

# 966M/972M

## Wheel Loaders



The 966M and 972M offer unmatched fuel efficiency, productivity and operator comfort. The reliability, durability, and versatility of both the 966M and 972M result in machines that are better built to meet your needs.

### RELIABLE, PRODUCTIVE AND FUEL EFFICIENT

- 10% more fuel efficient than the industry leading K Series\*
- Up to 25% more fuel efficient than H Series\*
- **Performance Series buckets** are easy to load and improve material retention
- **Cat® Fusion™ coupler system and work tools** provide a wide range of work tools and allow the same work tool on different sizes of wheel loaders
- **Cat engine with ACERT™ Technology** which is U.S. EPA Tier 4 Final and EU Stage IV compliant and includes Cat Clean Emissions Module for continuous and efficient operation
- **Advanced powershift transmission** with a standard lock up clutch torque converter and lock-to-lock shifting delivers smooth shifts, fast acceleration and speed on grade
- **Next generation axle** with standard on-the-go disc-type front manual differential locks to provide optimal traction in varying underfoot conditions for improved productivity
- **Next generation load-sensing hydraulic system** to provide optimal control of machine functions

### EASE OF OPERATION

- **Best-in-class operator environment** for unmatched operator comfort and efficiency
- **Advanced technology with Cat Connect** to monitor, manage and enhance job site operations

### SERVICE ACCESS

- Legacy one-piece hood, centralized service centers, windshield cleaning platform and harness tie-off to provide the best in class service access

*\*Fuel efficiency is measured in mass of material moved per volume of fuel burned. Average efficiency improvement as tested and analyzed for an average composite cycle and standard configuration with variations per comparable model with and without Economy Mode active. Factors influence result variation such as, but not limited to, machine configuration, operator technique, machine application, climate, etc.*



# 966M/972M Wheel Loaders Specifications

## Engine – 966M

Engine Model	Cat C9.3 ACERT	
Maximum Gross Power (1,800 rpm)		
SAE J1995	232 kW	311 hp
Maximum Net Power (1,700 rpm)		
SAE J1349	206 kW	276 hp
Peak Gross Torque (1,200 rpm)		
SAE J1995	1599 N·m	1,179 lbf-ft
Maximum Net Torque (1,000 rpm)		
SAE J1349	1527 N·m	1,126 lbf-ft
Bore	115 mm	4.53 in
Stroke	149 mm	5.87 in
Displacement	9.3 L	568 in <sup>3</sup>

- Cat engine with ACERT Technology – meets Tier 4 Final emission standards.
- 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 muffler.
- The gross power advertised is with the fan at maximum speed.

## Buckets – 966M

Bucket Capacities	2.5-9.2 m <sup>3</sup>	3.25-12.0 yd <sup>3</sup>
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## Weight – 966M

Operating Weight	23 220 kg	51,176 lb
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- Weight based on a machine configuration with Michelin 26.5R25 XHA2 L3 radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link™, manual diff lock/open axles (front/rear), power train guard, secondary steering, sound suppression and a 4.2 m<sup>3</sup> (5.5 yd<sup>3</sup>) general purpose bucket with BOCE.

## Operating Specifications – 966M

Static Tipping Load – Full 37° Turn		
With Tire Deflection	14 668 kg	32,329 lb
No Tire Deflection	15 822 kg	34,873 lb
Breakout Force	173 kN	38,984 lbf

- For a machine configuration as defined under “Weight.”
- Full compliance to ISO 143971:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

## Engine – 972M

Engine Model	Cat C9.3 ACERT	
Maximum Gross Power (1,800 rpm)		
SAE J1995	251 kW	337 hp
Maximum Net Power (1,700 rpm)		
SAE J1349	223 kW	299 hp
Peak Gross Torque (1,200 rpm)		
SAE J1995	1728 N·m	1,275 lbf-ft
Maximum Net Torque (1,100 rpm)		
SAE J1349	1654 N·m	1,220 lbf-ft
Bore	115 mm	4.53 in
Stroke	149 mm	5.87 in
Displacement	9.3 L	568 in <sup>3</sup>

- Cat engine with ACERT Technology – meets Tier 4 Final emission standards.
- 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 muffler.
- The gross power advertised is with the fan at maximum speed.

## Buckets – 972M

Bucket Capacities	2.90-9.90 m <sup>3</sup>	3.75-13.0 yd <sup>3</sup>
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## Weight – 972M

Operating Weight	24 896 kg	54,871 lb
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- Weight based on a machine configuration with Michelin 26.5R25 XHA2 L3 radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, manual diff lock/open axles (front/rear), power train guard, secondary steering, sound suppression and a 4.8 m<sup>3</sup> (6.28 yd<sup>3</sup>) general purpose bucket with BOCE.

## Operating Specifications – 972M

Static Tipping Load – Full 37° Turn		
With Tire Deflection	16 164 kg	35,626 lb
No Tire Deflection	17 421 kg	38,396 lb
Breakout Force	196 kN	44,075 lbf

- For a machine configuration as defined under “Weight.”
- Full compliance to ISO 143971:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

# 966M/972M Wheel Loaders Specifications

## Brakes

Brakes	Brakes meet ISO 3450 standards
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## Transmission

Forward 1	6.5 km/h	4.0 mph
Forward 2	13.0 km/h	7.9 mph
Forward 3	23.5 km/h	14.3 mph
Forward 4	40.8 km/h	24.9 mph
Reverse 1	7.1 km/h	4.3 mph
Reverse 2	14.4 km/h	8.8 mph
Reverse 3	25.9 km/h	15.8 mph
Reverse 4	39.0 km/h	23.8 mph

- Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 826 mm (32.5 in) roll radius.

## Hydraulic System

Implement Pump Type	Variable Displacement Piston	
Implement System		
Maximum Pump Output (2,200 rpm)	360 L/min	95 gal/min
Maximum Operating Pressure	31 000 kPa	4,496 psi
Optional 3 <sup>rd</sup> /4 <sup>th</sup> Function Maximum Flow	260 L/min	69 gal/min
Optional 3 <sup>rd</sup> /4 <sup>th</sup> Function Maximum Pressure	20 680 kPa	2,999 psi
Cycle Time with Rated Payload		
Hydraulic Cycle Time		
Raise from Carry Position	6.1 Seconds	
Dump, at Maximum Raise	1.4 Seconds	
Lower, Empty, Float Down	2.8 Seconds	
Total	10.3 Seconds	

## Axles

Front	Fixed	
Rear	Oscillating $\pm 13$ degrees	
Maximum Single-Wheel Rise and Fall	502 mm	19.5 in

## Cab

ROPS/FOPS	ROPS/FOPS meet ISO 3471 and ISO 3449 Level II standards
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## 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)	70 dB(A)*
Exterior sound power level (ISO 6395:2008)	110 dB(A)
Exterior sound power level (SAE J88:2013)	76 dB(A)**

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

\*\*For a standard 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.

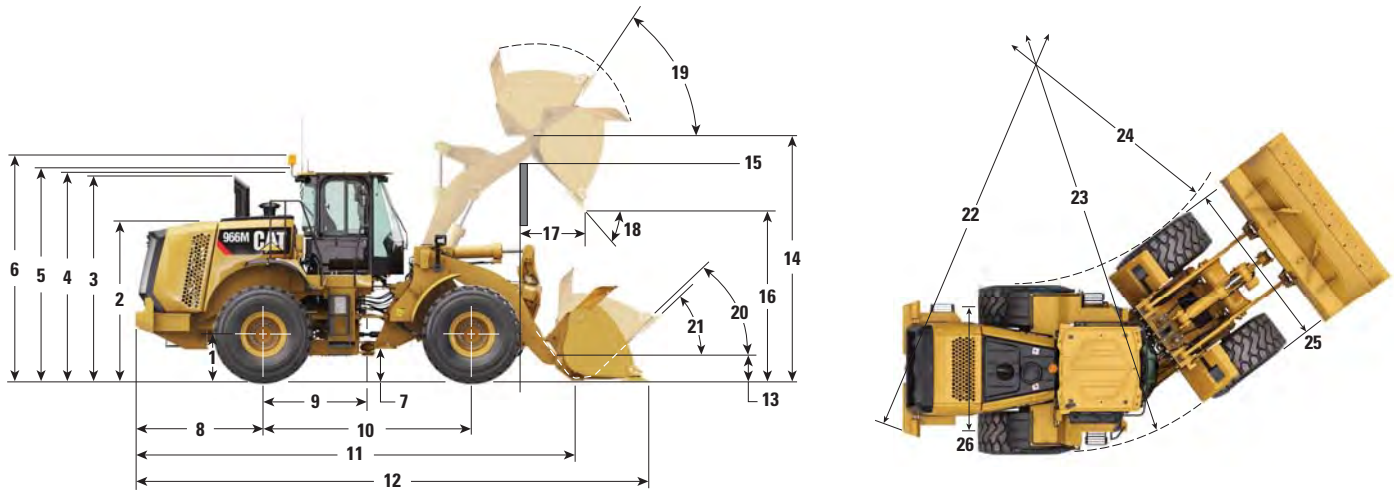
## Service Refill Capacities

Fuel Tank	313 L	82.7 gal
DEF Tank	16.8 L	4.4 gal
Cooling System	71.6 L	18.9 gal
Crankcase	24.5 L	6.5 gal
Transmission	54 L	14.3 gal
Differentials and Final Drives – Front	57 L	15.1 gal
Differentials and Final Drives – Rear	57 L	15.1 gal
Hydraulic Tank	125 L	33 gal

# 966M/972M Wheel Loaders Specifications

## 966M Dimensions

All dimensions are approximate.



	Standard Lift		High Lift	
1 Height to Axle Centerline	799 mm	2'7"	799 mm	2'7"
2 Height to Top of Hood	2818 mm	9'3"	2818 mm	9'3"
3 Height to Top of Exhaust Pipe	3522 mm	11'7"	3522 mm	11'7"
4 Height to Top of ROPS	3559 mm	11'8"	3559 mm	11'8"
5 Height to Top of Product Link Antenna	3582 mm	11'9"	3582 mm	11'9"
6 Height to Top of Warning Beacon	3810 mm	12'6"	3810 mm	12'6"
7 Ground Clearance	476 mm	1'7"	476 mm	1'7"
8 Center Line of Rear Axle to Edge of Counterweight	2180 mm	7'2"	2500 mm	8'2"
9 Center Line of Rear Axle to Hitch	1775 mm	5'10"	1775 mm	5'10"
10 Wheelbase	3550 mm	11'8"	3550 mm	11'8"
11 Overall Length (without Bucket)	7289 mm	23'11"	8109 mm	26'8"
12 Shipping Length (with Bucket level on ground)*	8750 mm	28'9"	9570 mm	31'5"
13 Hinge Pin Height at Carry Height	630 mm	2'1"	778 mm	2'7"
14 Hinge Pin Height at Maximum Lift	4235 mm	13'11"	4793 mm	15'9"
15 Lift Arm Clearance at Maximum Lift	3643 mm	11'11"	4140 mm	13'6"
16 Dump Clearance at Maximum Lift and 45° Discharge*	2991 mm	9'9"	3549 mm	11'7"
17 Reach at Maximum Lift and 45° Discharge*	1353 mm	4'5"	1328 mm	4'4"
18 Dump Angle at Maximum Lift and Dump (on stops)*	49 degrees		48 degrees	
19 Rack Back at Maximum Lift*	62 degrees		71 degrees	
20 Rack Back at Carry Height*	50 degrees		49 degrees	
21 Rack Back at Ground*	42 degrees		39 degrees	
22 Clearance Circle (dia) to Counterweight	13 608 mm	44'8"	13 608 mm	44'8"
23 Clearance Circle (dia) to Outside of Tires	13 522 mm	44'5"	13 522 mm	44'5"
24 Clearance Circle (dia) to Inside of Tires	7706 mm	25'4"	7706 mm	25'4"
25 Width Over Tires (unloaded)	2991 mm	9'10"	2991 mm	9'10"
26 Tread Width	2230 mm	7'4"	2230 mm	7'4"

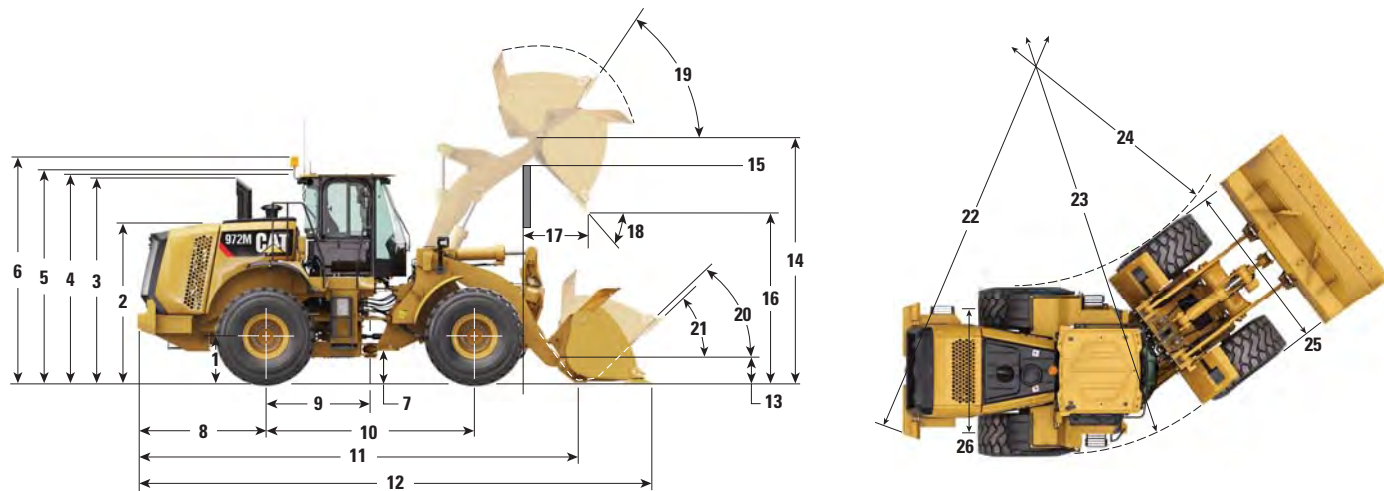
\*With 4.2 m<sup>3</sup> (5.5 yd<sup>3</sup>) general purpose pin on bucket with BOCE.

All height and tire related dimensions are with Michelin 26.5R25 XHA2 L3 tires (see Tire Option Chart for other tires).

# 966M/972M Wheel Loaders Specifications

## 972M Dimensions

All dimensions are approximate.



	Standard Lift		High Lift		Extended Capacity	
1 Height to Axle Centerline	799 mm	2'7"	2818 mm	9'3"	799 mm	2'7"
2 Height to Top of Hood	2818 mm	9'3"	2818 mm	9'3"	2818 mm	9'3"
3 Height to Top of Exhaust Pipe	3522 mm	11'7"	3522 mm	11'7"	3522 mm	11'7"
4 Height to Top of ROPS	3559 mm	11'8"	3559 mm	11'8"	3559 mm	11'8"
5 Height to Top of Product Link Antenna	3582 mm	11'9"	3582 mm	11'9"	3582 mm	11'9"
6 Height to Top of Warning Beacon	3810 mm	12'6"	3810 mm	12'6"	3810 mm	12'6"
7 Ground Clearance	476 mm	1'7"	476 mm	1'7"	476 mm	1'7"
8 Center Line of Rear Axle to Edge of Counterweight	2500 mm	8'2"	2500 mm	8'2"	2500 mm	8'2"
9 Center Line of Rear Axle to Hitch	1775 mm	5'10"	1775 mm	5'10"	1775 mm	5'10"
10 Wheelbase	3550 mm	11'8"	3550 mm	11'8"	3550 mm	11'8"
11 Overall Length (without Bucket)	7774 mm	25'7"	8109 mm	26'8"	7609 mm	25'0"
12 Shipping Length (with Bucket level on ground)*	9315 mm	30'7"	9650 mm	31'8"	9164 mm	30'1"
13 Hinge Pin Height at Carry Height	680 mm	2'3"	778 mm	2'7"	631 mm	2'1"
14 Hinge Pin Height at Maximum Lift	4458 mm	14'8"	4793 mm	15'9"	4235 mm	13'11"
15 Lift Arm Clearance at Maximum Lift	3843 mm	12'7"	4140 mm	13'6"	3643 mm	11'11"
16 Dump Clearance at Maximum Lift and 45° Discharge*	3154 mm	10'4"	3490 mm	11'5"	2920 mm	9'6"
17 Reach at Maximum Lift and 45° Discharge*	1357 mm	4'5"	1380 mm	4'6"	1413 mm	4'7"
18 Dump Angle at Maximum Lift and Dump (on stops)*	48 degrees		48 degrees		48 degrees	
19 Rack Back at Maximum Lift*	56 degrees		71 degrees		62 degrees	
20 Rack Back at Carry Height*	50 degrees		49 degrees		50 degrees	
21 Rack Back at Ground*	41 degrees		39 degrees		42 degrees	
22 Clearance Circle (dia) to Counterweight	13 608 mm	44'8"	13 608 mm	44'8"	13 608 mm	44'8"
23 Clearance Circle (dia) to Outside of Tires	13 522 mm	44'5"	13 522 mm	44'5"	13 522 mm	44'5"
24 Clearance Circle (dia) to Inside of Tires	7706 mm	25'4"	7706 mm	25'4"	7706 mm	25'4"
25 Width Over Tires (unloaded)	2991 mm	9'10"	2991 mm	9'10"	2991 mm	9'10"
26 Tread Width	2230 mm	7'4"	2230 mm	7'4"	2230 mm	7'4"

\*Standard and High Lift are with 4.8 m<sup>3</sup> (6.3 yd<sup>3</sup>) general purpose pin on bucket with BOCE.

Extended Capacity is with a 4.9 m<sup>3</sup> (6.4 yd<sup>3</sup>) general purpose pin on bucket with BOCE.

All height and tire related dimensions are with Michelin 26.5R25 XHA2 L3 tires (see Tire Option Chart for other tires).

# 966M/972M Wheel Loaders Specifications

## Dimension Changes – Tires

Tire Brand	Michelin	Michelin	Michelin	Bridgestone	Bridgestone	Bridgestone
<b>Tire Size</b>	<b>26.5R25</b>	<b>26.5R25</b>	<b>26.5R25</b>	<b>26.5R25</b>	<b>26.5R25</b>	<b>775/65R29</b>
<b>Tread Type</b>	<b>L-4</b>	<b>L-5</b>	<b>L-5</b>	<b>L-3</b>	<b>L-5</b>	<b>L-3</b>
<b>Tread Pattern</b>	<b>XLDD1</b>	<b>XLDD2</b>	<b>XMINED2</b>	<b>VJT</b>	<b>VSDL</b>	<b>VTS</b>
Width over Tires – Maximum (empty)*	2987 mm 9'10"	2986 mm 9'10"	2970 mm 9'9"	2982 mm 9'9"	2874 mm 9'5"	3050 mm 10'0"
Width over Tires – Maximum (loaded)*	3019 mm 9'11"	3011 mm 9'11"	2994 mm 9'10"	3016 mm 9'11"	2900 mm 9'6"	3071 mm 10'1"
Change in Vertical Dimensions (average of front and rear)	44 mm 1.7"	39 mm 1.5"	53 mm 2.1"	15 mm 0.6"	50 mm 2"	17 mm 0.7"
Change in Horizontal Reach	-36 mm -1.4"	-34 mm -1.3"	-32 mm -1.3"	-3 mm -0.1"	-29 mm -1.1"	-5 mm -0.2"
Change in Clearance Circle to Outside of Tires	10 mm 0.4"	3 mm 0.1"	-14 mm -0.6"	7 mm 0.3"	-109 mm -4.3"	62 mm 2.5"
Change in Clearance Circle to Inside of Tires	-10 mm -0.4"	-3 mm -0.1"	14 mm 0.6"	-7 mm -0.3"	109 mm 4.3"	-62 mm -2.5"
Change in Operating Weight (without Ballast)	420 kg 926 lb	716 kg 1,578 lb	1068 kg 2,354 lb	164 kg 361 lb	1136 kg 2,504 lb	856 kg 1,886 lb

\*Width over bulge and includes tire growth.

## Changes Specific to the 966M

Tire Brand	Michelin	Michelin	Michelin	Bridgestone	Bridgestone	Bridgestone
<b>Tire Size</b>	<b>26.5R25</b>	<b>26.5R25</b>	<b>26.5R25</b>	<b>26.5R25</b>	<b>26.5R25</b>	<b>775/65R29</b>
<b>Tread Type</b>	<b>L-4</b>	<b>L-5</b>	<b>L-5</b>	<b>L-3</b>	<b>L-5</b>	<b>L-3</b>
<b>Tread Pattern</b>	<b>XLDD1</b>	<b>XLDD2</b>	<b>XMINED2</b>	<b>VJT</b>	<b>VSDL</b>	<b>VTS</b>
Change in Static Tipping Load – Straight	303 kg 669 lb	517 kg 1,140 lb	771 kg 1,700 lb	118 kg 261 lb	821 kg 1,809 lb	618 kg 1,362 lb
Change in Static Tipping Load – Articulated	271 kg 596 lb	461 kg 1,017 lb	688 kg 1,516 lb	106 kg 233 lb	732 kg 1,613 lb	551 kg 1,215 lb

## Changes Specific to the 972M

Tire Brand	Michelin	Michelin	Michelin	Bridgestone	Bridgestone	Bridgestone
<b>Tire Size</b>	<b>26.5R25</b>	<b>26.5R25</b>	<b>26.5R25</b>	<b>26.5R25</b>	<b>26.5R25</b>	<b>775/65R29</b>
<b>Tread Type</b>	<b>L-4</b>	<b>L-5</b>	<b>L-5</b>	<b>L-3</b>	<b>L-5</b>	<b>L-3</b>
<b>Tread Pattern</b>	<b>XLDD1</b>	<b>XLDD2</b>	<b>XMINED2</b>	<b>VJT</b>	<b>VSDL</b>	<b>VTS</b>
Change in Static Tipping Load – Straight	283 kg 623 lb	482 kg 1,062 lb	719 kg 1,584 lb	110 kg 243 lb	764 kg 1,685 lb	576 kg 1,269 lb
Change in Static Tipping Load – Articulated	169 kg 373 lb	289 kg 636 lb	430 kg 949 lb	74 kg 164 lb	514 kg 1,134 lb	387 kg 854 lb

# 966M/972M Wheel Loaders Specifications

## 966M Bucket Selection Charts

Material Density		kg/m <sup>3</sup>	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	3.80 m <sup>3</sup> (5.00 yd <sup>3</sup> )											4.37 m <sup>3</sup> (5.72 yd <sup>3</sup> )								3.80 m <sup>3</sup> (5.00 yd <sup>3</sup> )		
			4.00 m <sup>3</sup> (5.25 yd <sup>3</sup> )												4.60 m <sup>3</sup> (6.02 yd <sup>3</sup> )								4.00 m <sup>3</sup> (5.25 yd <sup>3</sup> )	
			4.20 m <sup>3</sup> (5.50 yd <sup>3</sup> )												4.83 m <sup>3</sup> (6.32 yd <sup>3</sup> )								4.20 m <sup>3</sup> (5.50 yd <sup>3</sup> )	
	Hook On	General Purpose	3.80 m <sup>3</sup> (5.00 yd <sup>3</sup> )												4.37 m <sup>3</sup> (5.72 yd <sup>3</sup> )								3.80 m <sup>3</sup> (5.00 yd <sup>3</sup> )	
			4.20 m <sup>3</sup> (5.50 yd <sup>3</sup> )												4.83 m <sup>3</sup> (6.32 yd <sup>3</sup> )								4.20 m <sup>3</sup> (5.50 yd <sup>3</sup> )	
			Material Handling/Standard	4.20 m <sup>3</sup> (5.50 yd <sup>3</sup> )												4.83 m <sup>3</sup> (6.32 yd <sup>3</sup> )								4.20 m <sup>3</sup> (5.50 yd <sup>3</sup> )
	High Lift Linkage	Pin On	General Purpose	3.80 m <sup>3</sup> (5.00 yd <sup>3</sup> )											4.37 m <sup>3</sup> (5.72 yd <sup>3</sup> )								3.80 m <sup>3</sup> (5.00 yd <sup>3</sup> )	
				4.00 m <sup>3</sup> (5.25 yd <sup>3</sup> )												4.60 m <sup>3</sup> (6.02 yd <sup>3</sup> )								4.00 m <sup>3</sup> (5.25 yd <sup>3</sup> )
				4.20 m <sup>3</sup> (5.50 yd <sup>3</sup> )												4.83 m <sup>3</sup> (6.32 yd <sup>3</sup> )								4.20 m <sup>3</sup> (5.50 yd <sup>3</sup> )
Hook On		General Purpose	3.80 m <sup>3</sup> (5.00 yd <sup>3</sup> )												4.37 m <sup>3</sup> (5.72 yd <sup>3</sup> )								3.80 m <sup>3</sup> (5.00 yd <sup>3</sup> )	
			4.20 m <sup>3</sup> (5.50 yd <sup>3</sup> )												4.83 m <sup>3</sup> (6.32 yd <sup>3</sup> )								4.20 m <sup>3</sup> (5.50 yd <sup>3</sup> )	
			Material Handling/Standard	4.20 m <sup>3</sup> (5.50 yd <sup>3</sup> )												4.83 m <sup>3</sup> (6.32 yd <sup>3</sup> )								4.20 m <sup>3</sup> (5.50 yd <sup>3</sup> )
Aggregate Handler Package		Pin On	General Purpose	3.80 m <sup>3</sup> (5.00 yd <sup>3</sup> )											4.37 m <sup>3</sup> (5.72 yd <sup>3</sup> )								3.80 m <sup>3</sup> (5.00 yd <sup>3</sup> )	
				4.00 m <sup>3</sup> (5.25 yd <sup>3</sup> )												4.60 m <sup>3</sup> (6.02 yd <sup>3</sup> )								4.00 m <sup>3</sup> (5.25 yd <sup>3</sup> )
				4.20 m <sup>3</sup> (5.50 yd <sup>3</sup> )												4.83 m <sup>3</sup> (6.32 yd <sup>3</sup> )								4.20 m <sup>3</sup> (5.50 yd <sup>3</sup> )
	Hook On	General Purpose	3.80 m <sup>3</sup> (5.00 yd <sup>3</sup> )												4.37 m <sup>3</sup> (5.72 yd <sup>3</sup> )								3.80 m <sup>3</sup> (5.00 yd <sup>3</sup> )	
			4.20 m <sup>3</sup> (5.50 yd <sup>3</sup> )												4.83 m <sup>3</sup> (6.32 yd <sup>3</sup> )								4.20 m <sup>3</sup> (5.50 yd <sup>3</sup> )	
			Material Handling	4.20 m <sup>3</sup> (5.50 yd <sup>3</sup> )												4.83 m <sup>3</sup> (6.32 yd <sup>3</sup> )								4.20 m <sup>3</sup> (5.50 yd <sup>3</sup> )
	Material Density	lb/yd <sup>3</sup>	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	115% 110% 105% 100% 95%																						

Note: All buckets are showing Bolt-On Edges.

# 966M/972M Wheel Loaders Specifications

## 972M Bucket Selection Charts

Material Density		kg/m <sup>3</sup>	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	4.60 m <sup>3</sup> (6.00 yd <sup>3</sup> )									5.29 m <sup>3</sup> (6.92 yd <sup>3</sup> )														
			4.80 m <sup>3</sup> (6.25 yd <sup>3</sup> )											5.52 m <sup>3</sup> (7.22 yd <sup>3</sup> )												
			5.00 m <sup>3</sup> (6.50 yd <sup>3</sup> )											5.75 m <sup>3</sup> (7.52 yd <sup>3</sup> )												
	Hook On	General Purpose	4.40 m <sup>3</sup> (5.75 yd <sup>3</sup> )												5.06 m <sup>3</sup> (6.62 yd <sup>3</sup> )											
			4.60 m <sup>3</sup> (6.00 yd <sup>3</sup> )													5.29 m <sup>3</sup> (6.92 yd <sup>3</sup> )										
			4.80 m <sup>3</sup> (6.25 yd <sup>3</sup> )														5.52 m <sup>3</sup> (7.22 yd <sup>3</sup> )									
High Lift Linkage	Pin On	General Purpose	4.60 m <sup>3</sup> (6.00 yd <sup>3</sup> )																							
			4.80 m <sup>3</sup> (6.25 yd <sup>3</sup> )																							
			5.00 m <sup>3</sup> (6.50 yd <sup>3</sup> )																							
	Hook On	General Purpose	4.40 m <sup>3</sup> (5.75 yd <sup>3</sup> )																							
			4.60 m <sup>3</sup> (6.00 yd <sup>3</sup> )																							
			4.80 m <sup>3</sup> (6.25 yd <sup>3</sup> )																							
Pin On	Material Handling	4.60 m <sup>3</sup> (6.00 yd <sup>3</sup> )																								
		4.80 m <sup>3</sup> (6.25 yd <sup>3</sup> )																								
Extended Linkage	Hook On	General Purpose	4.90 m <sup>3</sup> (6.41 yd <sup>3</sup> )																							
			5.64 m <sup>3</sup> (7.38 yd <sup>3</sup> )																							
Material Density		lb/yd <sup>3</sup>	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		115% 110% 105% 100% 95%																								

Note: All buckets are showing Bolt-On Edges.



## Standard Equipment

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

### OPERATOR ENVIRONMENT

- Cab, pressurized and sound suppressed (ROPS/FOPS)
- Viscous mounts
- Multi-function 18 cm (7 in) color LCD touch-screen display for rear vision camera image display (reverse travel activated) and machine status, setting and health parameters
- EH controls, SAL (single axis lever) lift and tilt function
- Steering, EH joystick, speed sensing with force feedback
- Radio ready (entertainment) includes antenna, speakers and converter (12V, 10-amp)
- Air conditioner, heater, and defroster (auto temp and fan)
- EH parking brake
- Beverage holders (2) with storage compartment for cell phone/MP3 player
- Bucket/work tool function lockout
- Coat hook (2)
- Cab air filter
- Ergonomic cab access ladders and handrails
- Horn, electric
- Light, two dome (cab)
- Mirrors, rearview external with integrated spot mirrors
- Post mounted membrane 16 switch keypad
- 2 receptacles, 12V
- Seat, Cat Comfort (cloth) air suspension
- Seat belt, 51 mm (2 in) retractable, with indicator
- Sun visor, front
- Wet-arm wipers/washers front and rear, intermittent front wiper
- Window, sliding (left and right sides)
- Cab tie-off

### COMPUTERIZED MONITORING SYSTEM

- With following gauges:
  - Speedometer/tachometer
  - Digital gear range indicator
  - Diesel Exhaust Fluid (DEF) level
  - Temperature: engine coolant, hydraulic oil, transmission oil
  - Fuel level
- With following warning indicators:
  - Regeneration
  - Temperature: axle oil, engine intake manifold
  - Pressure: engine oil, fuel pressure hi/low, primary steering oil, service brake oil
  - Battery voltage hi/low
  - Engine air filter restriction
  - Hydraulic oil filter restriction
  - Hydraulic oil low
  - Parking brake
  - DEF low level
  - Transmission filter bypass

### ELECTRICAL AND LIGHTING

- Batteries (2), maintenance free 1,400 CCA
- Ignition key; start/stop switch
- Starter, electric, heavy duty
- Starting and charging system (24V)
- Lighting system:
  - Four halogen work lights (cab mounted)
  - Two halogen roading lights (with signals)
  - Two halogen rear vision lights (hood mounted)
- Alarm, back-up
- Alternator, 145-amp brushed
- Main disconnect switch
- Receptacle start (cables not included)

### CAT CONNECT TECHNOLOGIES

- Link technologies: Product Link™
- Detect technologies: rear vision camera

### POWER TRAIN

- Engine, Cat 9.3 with U.S. Tier 4 Final/ EU Stage IV rating
- Cat Clean Emissions Module (CEM) with Diesel Particulate Filter (DPF) and remote Diesel Exhaust Fluid (DEF) tank and pump
- Fuel priming pump (electric)
- Fuel/water separator
- Precleaner, engine air intake
- Economy Mode (selectable)
- Transmission, automatic planetary power shift (4F/4R)
- Torque converter, locking clutch with free wheel stator
- Switch, transmission neutralizer lockout
- Axles, manually actuated differential lock front axle, open differential rear axle
- Axles, ecology drains
- Brakes, full hydraulic enclosed wet-disc with Integrated Braking System (IBS)
- Brake wear indicators
- Parking brake, disc and caliper
- Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, on demand

# 966M/972M Wheel Loaders Standard Equipment

## Standard Equipment (cont'd)

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

### TIRES, RIMS, AND WHEELS

- A tire must be selected from the mandatory attachments section
- Base machine price includes an allowance

### LINKAGE

- Linkage, Z-bar, cast crosstube/tilt lever
- Kickout, lift and tilt, automatic (adjustable in cab)

### HYDRAULICS

- Hydraulic system, load sensing
- Steering, load sensing
- Ride control, 2V
- Remote diagnostic pressure taps
- Hoses, Cat XT
- Couplings, Cat O-ring face seal
- Hydraulic oil cooler (swing out)
- Oil sampling valves

### FLUIDS

- Premixed extended life coolant with freeze protection to  $-34^{\circ}\text{C}$  ( $-29^{\circ}\text{F}$ )

### OTHER STANDARD EQUIPMENT

- Hood, non-metallic power tilting with rear clamshell
- Service centers (electrical and hydraulic)
- Platform, window washing
- Auto idle shutdown
- Fenders, steel front with mud-flap/rear with extension
- Ecology drains for engine, transmission, and hydraulics
- Ether aid ready
- Grill, airborne debris
- Filters: fuel, engine air, engine oil, hydraulic oil, transmission
- Fuel cooler
- Grease zerks
- Hitch, drawbar with pin
- Precleaner rain cap
- Sight gauges: engine coolant, hydraulic oil, and transmission oil level
- Toolbox
- Vandalism protection caplocks

## Optional Equipment

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

### OPERATOR ENVIRONMENT

- Door, remote opening system
- Cover, HVAC metallic
- EH controls, SAL 3<sup>rd</sup> function
  - Additional roller switch for 4<sup>th</sup> function
- EH controls, joystick lift and tilt
  - Additional integrated roller switches for 3<sup>rd</sup> and 4<sup>th</sup> functions
- Filter, carbon fresh air
- Mirrors, heated rearview external with integrated spot mirrors
- Precleaner, HVAC
- Precleaner, HVAC (RESPA™)
- Radio, AM/FM/USB/MP3 Bluetooth
- Radio, AM/FM/CD/USB/MP3 Bluetooth
- Radio, AM/FM/CD/USB/MP3 Bluetooth with Satellite Sirius and XM
- Radio, CB ready
- Seat, heated air suspension
- Seat belt, 76 mm (3 in) retractable, with indicator
- Steering, EH wheel with directional FNR shifter and gear selector
  - Additional FNR with implement controls
- Roof, metallic
- Steering, secondary
- Sun visor, rear
- Windows, rubber mounted
- Windows, with front guard
- Windows, with heavy duty front guard
- Windows, with full guards front, rear and sides

### ELECTRICAL AND LIGHTING

- Four additional halogen cab mounted work lights or;
- Four additional HID cab mounted work lights
- LED front and rear roading lights

### STARTERS, BATTERIES, AND ALTERNATORS

- Cold start – 120V
- Cold start – 240V

### CAT CONNECT TECHNOLOGIES

- Link technologies: VIMS
- Payload technologies:
  - Aggregate Autodig
  - Cat Production Measurement
  - Printer, Cat Production Measurement
- Detect technologies: dedicated display for rear vision camera, full-time activation
- Machine Security System

### POWER TRAIN

- Axles
  - Automatic front/rear differential locks
  - Axle oil cooler
  - Extreme temperature seals
  - Seal guards
- Fan, VPF (variable pitch fan), automatic and manual control
- Radiator, high debris with wider fin spacing

### LINKAGE

- High lift
- Forestry (966 only)
- Extended capacity (972 only)
- Quick coupler ready

### WORK TOOLS

- Performance Series buckets
- Fusion quick coupler
- Forks, pallet
- Forks, logging

### HYDRAULICS

- 3<sup>rd</sup> function with Ride Control
  - Standard linkage
  - High lift linkage
  - Forestry linkage
- 4<sup>th</sup> function with Ride Control
  - Standard linkage
  - High lift linkage
  - Forestry linkage

### FLUIDS

- Premixed extended life coolant with freeze protection to –50° C (–58° F)

### OTHER OPTIONAL EQUIPMENT

- Fenders, roading
- Guard, power train
- Oil change, high speed engine
- Precleaner, turbine
- Precleaner, trash

### OTHER OPTIONAL CONFIGURATIONS

- Industrial and Waste Handler
- Forestry
- Aggregate Handler

# 966M/972M Wheel Loaders

Materials and specifications are subject to change without notice.

Featured machines in photos may include additional equipment.

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)

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