

# 966K

Wheel Loader



## Engine

Engine Model	Cat® C9.3 ACERT™	
Max. Net Power (1,800 rpm) – ISO 9249	201 kW	270 hp
Max. Net Power (1,800 rpm) – SAE J1349	199 kW	267 hp

## Buckets

Bucket Capacities	2.5 m <sup>3</sup> -9.2 m <sup>3</sup>	3.25 yd <sup>3</sup> -12.0 yd <sup>3</sup>
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## Weights

Operating Weight	23 561 kg	51,927 lb
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• For 4.2 m<sup>3</sup> (5.5 yd<sup>3</sup>) general purpose buckets with bolt-on cutting edges.

## 966K Features

### Performance Series Buckets

*With standard Performance Series Buckets, operators benefit from reduced dig times and better material retention; ultimately translating into significant productivity and fuel efficiency improvements.*

### Operator Environment

*The new four post ROPS cab provides enhanced comfort, visibility, and productivity resulting in a more efficient operator. New features include an ergonomic electro-hydraulic (EH) joystick steering system with force feedback (speed sensitive), automatic climate control, viscous mounts to reduce noise and vibration levels, post mounted membrane switches, and a curved windshield giving the operator a panoramic view.*

### Cat® C9.3 ACERT™ Engine

*The innovative Cat C9.3 ACERT engine is optimized for maximum fuel efficiency and increased power density while meeting all Tier 4 Interim and Stage IIIB emissions requirements.*

### Powershift Transmission

*The K Series™ transmissions incorporate a new shifting strategy that delivers smoother shifts, faster acceleration, and increased travel speed when climbing a grade.*

### Fuel Efficiency

*The 966K wheel loader has been integrated as a system; from the linkage and work tool carrying the payload, to the engine, transmission and torque converter moving the machine, the system has been optimized to achieve the lowest cost per ton.*

### Customer Support

*Cat dealers are with customers every step of the way to provide unsurpassed worldwide parts support, trained technicians, training assistance, financing options, and customer support agreements.*

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**The Cat® 966K was designed to improve operator comfort, performance, and productivity, all while meeting Tier 4 Interim and Stage IIIB emissions requirements. The Performance Series Buckets enhance visibility and decrease cycle times. The unmatched, revolutionary world-class cab creates a comfortable, efficient, safe, and productive operator environment. The innovative Cat C9.3 ACERT engine is optimized for maximum fuel efficiency and increased power density while meeting all Tier 4 Interim and Stage IIIB emissions requirements. The reliability, durability, and versatility of the 966K result in a machine that is better built to meet your needs. All day. Every day.**

# Reliability

Tested and Proven. Ready to Work.

## Structures

The K Series™ features many of the components designed and proven reliable over generations of product design.

## Strata Precleaner

The system removes 93% of the dust particles before the air has reached the primary engine air filter. As air enters the precleaner, stationary vanes cause the incoming air to spin. The resulting centrifugal force spins dust and dirt to the outer walls where they are ejected out into the exhaust stream, while the clean air flows down the center of the tube and continues into the primary air filter. The primary benefit is extended filter life.

## Cold Start/High Altitude Package

A new optional cold start package includes a fan pump bypass, transmission pump bypass, additional battery capacity, and an engine heater plug/cord. The bypass systems reduce the parasitic load on the engine, while the additional battery capacity increases the cold cranking revolutions during startup. With the new optional cold start package available on K Series, starting capability has been dramatically improved in cold weather conditions. The system also improves starting capability at high altitudes.

## Monitoring Programs

Monitoring product health is key to maintaining reliability of any equipment. Many programs offered by Caterpillar make the tracking of the customer's machine health quick and easy. These programs include Product Link, VisionLink™, and S·O·S<sup>SM</sup> Services.

## Renowned Cat Dealer Support

From helping you choose the right machine to knowledgeable support, Cat dealers provide the best when it comes to sales and service. Manage costs with preventive maintenance programs like Scheduled Oil Sampling (S·O·S<sup>SM</sup>) analysis or elaborate Customer Support Agreements. Stay productive with best-in-class parts availability. Cat dealers can even help you with operator training to help boost your profits. And when it's time for machine rebuild, your Cat dealer can help you save even more with Genuine Cat Reman parts. Receive the same warranty and reliability as new products at cost savings of 40 to 70 percent for power train and hydraulic components.



# Durability

Better Built to Meet Your Needs



## Frames

The robotically welded two-piece structural frame design provides a rugged and reliable foundation for the machine that improves stability, performance, and serviceability. A robust articulating hitch system joins the front and rear frames improving durability. Enhanced lines routings across the hitch joint streamline the manufacturing process and improve reliability and durability.

## Engine

The new Cat C9.3 ACERT engine was designed to optimize power density. It uses a combination of technologies to reduce regulated emissions while ensuring high performance and excellent fuel efficiency. An upgraded ADEM™ 4 electronic control module manages the combustion process and a new high-pressure common rail fuel system allows precise injection timing for a clean, efficient fuel burn. The rugged Cat Clean Emissions Module is securely mounted on its own platform above the engine and contains a Diesel Oxidation Catalyst, Diesel Particulate Filter and Cat Regeneration System. Regeneration, the process by which soot is removed from the Diesel Particulate Filter, is completely automatic and does not interrupt the machine's work cycle.

## Emissions

The 966K features a Cat C9.3 ACERT engine and a Cat Clean Emissions Module to deliver the performance and efficiency that customers demand, while meeting U.S. EPA Tier 4 Interim/EU Stage IIIB emissions requirements. The six-cylinder electronic engine is turbocharged and aftercooled. The displacement produces better lugging capability, lower internal stresses and longer component life. ACERT™ Technology is a combination of building blocks that includes electronics, fuel systems, air management systems and aftertreatment components. The system is optimized based on engine size, the type of application and the geographic location in which it will work. The technologies are applied systematically and strategically to meet high customer expectations for productivity, fuel efficiency, reliability and service life.

## Axles

The 966K axles are designed to handle extreme applications resulting in reliable performance and extended life. The front axle is rigidly mounted to the frame in order to withstand internal torque loads and still maintain support for the wheel loader. The rear axle can oscillate to  $\pm 13$  degrees helping to ensure all four wheels stay on the ground providing stability even in the roughest terrain.





# Productivity

Move More. All Day. Every Day.

## Z-bar Linkage

The proven Z-bar linkage with Performance Series Buckets offer excellent penetration into the pile, high breakout forces, good roll back angles, and faster dig times. The results are improved tire life, superior fuel efficiency, and exceptional production capabilities; all helping to enable a sustainable solution for your business.

## Load Sensing Hydraulics

Load sensing hydraulics produce flow and pressure for the implement system upon demand and only in amounts necessary to perform the needed work functions, enhancing machine productivity and fuel efficiency. Implement controllability is improved through simultaneous implement operation and repeatable fine modulation, enabling greater operator comfort through ease of operation.

## Ride Control

Ride control provides the operator with a smoother ride over rough terrain, enabling a more comfortable ride at higher speeds. The benefit is reduced cycle times, higher productivity and better fuel efficiency while performing load and carry applications. The system works by using an accumulator to dampen the linkage motion, acting as a shock absorber.

## Torque Converter

The 966K torque converter is optimized to improve fuel efficiency and deliver more power to the ground.

## Transmission

The K series transmissions incorporate a new clutch disc material, which enables a new shifting strategy that delivers smoother shifts, faster acceleration, and better performance climbing a grade. With the further enhancement to a torque based 2 to 1 downshift, owners and operators will fully benefit from utilizing the automatic 1-4 transmission mode; which results in lower fuel consumption and optimal machine performance.

# Versatility

## Work Tool Options to Meet Your Needs



### Work Tools for Many Job Site Requirements

An extensive range of work tools and bucket styles are available for the 966K to customize the machine for your operation. The list includes: Performance Series Buckets; Specialty Buckets (Multipurpose, Side Dump, Waste Handling, Woodchip); Pallet Forks, Log and Lumber Forks, Rakes (with or without top clamps); and Plows (angle or V-style). Each is available either with pin on or quick coupler interface.

### Performance Series Buckets: Load Easy, Fuel Efficient, Carry More

Performance Series Buckets utilize a system-based approach to balance bucket shape with the machine's linkage, weight, lift and tilt capacities. Operators benefit from reduced dig times and better material retention; ultimately translating into significant productivity and fuel efficiency improvements.

### Lower Operating Costs

Performance Series Buckets feature a longer floor that easily digs through the pile and provides excellent visibility for the operators to see when the bucket is full. Less time digging in the pile results in lower fuel consumption and improved tire life. A unique spill guard protects the cab and linkage components from material overflow.

### Higher Productivity

Performance Series Buckets achieve higher fill factors – ranging from 100% to 115% depending on the machine application and material type. The buckets feature optimized geometry with a bucket opening matched to the machine's linkage and incorporate a curved side profile to maximize material retention. The optimized design results in unsurpassed production capabilities.

### Performance Series Bucket Styles

Performance Series Buckets are available for General Purpose, Material Handling, Rock, Heavy Duty Rock and Coal style buckets.

# Fusion Quick Coupler

## Improved Machine Performance

Fusion™ is the patented wheel loader coupler system from Caterpillar. The Fusion Coupler System provides performance virtually identical to pin on – with all the flexibility of a quick coupler system. The Fusion Coupler sits back, close-in to the loader arms – minimizing offset and increasing the machine's performance.

## No Loss of Performance

Imagine lifting a hundred pound box with your arms fully extended. Now imagine lifting that same load close to your body. That's the genius of Fusion: designed to integrate the work tool and the machine by pulling the coupler and tool closer in to the loader. As a result, the center of gravity is moved inward, towards the machine. This translates to increased lifting ability when compared to machines equipped with other coupler systems.

## Unsurpassed Durability

An advanced wedging mechanism creates a tight, rattle-free fit. This patented lock up system eliminates play and wear – resulting in a long service life. Wedges pull the attachment tight to the machine in two directions – in and down. Constant hydraulic pressure on the coupler wedges compensate for wear, assuring a tight fit through the life of the coupler. Tight fit gives better tool control and increased productivity. Coupler durability is substantially increased over traditional couplers.

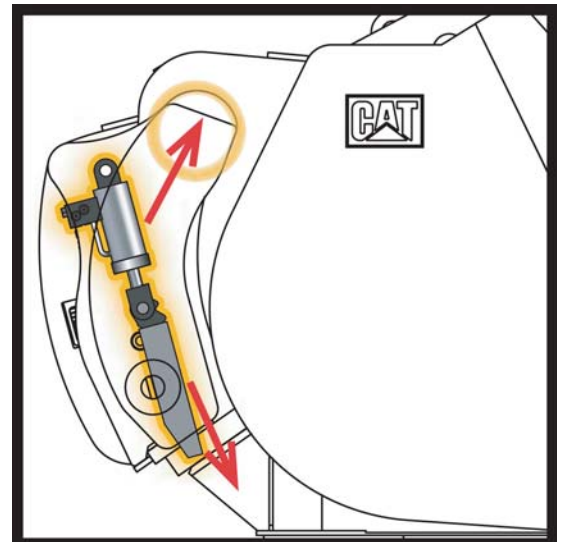
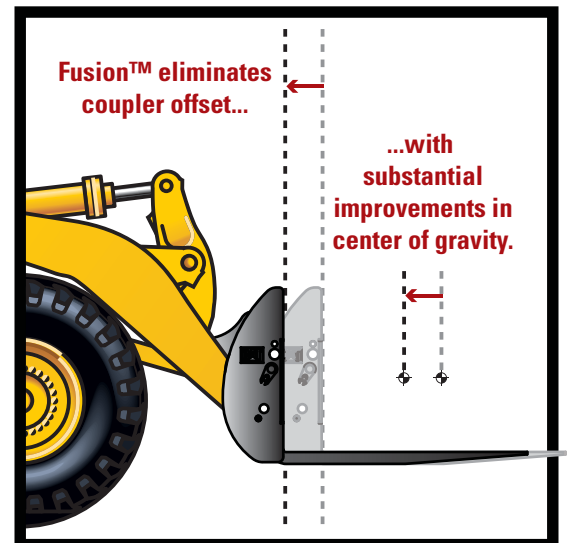
## Enhanced Visibility

An open coupler frame design clears sight lines from the operator's seat, making it easier than ever before to engage and disengage attachments with certainty. Offset tines and other design changes to Fusion Pallet Forks, working in conjunction with the Fusion Coupler, enhance visibility substantially at ground level and truck bed height when compared to traditional coupler and fork combinations.

## Common Interface Compatibility

The Fusion Coupler System gives Caterpillar customers one common interface – eliminating the need for many different couplers across the entire range of small and medium wheel loaders. This expanded machine compatibility not only allows one machine to use a range of work tools, but also allows one work tool to be picked up by machines of many different sizes.

The Fusion coupler interface is designed to work on 924 through 972 machines. Each machine will have its own optimal bucket and fork recommendations. However, cross-machine compatibility gives you additional flexibility and fleet options not found with any other wheel loader coupler.



# Operator Environment

Safe. Comfortable. Efficient.



## Electro-Hydraulic (EH) Joystick Steering with Force Feedback (Speed Sensitive)

The industry leading EH joystick steering system combines operator comfort and precision control to provide a sustainable work environment for the operator. The system incorporates a force feedback motor that automatically adjusts the effort needed to tilt the ergonomic joystick based on ground speed, resulting in superior control in all applications and climates. For customers who prefer a steering wheel, an electro-hydraulic steering wheel is available as an optional.

## Implement Controls (EH)

Seat mounted single axis implement control levers provide the operator with precise control of the work tool, all while moving with the seat for maximum comfort. In cab programmable kick-outs and automatic cylinder snubbing maximize operator comfort and productivity throughout their shift. Optional implement joysticks are available for 2V and 3V hydraulics.

## Seat

The Cat Optimized Seating System is 6-way adjustable to accommodate operators of all sizes. The seat has a one piece high back that supports the lumbar area of the back up through the shoulders. Both armrests are large and can be adjusted up or down to improve comfort and convenience. An optional feature for the cab seat is a heated backrest and cushion.

## Automatic Climate Control and Air Quality

The new climate control system automatically adjusts the air temperature and fan speed to maintain the operator's preferred climate setting. The cab air filtration system is now serviced from outside the cab, enabling maximum air quality and cab cleanliness. Combined together, the operator remains efficient and productive all shift long due to a sustainable work environment.

## Information Display

The central display panel has a large text box, five analog-like gauges, and LED warning indicators. The large text box provides in-language information about machine operation, feature activation and system troubleshooting and calibration. With the 5 large analog-type gauges the operator can easily identify if key systems are within normal operating range. A resettable trip totals function has been incorporated to display information for average fuel consumed, total fuel consumed, idle fuel, idle time, operating hours, odometer, etc. The navigation buttons are located on the side of the screen and help assist with set up and other various functions.





## Entry and Exit

Well-placed grab bars and a ladder inclination angle of 10-degrees forward makes the walk into the cab feel more like a staircase than a ladder. The new wider front hinged door can be opened and closed while seated, greatly improving ingress and egress. Two new left-hand and right-hand sliding windows can also be opened and closed with one hand while seated for comfortable communication to personnel on the ground.

## Visibility

Visibility has been enhanced by removing the steering wheel, adding a curved windshield, and eliminating two ROPS posts. The cab has a clean and clear panoramic view for safe operation of the machine. External rearview mirrors are mounted on the cab to provide all around visibility. The external mirrors fold horizontally to provide fast, safe access to clean the window from the front platform. Optional heated and powered mirrors are available to further improve visibility in cold climates.

## Rearview Camera

With the new standard rearview camera, visibility is greatly enhanced. The camera is located in a pocket on the grill to protect it from damage and the elements. The camera can be set to activate only when the transmission is in reverse to help eliminate distractions in the cab, especially when in dark environments. Two rear work lights are located in the rear grill and can be activated to illuminate the area behind the machine in low light conditions.

## Control Panels and Park Brake Switch

Two control panels located on the front right ROPS post consist of large membrane switches making them easy to activate while wearing gloves. The membrane switches contain LED's to denote activation/mode and have a positive feel and "click" to signal activation. The ISO symbols located on each membrane switch are molded all the way through to ensure the image will not wear off over time. A two position rocker switch activates the electro-hydraulic park brake and is automatically applied upon machine shutdown.

## Sound and Vibration

New viscous cab mounts connect the cab to the frame of the machine, decreasing noise and vibration the operator is subjected to. The result is a sustainable work environment and well-rested operator, remaining efficient and productive. All Day. Every Day.



# Serviceability

Easy to Maintain. Easy to Service.



## Electrical Service Center

The electrical service center provides grouped ground level access to numerous electrical features, enhancing safety and convenience for operators and service technicians. It is conveniently located beneath the right platform for access before entering the cab and contains the maintenance free batteries, a fuse relay panel, main disconnect switch, ground level engine shutdown switch, hood tilt switch, and the jump start receptacle.

## Engine Access

The K Series retains the Cat sloped “one-piece” tilting hood, which has become one of our brand’s hallmarks and provides industry-leading access to the engine, Cat Clean Emissions Module (CEM) and other components but with fresh new styling clearly distinct from the H Series. New to the loaders is a rear clamshell hood design that allows quick access to the engine oil dipstick and fill, fuel fill port, and cooler cores.

## Cooling System

The cooling system is readily accessible for clean out and maintenance. With six cooling fins per inch and a perforated grill, most airborne debris entering the system passes through the cooler cores. The cooler cores swing out providing easy access for cleaning; an option variable pitch fan is available to automatically purge the cooler cores by periodically reversing the airflow.

## Hydraulic Service Center

The hydraulic components are all conveniently located behind the hinged right side access ladder at a single ground level service center improving safety and reducing service time. Accessible from the service center are the transmission and hydraulic oil filters, brake accumulators, pressure test ports, etc.



# Customer Support

Ready to Help. Anytime. Anywhere.



## Machine Selection

Cat dealers are ready to help evaluate machine options; from new or used machine sales, to rental or rebuild options, Cat dealers can provide an optimal solution to meet customer business needs.

## Product Support

Cat dealers are with customers every step of the way to maximize machine uptime by providing unsurpassed worldwide parts support, trained technicians and customer support agreements.

## Operation

To help maximize the return on your investment, Cat dealers offer various training resources to improve operating techniques.

## Financing

Cat dealers offer financing options to meet a variety of customer needs.

# Sustainability

## Conserving Resources

The 966K is designed to compliment your business plan, reduce emissions and minimize the consumption of natural resources.

- Improved fuel efficiency – less fuel consumed results in lower emissions.
- Engine air filter life doubled to reduce cost and waste.
- Improved operator efficiency through enhanced visibility and reduced noise/vibration levels.
- Product Link family of products and solutions that collect, communicate, store and deliver product and job-site information to maximize productivity and reduce costs.
- Major components are rebuildable, eliminating waste and saving money by giving the machine and/or major components a second – and even third – life.



# Owning Costs

## Proven Best Investment



### Customer Support Agreements

A Customer Support Agreement (CSA) is an arrangement between you and your Cat dealer that helps you lower your total cost per ton. CSAs are flexible, allowing them to be tailored to your business needs. They can range from simple Preventive Maintenance Kits to elaborate Total Cost Performance Guarantees. Having a CSA with your Cat dealer enables more time for you to do what you do best – run your business.

### Monitoring Systems

Monitoring product health is key to optimizing the life of an investment into a Cat Wheel Loader.

- **Cat Product Link** – Cat Product Link allows remote monitoring of equipment to improve overall fleet-management effectiveness. Product Link is deeply integrated into machine systems. Events and diagnostic codes, as well as hours, fuel, idle time and other detailed information are transmitted to a secure web based application, VisionLink™. VisionLink includes powerful tools to convey information to users and dealers, including mapping, working and idle time, fuel level and more.
- **S.O.S<sup>SM</sup> Services** – Helps manage component life and decrease machine downtime, increasing productivity and efficiency. Regular fluid sampling can help track what is going on inside your machine. Wear related problems are predictable and easily repairable. Maintenance can be done to accommodate your schedule, resulting in increased uptime and flexibility in maintenance repairs before failure.

### Parts Availability

Caterpillar provides an unsurpassed level of personalized service to help you work more cost effective and efficient. By utilizing a worldwide parts network Cat dealers help minimize machine downtime and save money by delivering replacement parts within 24 hours.

### Resale Value

Owning quality equipment is an important factor in maintaining resale value. Caterpillar is not only known for machines that are better built, but provides product and dealer support to maintain the reliability and durability of your machine.



# Operating Costs

Save Time and Money by Working Smart

Data from customer machines show Cat wheel loaders are among the most fuel efficient machines in the industry. Several features contribute to this excellent fuel efficiency:

- **Performance Series Buckets** – Deliver faster fill times and better material retention, ultimately reducing cycle times while improving productivity and fuel efficiency.
- **Load-Sensing Hydraulics** – Provides only the hydraulic flow required by the implement and steering systems for improved fuel efficiency and greater rimpull.
- **ACERT™ Engine** – Power dense engine enables a more fuel-efficient method to meet emissions regulations.
- **Engine Idle Shutdown** – Automatic engine and electrical system shutdown conserves fuel.
- **Torque Converter** – Transfers more power to the ground and optimizes fuel efficiency in all applications.
- **Shift Strategy** – Reduced torque interruption increases driveline efficiency, conserving fuel. Auto 1-4 transmission mode keeps engine rpm low, reducing fuel consumption while delivering optimal machine performance.

Machine configuration, operator technique, and job site layout can impact fuel consumption by as much as 30 percent.

- **Machine Configuration** – Select the correct work tool and tire type based on machine application. Radial tires are preferred; ensure proper inflation pressures. Heavier tires burn more fuel. Keep engine rpm low by using auto 1-4 transmission mode.
- **Job Site Layout** – Spot loading targets in the right position. Avoid traveling more than twice the machine length during short cycle loading. Reduce transport distance for load and carry cycles by optimizing job site layout.
- **Loading Bucket** – Load in first gear and keep engine rpm low. Raise and tilt bucket smoothly and do not use a “pumping” motion. Avoid lift lever detent and use of transmission neutralizer.
- **Loading Truck or Hopper** – Do not raise the work tool any higher than necessary. Keep engine rpm low and unload in controlled manner.
- **Idle** – Set the parking brake to engage Engine Idle Management System.

# 966K Wheel Loader Specifications

## Engine

Engine Model	Cat® C9.3 ACERT™	
Max. Gross Power (1,800 rpm) – SAE J1995	222 kW	296 hp
Max. Net Power (1,800 rpm) – ISO 9249	201 kW	270 hp
Max. Net Power (1,800 rpm) – SAE J1349	199 kW	267 hp
Max. Net Power (1,800 rpm) – EEC 80/1269	201 kW	270 hp
Peak Gross Torque (1,400 rpm) – SAE J1995	1364 N·m	1,006 ft-lb
Peak Net Torque (1,400 rpm) – SAE J1349	1274 N·m	940 ft-lb
Bore	115 mm	4.5 in
Stroke	149 mm	5.9 in
Displacement	9.3 L	568 in <sup>3</sup>

- Cat engine with ACERT™ Technology – meets EPA Tier 4 Interim/EU Stage IIIB requirements.

## Weights

Operating Weight	23 561 kg	51,927 lb
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- For 4.2 m<sup>3</sup> (5.5 yd<sup>3</sup>) general purpose buckets with bolt-on cutting edges.

## Buckets

Bucket Capacities	2.50 m <sup>3</sup> - 9.20 m <sup>3</sup>	3.25 yd <sup>3</sup> - 12.00 yd <sup>3</sup>
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- Refer to bucket selection chart.

## Operating Specifications

Static Tipping Load Full 37° Turn – ISO 14397-1*	13 938 kg	30,719 lb
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Static Tipping Load Full 37° Turn – Rigid Tires**	15 050 kg	33,172 lb
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Breakout Force	173 kN	38,982 lb
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- For 4.2 m<sup>3</sup> (5.5 yd<sup>3</sup>) general purpose buckets with bolt-on cutting edges.
- \* Full compliance to ISO 14397-1 (2007) Section 1 thru 6, which requires 2% verification between calculations and testing.
- \*\* Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

## Transmission

Forward 1	6.7 km/h	4.2 mph
Forward 2	12.6 km/h	7.8 mph
Forward 3	22.4 km/h	13.9 mph
Forward 4	37.4 km/h	23.2 mph
Reverse 1	7.8 km/h	4.9 mph
Reverse 2	13.7 km/h	8.5 mph
Reverse 3	23.5 km/h	14.6 mph
Reverse 4	38.5 km/h	23.9 mph

- Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 826 mm (33 in) roll radius.

## Hydraulic System

Steering System	Piston
Pump Type	

Implement System – Maximum Pump Output (2,275 rpm)	340 L/min	90 gal/min
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Implement System – Maximum Operating Pressure	31 000 kPa	4,496 psi
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Implement System – Optional 3rd Function Maximum Flow	300 L/min	79.3 gal/min
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Implement System – Optional 3rd Function Maximum Pressure	20 700 kPa	3,000 psi
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Hydraulic Cycle Time – Raise from Carry Position	5.9 Seconds
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Hydraulic Cycle Time – Dump at Maximum Raise	1.5 Seconds
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Hydraulic Cycle Time – Lower, Empty, Float Down	2.4 Seconds
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Hydraulic Cycle Time – Total	9.8 Seconds
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- Cycle time with rated payload.

## Brakes

Brakes	Meet OSHA, SAE J1473 OCT90 and ISO 3450-1985 required standards
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## Axles

Front	Fixed	
Rear	Oscillating ±13 degrees	
Maximum Single-Wheel Rise and Fall	495 mm	19.5 in

## Tires

- Choose from a variety of tires to match your application.
- Choices include:
  - 26.5R25 VLT BS E3 Radial
  - 26.5R25 VJT BS E3/L3 Radial
  - 26.5R25 VMT BS L3 Radial
  - 26.5-25 SRG LD FS L3 Bias
  - 750/65R25 XLD L3T MX L3 Radial
  - 26.5R25 XHA2 MX L3 Radial
  - 26.5R25 XLD D1 MX L4 Radial
  - 26.5R25 VSNT BS E4/L4 Radial
  - 26.5-25 SDT LD FS L5 Bias
  - 26.5R25 VSDL BS L5 Radial
  - 26.5R25 XLDD2 MX L5 Radial
  - 26.5R25 X MINE D2 MX L5 Radial
- NOTE: In certain applications (such as load and carry), the loader's productive capabilities might exceed the tires' tonnes-km/h (ton-mph) capabilities. Caterpillar recommends that you consult a tire supplier to evaluate all conditions before selecting a tire model. Other special tires are available on request.

## Cab

- |           |                             |
|-----------|-----------------------------|
| ROPS/FOPS | Meets SAE and ISO standards |
|-----------|-----------------------------|
- Cat cab with a four post integrated Rollover Protective Structure (ROPS) are standard in North America and Europe.
  - ROPS meets SAE J1040 APR88 and ISO 3471:1994 criteria.
  - Falling Objects Protective Structure (FOPS) meets SAE J231 JAN81 and ISO:1992 Level II criteria.
  - 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.
  - The operator sound pressure level for a standard machine configuration, measured according to the procedures specified in ISO 6396:2008, is 71 dB(A) with the cooling fan speed set at maximum value.
  - The machine sound power level for a standard machine configuration, measured according to the procedures specified in ISO 6395:2008, is 111 dB(A) with the cooling fan speed set at maximum value.
  - The machine sound pressure level for a standard machine configuration, measured according to the procedures specified in SAE J88:2006, is 76 dB(A). The measurement was conducted under the following conditions: distance of 15 m (49.2 ft), moving forward in an intermediate gear ratio, static hydraulic cycle (with no payload) and with the cooling fan speed set at maximum value.
  - The operator sound pressure level for a machine installed with a Low Sound package, measured according to the procedures specified in ISO 6396:2008, is 69 dB(A) with the cooling fan speed set at maximum value.
  - The machine sound power level for a machine installed with a Low Sound package, measured according to the procedures specified in ISO 6396:2008, is 108 dB(A) with the cooling fan speed set at maximum value.

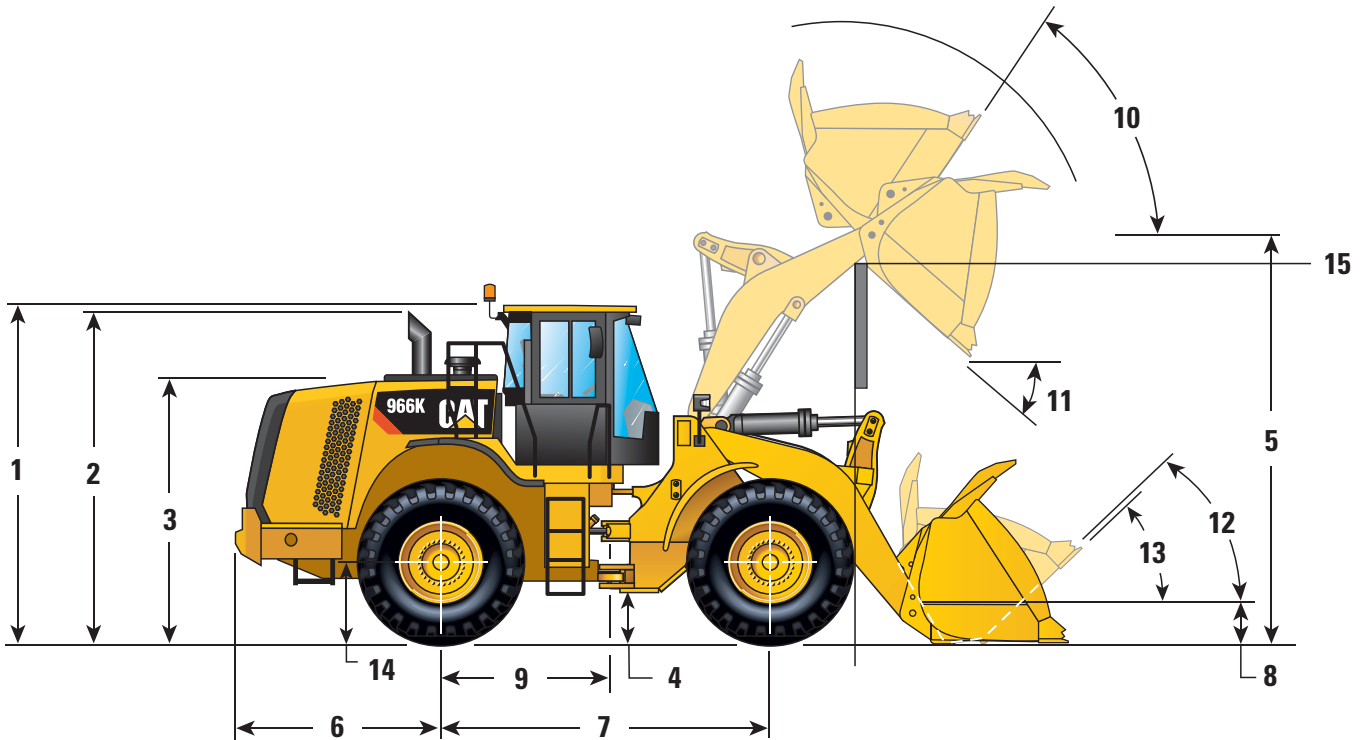
## Service Refill Capacities

Fuel Tank – Standard	381 L	101 gal
Cooling System	65 L	17.2 gal
Crankcase	24.5 L	6.5 gal
Transmission	50 L	13.2 gal
Differentials and Final Drives – Front	64 L	16.9 gal
Differentials and Final Drives – Rear	64 L	16.9 gal
Hydraulic Tank	198 L	52.3 gal

# 966K Wheel Loader Specifications

## Dimensions

All dimensions are approximate and based on L3 Michelin XHA2 tires.



1	Height to Top of ROPS	3547 mm	11'7"
2	Height to Top of Exhaust Pipe	3518 mm	11'6"
3	Height to Top of Hood	2828 mm	9'3"
4	Ground Clearance with 26.5R25 (See Tire Option Chart for Other Tires)	475 mm	1'6"
5	B-Pin Height – Standard	4234 mm	13'10"
	B-Pin Height – High Lift	4792 mm	15'8"
6	Center Line of Rear Axle to Edge of Counterweight	2187 mm	7'2"
7	Wheelbase	3450 mm	11'3"
8	B-Pin Height @ Carry – Standard	640 mm	2'1"
9	Center Line of Rear Axle to Hitch	1725 mm	5'7"
10	Rack Back @ Maximum Lift	62 degrees	
11	Dump Angle @ Maximum Lift	49 degrees	
12	Rack Back @ Carry	50 degrees	
13	Rack Back @ Ground	42 degrees	
14	Height to Center Line of Axle	798 mm	2'7"
15	Lift Arm Clearance – Standard Lift	3654 mm	12'0"
	Lift Arm Clearance – High Lift	4144 mm	13'7"



## Operating Specifications

Bucket Type		General Purpose – Pin On					
		Bolt-On Edges	Teeth and Segments	Teeth	Bolt-On Edges	Teeth and Segments	Teeth
Capacity – Rated	m <sup>3</sup>	3.80	3.80	3.60	4.00	4.00	3.80
	yd <sup>3</sup>	4.97	4.97	4.71	5.23	5.23	4.97
Capacity – Struck	m <sup>3</sup>	2.80	2.80	2.60	2.80	2.80	2.60
	yd <sup>3</sup>	3.66	3.66	3.40	3.66	3.66	3.40
Width	mm	3220	3307	3307	3220	3307	3307
	ft/in	10'6"	10'10"	10'10"	10'6"	10'10"	10'10"
Dump Clearance at Maximum Lift and 45° Discharge	mm	3066	2914	2914	3057	2904	2904
	ft/in	10'0"	9'6"	9'6"	10'0"	9'6"	9'6"
Reach at Maximum Lift and 45° Discharge	mm	1327	1467	1467	1334	1473	1473
	ft/in	4'4"	4'9"	4'9"	4'4"	4'10"	4'10"
Reach at Level Lift Arm and Bucket Level	mm	2739	2943	2943	2750	2955	2955
	ft/in	8'11"	9'7"	9'7"	9'0"	9'8"	9'8"
Digging Depth	mm	125	125	95	125	125	95
	ft/in	4.9"	4.9"	3.7"	4.9"	4.9"	3.7"
Overall Length	mm	8593	8818	8818	8604	8830	8830
	ft/in	28'3"	29'0"	29'0"	28'3"	29'0"	29'0"
Overall Height with Bucket at Maximum Lift	mm	5787	5787	5787	5901	5901	5901
	ft/in	19'0"	19'0"	19'0"	19'5"	19'5"	19'5"
Loader Clearance Circle with Bucket at Carry Position	mm	14 727	14 931	14 931	14 733	14 937	14 937
	ft/in	48'4"	49'0"	49'0"	48'5"	49'1"	49'1"
Static Tipping Load – Straight – ISO 14397-1*	kg	16 074	15 893	16 087	16 054	15 873	16 099
	lb	35,428	35,028	35,457	35,384	34,984	35,484
Static Tipping Load – Straight – Rigid Tires**	kg	17 211	17 026	17 210	17 200	17 015	17 244
	lb	37,933	37,526	37,931	37,910	37,502	38,007
Static Tipping Load – Full 37° Turn – ISO 14397-1*	kg	14 140	13 958	14 144	14 117	13 934	14 146
	lb	31,166	30,763	31,174	31,115	30,711	31,179
Static Tipping Load – Full 37° Turn – Rigid Tires**	kg	15 252	15 067	15 242	15 238	15 052	15 266
	lb	33,615	33,208	33,595	33,584	33,176	33,647
Breakout Force	kN	187	185	199	185	183	197
	lb	42,149	41,779	44,899	41,694	41,323	44,388
Operating Weight	kg	23 453	23 590	23 427	23 505	23 642	23 479
	lb	51,689	51,993	51,633	51,803	52,107	51,748

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

\*\*Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

# 966K Wheel Loader Specifications

## Operating Specifications

Bucket Type		General Purpose – Pin On					
		Bolt-On Edges	Teeth and Segments	Teeth	Bolt-On Edges	Teeth and Segments	Teeth
Capacity – Rated	m <sup>3</sup>	4.20	4.20	4.00	4.60	4.60	4.40
	yd <sup>3</sup>	5.49	5.49	5.23	6.02	6.02	5.75
Capacity – Struck	m <sup>3</sup>	3.00	3.00	2.70	3.20	3.20	3.00
	yd <sup>3</sup>	3.92	3.92	3.53	4.19	4.19	3.92
Width	mm	3220	3307	3307	3220	3307	3307
	ft/in	10'6"	10'10"	10'10"	10'6"	10'10"	10'10"
Dump Clearance at Maximum Lift and 45° Discharge	mm	2990	2836	2836	2976	2822	2822
	ft/in	9'9"	9'3"	9'3"	9'9"	9'3"	9'3"
Reach at Maximum Lift and 45° Discharge	mm	1388	1525	1525	1400	1537	1537
	ft/in	4'6"	5'0"	5'0"	4'7"	5'0"	5'0"
Reach at Level Lift Arm and Bucket Level	mm	2838	3043	3043	2857	3062	3062
	ft/in	9'3"	9'11"	9'11"	9'4"	10'0"	10'0"
Digging Depth	mm	125	125	95	125	125	95
	ft/in	4.9"	4.9"	3.7"	4.9"	4.9"	3.7"
Overall Length	mm	8692	8917	8917	8711	8936	8936
	ft/in	28'7"	29'4"	29'4"	28'7"	29'4"	29'4"
Overall Height with Bucket at Maximum Lift	mm	5901	5901	5901	5873	5873	5873
	ft/in	19'5"	19'5"	19'5"	19'4"	19'4"	19'4"
Loader Clearance Circle with Bucket at Carry Position	mm	14 778	14 983	14 983	14 787	14 993	14 993
	ft/in	48'6"	49'2"	49'2"	48'7"	49'3"	49'3"
Static Tipping Load – Straight – ISO 14397-1*	kg	15 862	15 679	15 913	15 855	15 670	16 011
	lb	34,960	34,557	35,073	34,944	34,538	35,289
Static Tipping Load – Straight – Rigid Tires**	kg	16 999	16 813	17 050	17 015	16 827	17 182
	lb	37,467	37,057	37,579	37,501	37,087	37,869
Static Tipping Load – Full 37° Turn – ISO 14397-1*	kg	13 938	13 753	13 973	13 921	13 735	14 065
	lb	30,719	30,313	30,796	30,682	30,272	31,001
Static Tipping Load – Full 37° Turn – Rigid Tires**	kg	15 050	14 864	15 085	15 055	14 867	15 209
	lb	33,172	32,762	33,248	33,182	32,768	33,522
Breakout Force	kN	173	171	184	170	168	180
	lb	38,982	38,616	41,340	38,275	37,910	40,559
Operating Weight	kg	23 561	23 698	23 535	23 601	23 738	23 575
	lb	51,927	52,231	51,871	52,015	52,319	51,959

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

\*\*Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

## Operating Specifications

Bucket Type		General Purpose – Fusion QC					
		Bolt-On Edges	Teeth and Segments	Teeth	Bolt-On Edges	Teeth and Segments	Teeth
Capacity – Rated	m <sup>3</sup>	3.80	3.80	3.60	4.20	4.20	4.00
	yd <sup>3</sup>	4.97	4.97	4.71	5.49	5.49	5.23
Capacity – Struck	m <sup>3</sup>	2.80	2.80	2.60	3.80	3.80	3.60
	yd <sup>3</sup>	3.66	3.66	3.40	4.97	4.97	4.71
Width	mm	3220	3307	3307	3220	3307	3307
	ft/in	10'6"	10'10"	10'10"	10'6"	10'10"	10'10"
Dump Clearance at Maximum Lift and 45° Discharge	mm	3038	2886	2886	2960	2806	2806
	ft/in	9'11"	9'5"	9'5"	9'8"	9'2"	9'2"
Reach at Maximum Lift and 45° Discharge	mm	1363	1502	1502	1434	1572	1572
	ft/in	4'5"	4'11"	4'11"	4'8"	5'1"	5'1"
Reach at Level Lift Arm and Bucket Level	mm	2784	2988	2988	2893	3097	3097
	ft/in	9'1"	9'9"	9'9"	9'5"	10'1"	10'1"
Digging Depth	mm	123	123	93	117	117	87
	ft/in	4.8"	4.8"	3.6"	4.6"	4.6"	3.4"
Overall Length	mm	8636	8861	8861	8740	8965	8965
	ft/in	28'4"	29'1"	29'1"	28'9"	29'5"	29'5"
Overall Height with Bucket at Maximum Lift	mm	5814	5814	5814	5965	5965	5965
	ft/in	19'1"	19'1"	19'1"	19'7"	19'7"	19'7"
Loader Clearance Circle with Bucket at Carry Position	mm	14 741	14 948	14 948	14 794	15 002	15 002
	ft/in	48'5"	49'1"	49'1"	48'7"	49'3"	49'3"
Static Tipping Load – Straight – ISO 14397-1*	kg	15 566	15 385	15 672	15 253	15 072	15 397
	lb	34,309	33,910	34,542	33,619	33,219	33,936
Static Tipping Load – Straight – Rigid Tires**	kg	16 694	16 509	16 796	16 363	16 178	16 516
	lb	36,794	36,387	37,019	36,064	35,657	36,403
Static Tipping Load – Full 37° Turn – ISO 14397-1*	kg	13 646	13 464	13 744	13 360	13 177	13 490
	lb	30,077	29,675	30,292	29,445	29,042	29,732
Static Tipping Load – Full 37° Turn – Rigid Tires**	kg	14 751	14 567	14 846	14 448	14 264	14 588
	lb	32,513	32,107	32,721	31,844	31,438	32,152
Breakout Force	kN	180	179	192	166	164	176
	lb	40,616	40,248	43,175	37,380	37,019	39,557
Operating Weight	kg	23 872	24 009	23 846	23 935	24 072	23 909
	lb	52,612	52,916	52,557	52,751	53,055	52,695

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

\*\*Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

# 966K Wheel Loader Specifications

## Operating Specifications

Bucket Type		General Purpose – Fusion QC			Material Handling – Pin On		
		Bolt-On Edges	Teeth and Segments	Teeth	Bolt-On Edges	Teeth and Segments	Teeth
Capacity – Rated	m <sup>3</sup>	4.60	4.60	4.40	4.20	4.20	4.00
	yd <sup>3</sup>	6.02	6.02	5.75	5.49	5.49	5.23
Capacity – Struck	m <sup>3</sup>	3.20	3.20	3.00	3.50	3.50	3.30
	yd <sup>3</sup>	4.19	4.19	3.92	4.58	4.58	4.32
Width	mm	3220	3307	3307	3220	3307	3307
	ft/in	10'6"	10'10"	10'10"	10'6"	10'10"	10'10"
Dump Clearance at Maximum Lift and 45° Discharge	mm	2946	2791	2791	2966	2803	2803
	ft/in	9'7"	9'1"	9'1"	9'8"	9'2"	9'2"
Reach at Maximum Lift and 45° Discharge	mm	1436	1573	1573	1263	1390	1390
	ft/in	4'8"	5'1"	5'1"	4'1"	4'6"	4'6"
Reach at Level Lift Arm and Bucket Level	mm	2904	3108	3108	2784	2988	2988
	ft/in	9'6"	10'2"	10'2"	9'1"	9'9"	9'9"
Digging Depth	mm	124	124	94	125	125	95
	ft/in	4.9"	4.9"	3.7"	4.9"	4.9"	3.7"
Overall Length	mm	8757	8982	8982	8638	8863	8863
	ft/in	28'9"	29'6"	29'6"	28'5"	29'1"	29'1"
Overall Height with Bucket at Maximum Lift	mm	6050	6050	6050	5873	5873	5873
	ft/in	19'11"	19'11"	19'11"	19'4"	19'4"	19'4"
Loader Clearance Circle with Bucket at Carry Position	mm	14 805	15 013	15 013	14 750	14 955	14 955
	ft/in	48'7"	49'4"	49'4"	48'5"	49'1"	49'1"
Static Tipping Load – Straight – ISO 14397-1*	kg	14 443	14 269	14 565	15 829	15 648	15 998
	lb	31,833	31,449	32,103	34,887	34,489	35,260
Static Tipping Load – Straight – Rigid Tires**	kg	15 451	15 274	15 580	16 945	16 761	17 126
	lb	34,054	33,664	34,338	37,346	36,941	37,747
Static Tipping Load – Full 37° Turn – ISO 14397-1*	kg	12 629	12 453	12 740	13 917	13 735	14 071
	lb	27,834	27,447	28,080	30,674	30,273	31,014
Static Tipping Load – Full 37° Turn – Rigid Tires**	kg	13 623	13 446	13 740	15 009	14 826	15 176
	lb	30,025	29,636	30,284	33,081	32,676	33,448
Breakout Force	kN	163	162	173	180	179	192
	lb	36,807	36,444	38,932	40,628	40,259	43,186
Operating Weight	kg	24 050	24 187	24 024	23 515	23 652	23 489
	lb	53,005	53,309	52,949	51,825	52,129	51,770

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

\*\*Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

## Operating Specifications

Bucket Type		Rock – Pin On			Coal – Pin On	Coal – Fusion QC	High Lift Change in Specs
		Bolt-On Edges	Teeth and Segments	Teeth	Bolt-On Edges	Bolt-On Edges	
Capacity – Rated	m <sup>3</sup>	3.40	3.40	3.20	7.10	7.10	
	yd <sup>3</sup>	4.45	4.45	4.19	9.29	9.29	
Capacity – Struck	m <sup>3</sup>	2.30	2.30	2.10	5.30	5.30	
	yd <sup>3</sup>	3.01	3.01	2.75	6.93	6.93	
Width	mm	3252	3252	3252	3447	3447	
	ft/in	10'8"	10'8"	10'8"	11'3"	11'3"	
Dump Clearance at Maximum Lift and 45° Discharge	mm	3053	2955	2955	2624	2596	558
	ft/in	10'0"	9'8"	9'8"	8'7"	8'6"	1'9"
Reach at Maximum Lift and 45° Discharge	mm	1488	1610	1610	1583	1630	-24
	ft/in	4'10"	5'3"	5'3"	5'2"	5'4"	-1"
Reach at Level Lift Arm and Bucket Level	mm	2852	3008	3008	3252	3305	404
	ft/in	9'4"	9'10"	9'10"	10'8"	10'10"	1'3"
Digging Depth	mm	139	139	95	141	127	-25
	ft/in	5.4"	5.4"	3.7"	5.5"	5"	-1"
Overall Length	mm	8714	8875	8875	9118	9160	787
	ft/in	28'8"	29'2"	29'2"	29'11"	30'1"	2'7"
Overall Height with Bucket at Maximum Lift	mm	5775	5775	5775	6070	6313	559
	ft/in	19'0"	19'0"	19'0"	19'11"	20'9"	1'10"
Loader Clearance Circle with Bucket at Carry Position	mm	14 822	14 908	14 908	15 214	15 232	481
	ft/in	48'8"	48'11"	48'11"	49'11"	50'0"	1'7"
Static Tipping Load – Straight – ISO 14397-1*	kg	15 795	15 725	16 090	15 171	14 643	273
	lb	34,812	34,659	35,464	33,437	32,274	603
Static Tipping Load – Straight – Rigid Tires**	kg	16 896	16 825	17 201	16 346	15 814	229
	lb	37,238	37,082	37,911	36,028	34,855	505
Static Tipping Load – Full 37° Turn – ISO 14397-1*	kg	13 868	13 798	14 158	13 269	12 749	81
	lb	30,567	30,412	31,204	29,246	28,100	179
Static Tipping Load – Full 37° Turn – Rigid Tires**	kg	14 948	14 877	15 245	14 421	13 899	48
	lb	32,946	32,790	33,600	31,784	30,634	107
Breakout Force	kN	185	185	193	129	125	-14
	lb	41,740	41,608	43,464	29,094	28,137	-3,174
Operating Weight	kg	23 667	23 719	23 488	23 868	24 365	1726
	lb	52,162	52,277	51,768	52,605	53,701	3,803

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

\*\*Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

# 966K Wheel Loader Specifications

## Bucket Selection Chart

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> (4.97 yd <sup>3</sup> )											4.37 m <sup>3</sup> (5.72 yd <sup>3</sup> )								3.80 m <sup>3</sup> (4.97 yd <sup>3</sup> )	
		General Purpose	4.00 m <sup>3</sup> (5.23 yd <sup>3</sup> )												4.60 m <sup>3</sup> (6.02 yd <sup>3</sup> )								4.00 m <sup>3</sup> (5.23 yd <sup>3</sup> )
		General Purpose	4.20 m <sup>3</sup> (5.49 yd <sup>3</sup> )												4.83 m <sup>3</sup> (6.32 yd <sup>3</sup> )								4.20 m <sup>3</sup> (5.49 yd <sup>3</sup> )
		General Purpose	4.60 m <sup>3</sup> (6.02 yd <sup>3</sup> )										5.29 m <sup>3</sup> (6.92 yd <sup>3</sup> )										4.60 m <sup>3</sup> (6.02 yd <sup>3</sup> )
	Material Handling	4.20 m <sup>3</sup> (5.49 yd <sup>3</sup> )												4.83 m <sup>3</sup> (6.32 yd <sup>3</sup> )								4.20 m <sup>3</sup> (5.49 yd <sup>3</sup> )	
	Rock	3.20 m <sup>3</sup> (4.22 yd <sup>3</sup> )													3.91 m <sup>3</sup> (5.11 yd <sup>3</sup> )								3.00 m <sup>3</sup> (4.00 yd <sup>3</sup> )
	Coal	7.10 m <sup>3</sup> (9.29 yd <sup>3</sup> )	8.17 m <sup>3</sup> (10.69 yd <sup>3</sup> )																				7.10 m <sup>3</sup> (9.29 yd <sup>3</sup> )
	Fusion QC	General Purpose	3.80 m <sup>3</sup> (4.97 yd <sup>3</sup> )												4.37 m <sup>3</sup> (5.72 yd <sup>3</sup> )								3.80 m <sup>3</sup> (4.97 yd <sup>3</sup> )
		General Purpose	4.20 m <sup>3</sup> (5.49 yd <sup>3</sup> )												4.83 m <sup>3</sup> (6.32 yd <sup>3</sup> )								4.20 m <sup>3</sup> (5.49 yd <sup>3</sup> )
		General Purpose	4.60 m <sup>3</sup> (6.02 yd <sup>3</sup> )											5.29 m <sup>3</sup> (6.92 yd <sup>3</sup> )									4.60 m <sup>3</sup> (6.02 yd <sup>3</sup> )
Coal		7.10 m <sup>3</sup> (9.29 yd <sup>3</sup> )	8.17 m <sup>3</sup> (10.69 yd <sup>3</sup> )																				7.10 m <sup>3</sup> (9.29 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 Density		115% 110% 105% 100% 95%																					

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

## POWER TRAIN

Brakes, full hydraulic enclosed wet-disc with Integrated Braking System (IBS)  
 Brake wear indicators  
 Diesel Particulate Filter (DPF)  
 Engine, Cat 9.3 with Tier 4 Interim rating  
 Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, on demand  
 Fuel Management System (FMS)  
 Fuel priming pump (electric)  
 Fuel/water separator  
 Guard, vandalism  
 Precleaner, engine air intake  
 Radiator, unit core (6 fpi) with ATAAC  
 Switch, transmission neutralizer lockout  
 Torque converter, free wheel stator  
 Transmission, automatic planetary power shift (4F/4R)  
 Variable Shift Control (VSC)

## ELECTRICAL

Alarm, back-up  
 Alternator, 150-amp brushless  
 Batteries, (2) maintenance free 1,400 CCA  
 Ignition key; start/stop switch  
 Lighting system:
 

- Four halogen work lights
- Two halogen roading lights (with signals)
- Two halogen rear vision lights (hood mounted)

 Main disconnect switch  
 Receptacle start (cables not included)  
 Starter, electric, heavy duty  
 Starting and charging system (24-volt)

## OPERATOR ENVIRONMENT

Air conditioner, heater, and defroster (auto temp and fan)  
 Beverage holders (2) with storage compartment for cell phone/MP3 player  
 Bucket/Work Tool function lockout  
 Cab, pressurized and sound suppressed, (ROPS/FOPS) radio ready (entertainment) includes antenna, speakers and converter (12-volt 10-amp)  
 Camera, rearview  
 Coat hook (2)  
 EH controls, lift and tilt function  
 EH parking brake  
 Computerized monitoring system  
 Instrumentation, gauges:
 

- Digital gear range indicator
- DPF soot loading percent
- Engine coolant temperature
- Fuel level
- Hydraulic oil temperature
- Speedometer/tachometer
- Transmission oil temperature

 Instrumentation, warning indicators:
 

- Axle oil temperature
- Battery voltage hi/low
- Engine air filter restriction
- Engine intake manifold temperature
- Engine oil pressure
- Fuel level and pressure hi/low
- Hydraulic oil filter restriction
- Hydraulic oil low
- Parking brake
- Primary steering oil pressure
- Service brake oil pressure
- Transmission filter bypass

 Horn, electric  
 Light, two dome (cab)  
 Mirrors, rearview external (includes spot mirrors)  
 Post mounted membrane switch keypads  
 Receptacle, 12-volt  
 Seat, Cat Comfort (cloth) air suspension  
 Seat belt, retractable, 51 mm (2") wide  
 Steering, EH joystick, speed sensing with force feedback  
 Sun visor, front  
 Wet-arm wipers/washers front and rear
 

- Intermittent front wiper

 Window, sliding (left and right sides)  
 Viscous mounts

## TIRES

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

## FLUIDS

Premixed 50% concentration of Extended Life Coolant with freeze protection to  $-34^{\circ}\text{C}$  ( $-29^{\circ}\text{F}$ )

## OTHER STANDARD EQUIPMENT

Auto idle shutdown  
 Couplings, Cat O-ring face seal  
 Ecology drains for engine, transmission, axles, and hydraulics  
 Ether aid  
 Fenders, steel front with mud-flap/rear with extension  
 Filters:
 

- Fuel, primary/secondary
- Engine air, primary/secondary
- Engine oil
- Hydraulic oil
- Transmission

 Fuel cooler  
 Grease zerks  
 Grill, airborne debris  
 Hitch, drawbar with pin  
 Hood, non-metallic power tilting with rear clamshell  
 Hoses, Cat XT  
 Hydraulic oil cooler (swing out)  
 Hydraulic system, load sensing  
 Kickout, lift and tilt, automatic (adjustable in cab)  
 Linkage, Z-bar, cast crosstube/tilt lever  
 Oil sampling valves  
 Platform, window washing  
 Product Link  
 Remote diagnostic pressure taps  
 Ride control, 2V  
 Service center (electrical and hydraulic)  
 Sight gauges: engine coolant, hydraulic oil, and transmission oil level  
 Steering, load sensing  
 Toolbox  
 Vandalism protection caplocks

# 966K Optional Equipment

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

## Power Train

- Differentials
  - Open, front or rear
  - Limited slip, front or rear
- Extreme temperature seals
- Seal guards
- Axle oil cooler

Hydraulics arrangement, 3 valve

Cold start package (120V)

Comfort package

Work lighting package, halogen

Work lighting package, HID

Forestry package

Industrial package

High lift, 2 valve

High lift, 3 valve

Quick coupler

Quick coupler ready, 2V

Quick coupler ready, 3V

Bucket and work tool options  
(contact Cat Work Tools)

Lights, signal LED

Product Link, satellite

Control, aggregate autodig

Joystick, 2 valve

Joystick, 3 valve

Payload control system

Printer, payload CNTL system

Radio, AM/FM CD/MP3 player

Radio, CB (ready)

Radio, Satellite – XM (Bluetooth capable)

Radio, Satellite – Sirius (Bluetooth capable)

Steering secondary

Filter, carbon fresh air

Seat belt, 76 mm (3") wide

Sun visor, rear

Security system, machine

Cooling, high ambient

Guard, power train

Guard, front window

Guard, complete cab

Guard, front window (Logger)

Autolube

Fenders, roading with fender extensions  
front/rear

Precleaner, HVAC

Precleaner, turbine

Precleaner, turbine/trash

Oil change system, high speed

Sound suppression (low) NACD

Fan, variable pitch

Antifreeze, –50° C (–58° F)









# 966K Wheel Loader

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AEHQ6211 (03-2011)

