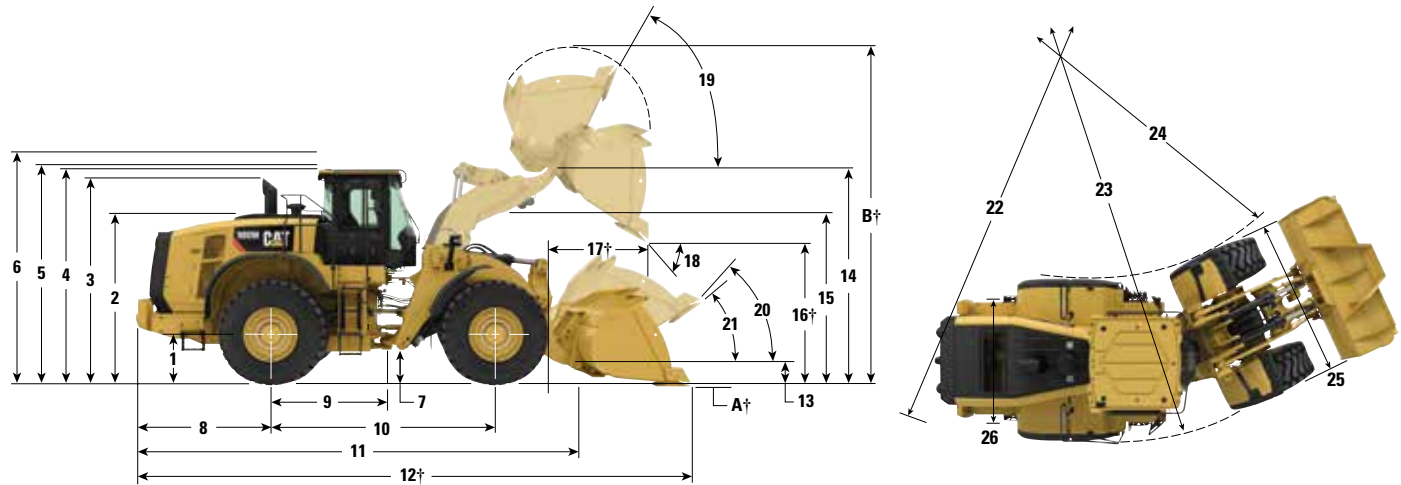
## Cab

ROPS/FOPS	ROPS/FOPS meet ISO 3471:2008 and ISO 3449:2005 Level II standards
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# 980M Wheel Loader Specifications

## Dimensions

All dimensions are approximate.



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

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

†Dimensions are listed in Operating Specification charts.

All height and tire related dimensions are with Michelin 29.5R25 XLDD1 L4 radial tires and standard counterweight (see Dimension Changes – Tires chart for other tires). “Width over Tires” dimensions are over the bulge and include growth.

# 980M Wheel Loader Specifications

## Dimension Changes – Tires

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	3269 mm	3281 mm	3257 mm	3243 mm	3252 mm
Width over Tires – Maximum (loaded)*	3293 mm	3297 mm	3295 mm	3284 mm	3265 mm	3274 mm
Change in Vertical Dimensions (average of front and rear)	-33 mm	-6 mm	9 mm	-21 mm	4 mm	23 mm
Change in Horizontal Reach	23 mm	3 mm	3 mm	21 mm	1 mm	-10 mm
Change in Clearance Circle to Outside of Tires	-4 mm	1 mm	-2 mm	-13 mm	-32 mm	-23 mm
Change in Clearance Circle to Inside of Tires	4 mm	-1 mm	2 mm	13 mm	32 mm	23 mm
Change in Operating Weight (without Ballast)	-544 kg	364 kg	688 kg	-356 kg	156 kg	864 kg
Change in Static Tipping Load – Straight	-411 kg	275 kg	519 kg	-269 kg	118 kg	652 kg
Change in Static Tipping Load – Articulated	-357 kg	239 kg	452 kg	-234 kg	102 kg	568 kg

\*Width over bulge and includes tire growth.

**NOTE:** Changes compared to 980M with Michelin XLDD1 L4 tires.

# 980M Wheel Loader Specifications

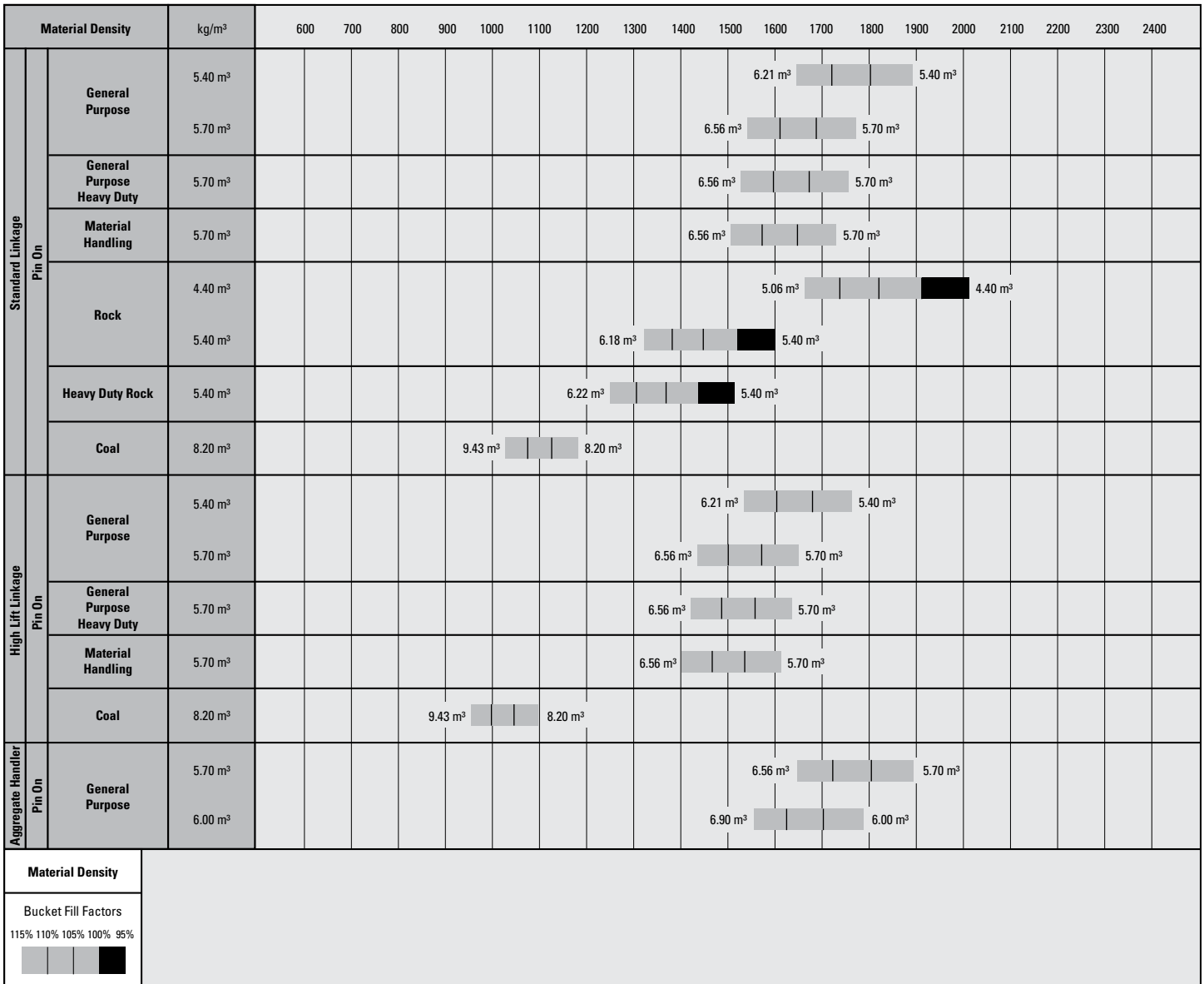
## Bucket Fill Factors and Selection Chart

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	110	1.6-1.7
	19 mm and smaller	105	1.8
Rock:	76 mm 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.



**Note:** All buckets are showing Bolt-On Edges.

# 980M Wheel Loader Specifications

## Operating Specifications with Buckets

Linkage		Standard Linkage						
		General Purpose				General Purpose Heavy Duty		
Bucket Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	High Lift Linkage Change**
Edge Type								
Capacity – Rated	m <sup>3</sup>	5.40	5.40	5.70	5.70	5.70	5.70	—
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	5.94	5.94	6.27	6.27	6.27	6.27	—
Width	mm	3447	3535	3447	3535	3447	3535	—
<b>16†</b> Dump Clearance at Maximum Lift and 45° Discharge	mm	3273	3107	3204	3037	3204	3037	221
<b>17†</b> Reach at Maximum Lift and 45° Discharge	mm	1481	1618	1529	1663	1529	1663	3
Reach at Level Lift Arm and Bucket Level	mm	2965	3177	3049	3261	3049	3261	160
<b>A†</b> Digging Depth	mm	103	103	103	103	103	103	-2
<b>12†</b> Shipping Length (with Bucket)	mm	9493	9734	9577	9818	9577	9818	201
<b>B†</b> Overall Height with Bucket at Maximum Lift	mm	6421	6421	6243	6243	6243	6243	221
Loader Clearance Circle with Bucket at Carry Position	mm	15 223	15 451	15 270	15 498	15 270	15 498	1009
Static Tipping Load, Straight (With Tire Deflection)*	kg	22 639	22 453	22 391	22 204	22 232	22 045	-1939
Static Tipping Load, Straight (No Tire Deflection)*	kg	24 023	23 835	23 775	23 586	23 614	23 425	-2145
Static Tipping Load, Articulated (With Tire Deflection)*	kg	19 565	19 379	19 334	19 147	19 175	18 988	-1321
Static Tipping Load, Articulated (No Tire Deflection)*	kg	20 796	20 608	20 567	20 378	20 406	20 217	-1500
Breakout Force***	kN	224	222	211	209	211	209	17
Operating Weight*	kg	30 090	30 228	30 173	30 311	30 319	30 458	115

\*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.

\*\*Maximum values.

\*\*\*Measured 102 mm behind tip of cutting edge with bucket hinge pin as pivot 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.

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

(No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

†Illustration shown with Dimension charts.

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

Linkage		Standard Linkage					
Bucket Type		Material Handling HD	Rock V-Edge	Rock V-Edge	HD Rock V-Edge	Coal	High Lift Linkage Change**
		FMT	Teeth and Segments	Teeth and Segments	Teeth and Segments	Bolt-On Cutting Edges	
Capacity – Rated	m <sup>3</sup>	5.60	4.50	5.40	5.40	8.20	—
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	6.15	4.93	5.91	5.95	9.02	—
Width	mm	3580	3504	3504	3645	3638	—
<b>16†</b> Dump Clearance at Maximum Lift and 45° Discharge	mm	3201	3051	2890	2941	2917	221
<b>17†</b> Reach at Maximum Lift and 45° Discharge	mm	1389	1713	1904	1890	1625	3
Reach at Level Lift Arm and Bucket Level	mm	2968	3284	3533	3486	3336	160
<b>A†</b> Digging Depth	mm	74	106	71	77	108	-2
<b>12†</b> Shipping Length (with Bucket)	mm	9472	9827	10 076	10 035	9867	202
<b>B†</b> Overall Height with Bucket at Maximum Lift	mm	6486	6204	6378	6378	6536	221
Loader Clearance Circle with Bucket at Carry Position	mm	15 324	15 468	15 614	15 718	15 609	1009
Static Tipping Load, Straight (With Tire Deflection)*	kg	21 213	22 740	22 412	21 524	21 615	-1983
Static Tipping Load, Straight (No Tire Deflection)*	kg	22 555	24 137	23 824	22 925	23 054	-2191
Static Tipping Load, Articulated (With Tire Deflection)*	kg	18 184	19 589	19 299	18 395	18 575	-1350
Static Tipping Load, Articulated (No Tire Deflection)*	kg	19 377	20 830	20 557	19 642	19 864	-1531
Breakout Force***	kN	220	208	191	192	175	17
Operating Weight*	kg	31 109	30 978	31 024	31 742	30 677	115

\*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.

\*\*Maximum values.

\*\*\*Measured 102 mm behind tip of cutting edge with bucket hinge pin as pivot 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.

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

(No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

†Illustration shown with Dimension charts.

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

FMT = Flush Mounted Teeth

HD = Heavy Duty

# 980M Wheel Loader Specifications

## Operating Specifications with Buckets – Aggregate Handler

Linkage		Aggregate Handler		
Bucket Type		General Purpose		Coal
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges
Capacity – Rated	m <sup>3</sup>	5.70	6.00	8.20
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	6.27	6.60	9.02
Width	mm	3447	3447	3638
<b>16</b> † Dump Clearance at Maximum Lift and 45° Discharge	mm	3204	3187	2917
<b>17</b> † Reach at Maximum Lift and 45° Discharge	mm	1529	1550	1625
Reach at Level Lift Arm and Bucket Level	mm	3049	3077	3336
<b>A</b> † Digging Depth	mm	103	103	108
<b>12</b> † Shipping Length (with Bucket)	mm	9638	9666	9928
<b>B</b> † Overall Height with Bucket at Maximum Lift	mm	6243	6269	6536
Loader Clearance Circle with Bucket at Carry Position	mm	15 270	15 285	15 609
Static Tipping Load, Straight (With Tire Deflection)*	kg	23 972	23 827	23 180
Static Tipping Load, Straight (No Tire Deflection)*	kg	25 481	25 339	24 750
Static Tipping Load, Articulated (With Tire Deflection)*	kg	20 630	20 491	19 857
Static Tipping Load, Articulated (No Tire Deflection)*	kg	21 997	21 860	21 286
Breakout Force**	kN	211	207	175
Operating Weight*	kg	30 822	30 918	31 326

\*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.

\*\*Measured 102 mm behind tip of cutting edge with bucket hinge pin as pivot 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.

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

(No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

†Illustration shown with Dimension charts.

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

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
<b>POWER TRAIN</b>			<b>OPERATOR ENVIRONMENT</b>		
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 Exhaust Fluid (DEF) tank and pump	✓		Cab, pressurized and sound suppressed (ROPS/FOPS)	✓	
Economy mode (selectable)	✓		Cab tie-off	✓	
Engine, Cat C13 – Stage V	✓		Coat hook (2)	✓	
Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, 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, SAL 3 <sup>rd</sup> function		✓
Parking brake, disc and caliper	✓		EH controls, joystick lift and tilt: – Additional integrated roller switches for 3 <sup>rd</sup> function		✓
Precleaner, engine air intake	✓		EH parking brake	✓	
Radiator, high debris, 6 fins per inch, 43° cooling capacity	✓		Filter, carbon fresh air		✓
Radiator, low debris, 9 fins per inch, high ambient 47° cooling capacity		✓	Horn, electric	✓	
Switch, transmission neutralizer lockout	✓		Light, two dome (cab)	✓	
Torque converter, locking clutch with free wheel stator	✓		Mirrors, heated rearview external with integrated spot mirrors		✓
Transmission, automatic planetary power shift (4F/4R)	✓		Mirrors, rearview external with integrated spot mirrors	✓	
Transmission, heavy duty		✓	Multi-function 18 cm color LCD touch-screen display for rear vision camera image display (reverse travel activated) and machine status, setting and health parameters	✓	
<b>CAT® CONNECT TECHNOLOGIES</b>			Post mounted membrane 16 switch keypad	✓	
Detect technologies:			Precleaner, HVAC		✓
Rear vision camera	✓		Precleaner, HVAC (RESPA)		✓
Cat rear object detection		✓	Radio, AM/FM/CD/USB/MP3 Bluetooth®		✓
Link technologies:			Radio, CB ready		✓
Product Link	✓		Radio ready (entertainment) includes antenna, speakers and converter (12V, 10-amp)	✓	
VIMS™		✓	Receptacles (3), 12V	✓	
Payload technologies:					
Cat Production Measurement 2.0 (CPM), Printer, Aggregate Autodig		✓			
Machine security system		✓			

(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
<b>OPERATOR ENVIRONMENT (continued)</b>			<b>ELECTRICAL AND LIGHTING (continued)</b>		
Roof, metallic		✓	Main disconnect switch	✓	
Seat, cloth, air suspension	✓		Receptacle start (cables not included)	✓	
Seat, suede/cloth, air suspension, heated		✓	Reversing strobes		✓
Seat, leather/cloth, air suspension, heated/cooled		✓	Speed limiter – 20 km/h		✓
Seat belt, 51 mm retractable, with indicator	✓		Starter, electric, heavy duty	✓	
Seat, heated air suspension		✓	Starting and charging system (24V)	✓	
Steering, EH joystick, speed sensing with force feedback	✓		Warning amber strobe beacon		✓
Steering, EH wheel with directional FNR shifter and gear selector: – Additional FNR with implement controls		✓	<b>FLUIDS</b>		
Steering, secondary	✓		Premixed extended life coolant with freeze protection to -34°C	✓	
Sun visor, front	✓		Premixed extended life coolant with freeze protection to -50°C		✓
Sun visor, rear		✓	<b>HYDRAULICS</b>		
Viscous mounts	✓		Couplings, Cat O-ring face seal	✓	
Wet-arm wipers/washers front and rear, intermittent front wiper	✓		Hoses, Cat XT™	✓	
Windows, rubber mounted		✓	Hydraulic oil cooler (swing-out)	✓	
Window, sliding (left and right sides)	✓		Hydraulic system, load sensing	✓	
Windows, with front guard		✓	Oil sampling valves	✓	
Windows, with heavy duty front guard		✓	3 <sup>rd</sup> function with Ride Control: standard linkage, high lift linkage, logger linkage		✓
Windows, with full guards front, rear and sides		✓	Remote diagnostic pressure taps	✓	
<b>ELECTRICAL AND LIGHTING</b>			Ride control, 2V	✓	
Alarm, back-up	✓		Steering, load sensing	✓	
Alternator, 145-amp brushed	✓		<b>LINKAGE</b>		
Batteries (2), maintenance free 1,400 CCA	✓		Logger		✓
Cold start, 120V, 240V		✓	High lift		✓
External seat belt indicator light		✓	Kickout, lift and tilt, automatic (adjustable in cab)	✓	
Ignition key: start/stop switch	✓		Quick coupler ready		✓
Lighting system: four halogen work lights (cab-mounted), two halogen roading lights (with signals), two halogen rear vision lights (hood-mounted)	✓		Z-bar, cast crosstube/tilt lever	✓	
Lighting system: work lights, four additional halogen cab-mounted or;		✓	<b>STARTERS, BATTERIES, AND ALTERNATORS</b>		
Lighting system: work lights, two additional auxiliary front HI LED and two additional auxiliary rear LED cab-mounted, two LED work lights in the radiator grill, LED front turn signals, replacement of the standard four halogen cab mounted work lights with four LED work lights		✓	Batteries (4), maintenance free 1,400 CCA with 240V engine coolant heater		✓
			<b>WORK TOOLS</b>		
			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
<b>COMPUTERIZED MONITORING SYSTEM</b>			<b>OTHER STANDARD AND OPTIONAL EQUIPMENT</b>		
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, steel 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		✓
			<b>OTHER CONFIGURATIONS</b>		
			Aggregate handler		✓
			Block handler		✓
			Forestry		✓
			High lift		✓
			Steel mill		✓

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://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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