

972K

Wheel Loader



Engine

Engine Model	Cat® C9.3 ACERT™	
Max. Net Power (1,800 rpm) – ISO 9249	215 kW	288 hp
Max. Net Power (1,800 rpm) – ISO 9249 (metric)		292 hp
Max. Net Power (1,800 rpm) – SAE J1349	215 kW	288 hp

Buckets

Bucket Capacities	2.9 m ³ -9.9 m ³	3.75 yd ³ -13.0 yd ³
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Weights

Operating Weight	26 212 kg	57,770 lb
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- For 4.8 m³ (6.3 yd³) general purpose buckets with bolt-on cutting edges.

972K 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.

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.

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 position control and force feedback (speed sensitive), automatic climate control, viscous mounts to reduce noise and vibration levels, post mounted membrane switches, and a convex 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 Tier 4 Interim/Stage IIIB emission standards.

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 972K 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.

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The Cat® 972K was designed to improve operator comfort, performance, and productivity, all while meeting Tier 4 Interim/Stage IIIB emission standards. 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 Tier 4 Interim/Stage IIIB emission standards. The reliability, durability, and versatility of the 972K 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·SSM 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·SSM) 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 rubber 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 972K features a Cat C9.3 ACERT engine and a Cat Clean Emissions Module to deliver the performance and efficiency that customers demand, while meeting Tier 4 Interim/Stage IIIB emission standards. The six-cylinder electronic engine is turbocharged and aftercooled. 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 972K 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 ± 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 972K torque converter has been optimized to improve fuel efficiency and deliver more power to the ground. The 10% increase to rimpull delivers a performance and fuel efficiency boost in all applications.

Transmission

The K series transmissions incorporate a new shifting strategy that delivers smoother shifts, faster acceleration, and better performance climbing a grade. When placing the transmission into forward gear, the machine will automatically start in second gear. With the further enhancement of a torque based 2 to 1 downshift, the downshift will only occur based on machine load. 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 972K 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 Material Handling and light material 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.

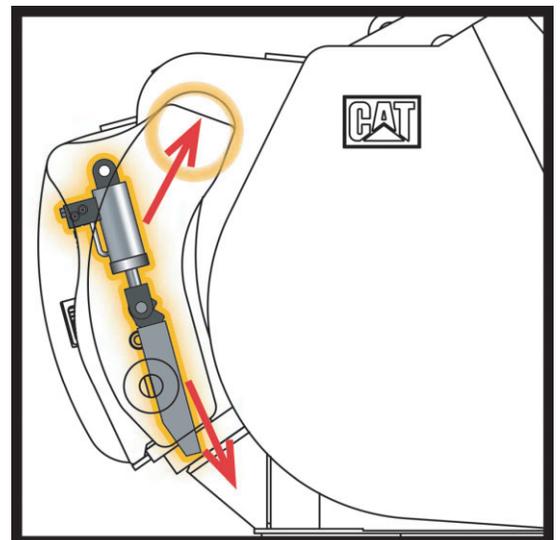
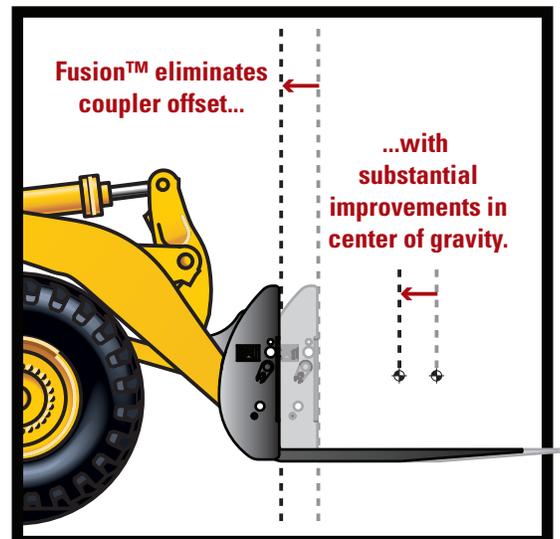
Enhanced Visibility

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 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 option.

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, down, fore, and aft to enhance comfort and convenience. An optional feature for the cab seat is a heated backrest and cushion.

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. This contributes to a well-rested operator, who remains efficient and productive. All Day. Every Day.

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.

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 recirculates 90% of the cab air and is now serviced from outside the cab, enabling maximum air quality and cab cleanliness. The new air conditioning sealing system keeps refrigerant contained preventing system shutdown. Combined together, the operator remains efficient and productive all shift long.

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. When further comfort is needed, an optional retractable ladder provides an inclination of 18-degrees. 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 convex windshield, and eliminating two cab 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 can be activated to enhance vision 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 new "help" feature explains the function of each membrane switch. A two position rocker switch activates the electro-hydraulic park brake and is automatically applied upon machine shutdown.



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 left 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 enhancing safety and reducing service time. Accessible from the service center are the transmission and hydraulic oil filters, brake accumulators, pressure test ports, etc.

Sustainability

Conserving Resources



The 972K 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.
- Machine is built with a 96% recyclability rate (ISO 16714) to conserve valuable natural resources and further enhance machine end-of-life value.
- 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.

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

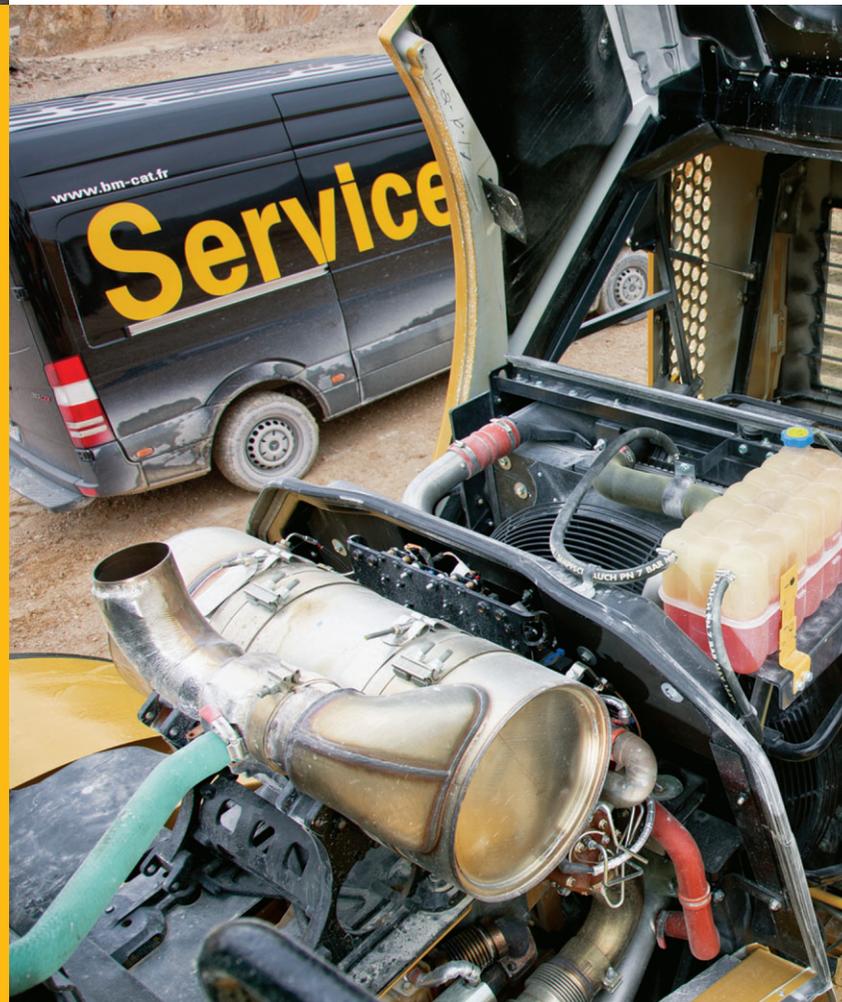
Cat dealers are with customers every step of the way to maximize machine uptime by providing unsurpassed worldwide parts support, trained technicians and customer support agreements.

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.



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.SSM 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.
- **Fuel Management System (FMS)** – Optimizes power for maximum fuel savings with minimal impact on production.
- **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.

972K Wheel Loader Specifications

Engine

Engine Model	Cat® C9.3 ACERT™	
Max. Gross Power (1,800 rpm) – SAE J1995	237 kW	318 hp
Max. Gross Power (1,800 rpm) – SAE J1995 (metric)		322 hp
Max. Net Power (1,800 rpm) – ISO 9249	215 kW	288 hp
Max. Net Power (1,800 rpm) – ISO 9249 (metric)		292 hp
Max. Net Power (1,800 rpm) – SAE J1349	215 kW	288 hp
Max. Net Power (1,800 rpm) – SAE J1349 (metric)		292 hp
Max. Net Power (1,800 rpm) – EEC 80/1269	215 kW	288 hp
Max. Net Power (1,800 rpm) – EEC 80/1269 (metric)		292 hp
Peak Gross Torque (1,400 rpm) – SAE J1995	1426 Nm	1,051 ft-lb
Peak Net Torque (1,400 rpm) – SAE J1349	1335 Nm	985 ft-lb
Bore	115 mm	4.5 in
Stroke	149 mm	5.9 in
Displacement	9.3 L	568 in ³

- Cat engine with ACERT Technology – meets Tier 4 Interim/Stage IIIB emission standards.

Weights

Operating Weight 26 212 kg 57,770 lb

- For 4.8 m³ (6.3 yd³) general purpose buckets with BOCE.

Buckets

Bucket Capacities 2.90 m³- 3.75 yd³-
9.90 m³ 13.00yd³

- Refer to bucket selection chart.

Operating Specifications

Static Tipping Load 16 317 kg 35,963 lb
Full 37° Turn –
ISO 14397-1*

Static Tipping Load 17 642 kg 38,884 lb
Full 37° Turn –
Rigid Tires**

Breakout Force 196 kN 44,075 lb

- For 4.8 m³ (6.3 yd³) general purpose buckets with BOCE.
- * Full compliance to ISO (2007) 14397-1 Sections 1 thru 6, which requires 2% verification between calculations and testing.
- ** Compliance to ISO (2007) 14397-1 Sections 1 thru 5.

Transmission

Forward 1	7.0 km/h	4.4 mph
Forward 2	12.5 km/h	7.8 mph
Forward 3	21.4 km/h	13.3 mph
Forward 4	36.9 km/h	22.9 mph
Reverse 1	8.0 km/h	5.0 mph
Reverse 2	14.3 km/h	8.9 mph
Reverse 3	24.5 km/h	15.2 mph
Reverse 4	42.2 km/h	26.2 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
Implement System – Maximum Operating Pressure	31 000 kPa 4,496 psi
Implement System – Optional 3rd Function Maximum Flow	300 L/min 79.3 gal/min
Implement System – Optional 3rd Function Maximum Pressure	20 700 kPa 3,000 psi
Hydraulic Cycle Time – Raise from Carry Position	5.9 Seconds
Hydraulic Cycle Time – Dump, at Maximum Raise	2.0 Seconds
Hydraulic Cycle Time – Lower, Empty, Float Down	2.4 Seconds
Hydraulic Cycle Time – Total	10.3 Seconds

- Cycle time with rated payload.

Brakes

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

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
 - 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
 - 26.5R25 VSDL BS L5 Radial
 - 26.5R25 XLDD2 MX L5 Radial
 - 26.5R25 X MINE D2 MX L5 Radial
 - Cat Flexport™
- 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.

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.
- The dynamic operator sound pressure level for a standard machine configuration, measured according to the procedures specified in "ISO 6396:2008", is 69 dB(A) with a cooling fan speed set at 70 percent of the maximum value.
- The sound power level that is labeled on the machine is 108 LWA. The measurement of the sound power level was made according to the test procedures and conditions that are specified in the European Union Directive "2000/14/EC" as amended by "2005/88/EC".

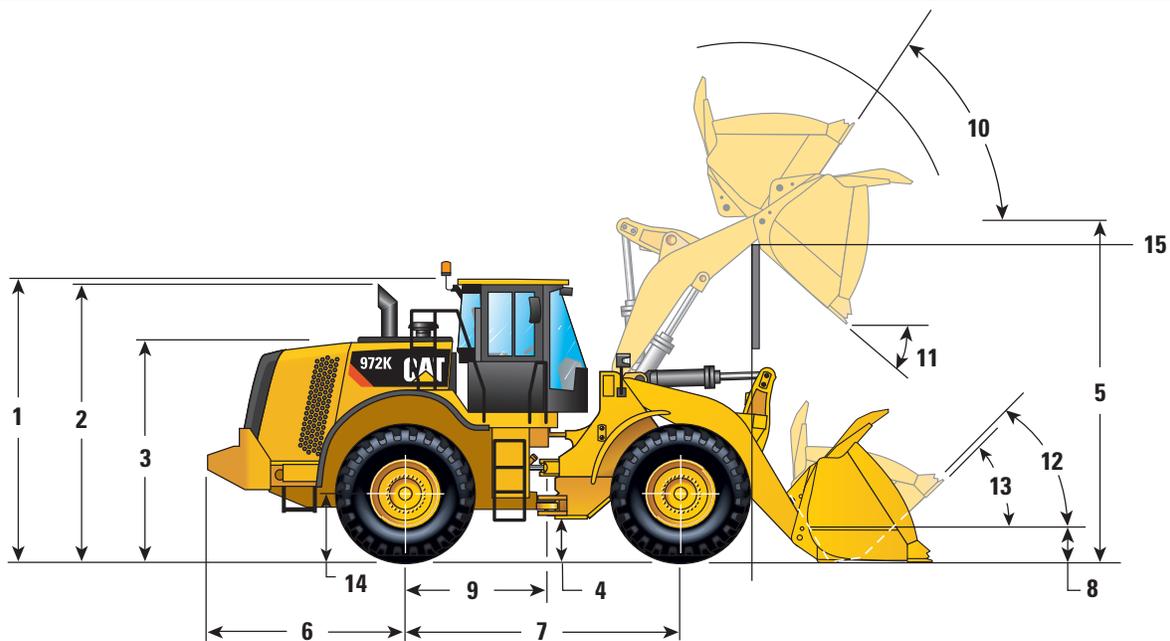
Service Refill Capacities

Fuel Tank – Standard	381 L	101 gal
Cooling System	66 L	17.4 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

972K 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	4456 mm	14'7"
	B-Pin Height – High Lift	4792 mm	15'8"
6	Center Line of Rear Axle to Edge of Counterweight	2473 mm	8'1"
7	Wheelbase	3450 mm	11'3"
8	B-Pin Height @ Carry – Standard	689 mm	2'3"
9	Center Line of Rear Axle to Hitch	1725 mm	5'7"
10	Rack Back @ Maximum Lift	56 degrees	
11	Dump Angle @ Maximum Lift	48 degrees	
12	Rack Back @ Carry	50 degrees	
13	Rack Back @ Ground	41 degrees	
14	Height to Center Line of Axle	798 mm	2'7"
15	Lift Arm Clearance	3804 mm	12'6"
	Lift Arm Clearance @ High Lift	4153 mm	13'6"

Operating Specifications

Bucket Type		Material Handling – Pin On					
		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m ³	4.60	4.60	4.80	4.80	5.00	5.00
	yd ³	6.02	6.02	6.28	6.28	6.54	6.54
Capacity – Struck (§)	m ³	3.90	3.90	4.01	4.01	4.20	4.20
	yd ³	5.10	5.10	5.24	5.24	5.49	5.49
Width (§)	mm	3220	3271	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"	10'6"	10'8"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	3120	2957	3099	2936	3070	2908
	ft/in	10'2"	9'8"	10'2"	9'7"	10'0"	9'6"
Reach at Maximum Lift and 45° Discharge (§)	mm	1286	1413	1307	1434	1335	1462
	ft/in	4'2"	4'7"	4'3"	4'8"	4'4"	4'9"
Reach at Level Lift Arm and Bucket Level (§)	mm	3014	3219	3044	3249	3084	3289
	ft/in	9'10"	10'6"	9'11"	10'7"	10'1"	10'9"
Digging Depth (§)	mm	103	103	103	103	103	103
	in	4"	4"	4"	4"	4"	4"
Overall Length	mm	9188	9412	9218	9442	9258	9482
	ft/in	30'2"	30'11"	30'3"	31'0"	30'5"	31'2"
Overall Height with Bucket at Maximum Lift	mm	6162	6162	6193	6193	6223	6223
	ft/in	20'3"	20'3"	20'4"	20'4"	20'5"	20'5"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	14 957	15 137	14 974	15 154	14 996	15 177
	ft/in	49'1"	49'8"	49'2"	49'9"	49'3"	49'10"
Static Tipping Load, Straight (ISO)*	kg	18 614	18 432	18 562	18 380	18 488	18 304
	lb	41,026	40,625	40,912	40,509	40,748	40,343
Static Tipping Load, Straight (Rigid Tire)*	kg	19 921	19 734	19 874	19 688	19 807	19 619
	lb	43,906	43,495	43,803	43,392	43,655	43,241
Static Tipping Load, Articulated (ISO)*	kg	16 255	16 070	16 203	16 019	16 130	15 945
	lb	35,826	35,419	35,713	35,306	35,552	35,143
Static Tipping Load, Articulated (Rigid Tire)*	kg	17 554	17 368	17 509	17 322	17 443	17 255
	lb	38,690	38,280	38,590	38,179	38,445	38,031
Breakout Force** (§)	kN	201	199	196	195	191	189
	lb	45,188	44,877	44,216	43,907	42,968	42,659
Operating Weight*	kg	26 257	26 395	26 292	26 430	26 342	26 479
	lb	57,870	58,174	57,946	58,250	58,056	58,360

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, open differential axles (front/rear), power train guard, secondary steering, and sound suppression.

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

*** Rock bucket specifications are given on Michelin 26.5R25 XLDD2 L5 Radial tires.

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

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

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

972K Wheel Loader Specifications

Operating Specifications

Bucket Type		Material Handling – Pin On		Material Handling – Fusion QC			
		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m ³	5.20	5.20	4.60	4.60	4.80	4.80
	yd ³	6.80	6.80	6.02	6.02	6.28	6.28
Capacity – Struck (§)	m ³	4.34	4.34	3.90	3.90	4.01	4.01
	yd ³	5.68	5.68	5.10	5.10	5.24	5.24
Width (§)	mm	3220	3271	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"	10'6"	10'8"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	3049	2886	3069	2907	3048	2885
	ft/in	10'0"	9'5"	10'0"	9'6"	10'0"	9'5"
Reach at Maximum Lift and 45° Discharge (§)	mm	1356	1483	1336	1463	1357	1484
	ft/in	4'5"	4'10"	4'4"	4'9"	4'5"	4'10"
Reach at Level Lift Arm and Bucket Level (§)	mm	3114	3319	3085	3290	3115	3320
	ft/in	10'2"	10'10"	10'1"	10'9"	10'2"	10'10"
Digging Depth (§)	mm	103	103	103	103	103	103
	in	4"	4"	4"	4"	4"	4"
Overall Length	mm	9288	9512	9259	9483	9289	9513
	ft/in	30'6"	31'3"	30'5"	31'2"	30'6"	31'3"
Overall Height with Bucket at Maximum Lift	mm	6265	6265	6199	6199	6231	6231
	ft/in	20'7"	20'7"	20'5"	20'5"	20'6"	20'6"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	15 013	15 194	14 991	15 175	15 008	15 192
	ft/in	49'4"	49'11"	49'3"	49'10"	49'3"	49'11"
Static Tipping Load, Straight (ISO)*	kg	18 435	18 251	17 946	17 764	17 893	17 711
	lb	40,631	40,225	39,553	39,153	39,437	39,036
Static Tipping Load, Straight (Rigid Tire)*	kg	19 759	19 571	19 231	19 046	19 183	18 997
	lb	43,550	43,135	42,385	41,977	42,280	41,871
Static Tipping Load, Articulated (ISO)*	kg	16 078	15 892	15 617	15 433	15 565	15 381
	lb	35,438	35,026	34,420	34,016	34,306	33,900
Static Tipping Load, Articulated (Rigid Tire)*	kg	17 396	17 208	16 900	16 715	16 853	16 667
	lb	38,342	37,927	37,247	36,840	37,145	36,735
Breakout Force** (§)	kN	187	185	191	190	187	186
	lb	42,074	41,765	43,096	42,788	42,204	41,895
Operating Weight*	kg	26 376	26 514	26 725	26 862	26 759	26 897
	lb	58,133	58,437	58,900	59,204	58,977	59,280

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, open differential axles (front/rear), power train guard, secondary steering, and sound suppression.

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

*** Rock bucket specifications are given on Michelin 26.5R25 XLDD2 L5 Radial tires.

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

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

Operating Specifications

Bucket Type		Material Handling – Fusion QC				Heavy Duty Material Handling – Pin On	
		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m ³	5.00	5.00	5.20	5.20	4.60	4.60
	yd ³	6.54	6.54	6.80	6.80	6.02	6.02
Capacity – Struck (§)	m ³	4.20	4.20	4.34	4.34	3.90	3.90
	yd ³	5.49	5.49	5.68	5.68	5.10	5.10
Width (§)	mm	3220	3271	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"	10'6"	10'8"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	3020	2857	2999	2836	3120	2957
	ft/in	9'10"	9'4"	9'10"	9'3"	10'2"	9'8"
Reach at Maximum Lift and 45° Discharge (§)	mm	1386	1513	1407	1534	1286	1413
	ft/in	4'6"	4'11"	4'7"	5'0"	4'2"	4'7"
Reach at Level Lift Arm and Bucket Level (§)	mm	3155	3360	3185	3390	3014	3219
	ft/in	10'4"	11'0"	10'5"	11'1"	9'10"	10'6"
Digging Depth (§)	mm	103	103	103	103	103	103
	in	4"	4"	4"	4"	4"	4"
Overall Length	mm	9329	9553	9359	9583	9188	9412
	ft/in	30'8"	31'5"	30'9"	31'6"	30'2"	30'11"
Overall Height with Bucket at Maximum Lift	mm	6260	6260	6302	6302	6162	6162
	ft/in	20'7"	20'7"	20'9"	20'9"	20'3"	20'3"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	15 031	15 215	15 048	15 233	14 957	15 137
	ft/in	49'4"	49'11"	49'5"	50'0"	49'1"	49'8"
Static Tipping Load, Straight (ISO)*	kg	17 785	17 602	17 764	17 580	18 471	18 290
	lb	39,199	38,796	39,152	38,747	40,712	40,311
Static Tipping Load, Straight (Rigid Tire)*	kg	19 082	18 895	19 065	18 878	19 776	19 590
	lb	42,057	41,645	42,020	41,607	43,586	43,177
Static Tipping Load, Articulated (ISO)*	kg	15 458	15 273	15 438	15 252	16 110	15 926
	lb	34,070	33,662	34,026	33,616	35,507	35,102
Static Tipping Load, Articulated (Rigid Tire)*	kg	16 753	16 567	16 738	16 550	17 409	17 223
	lb	36,925	36,513	36,891	36,477	38,370	37,961
Breakout Force** (§)	kN	181	180	179	177	200	199
	lb	40,841	40,532	40,232	39,923	45,055	44,746
Operating Weight*	kg	26 810	26 948	26 848	26 986	26 398	26 536
	lb	59,089	59,393	59,173	59,477	58,182	58,486

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, open differential axles (front/rear), power train guard, secondary steering, and sound suppression.

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

*** Rock bucket specifications are given on Michelin 26.5R25 XLDD2 L5 Radial tires.

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

972K Wheel Loader Specifications

Operating Specifications

Bucket Type		Heavy Duty Material Handling – Pin On					
		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m ³	4.80	4.80	5.00	5.00	5.20	5.20
	yd ³	6.28	6.28	6.54	6.54	6.80	6.80
Capacity – Struck (§)	m ³	4.01	4.01	4.20	4.20	4.34	4.34
	yd ³	5.24	5.24	5.49	5.49	5.68	5.68
Width (§)	mm	3220	3271	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"	10'6"	10'8"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	3099	2936	3070	2908	3049	2886
	ft/in	10'2"	9'7"	10'0"	9'6"	10'0"	9'5"
Reach at Maximum Lift and 45° Discharge (§)	mm	1307	1434	1335	1462	1356	1483
	ft/in	4'3"	4'8"	4'4"	4'9"	4'5"	4'10"
Reach at Level Lift Arm and Bucket Level (§)	mm	3044	3249	3084	3289	3114	3319
	ft/in	9'11"	10'7"	10'1"	10'9"	10'2"	10'10"
Digging Depth (§)	mm	103	103	103	103	103	103
	in	4"	4"	4"	4"	4"	4"
Overall Length	mm	9218	9442	9258	9482	9288	9512
	ft/in	30'3"	31'0"	30'5"	31'2"	30'6"	31'3"
Overall Height with Bucket at Maximum Lift	mm	6193	6193	6234	6234	6265	6265
	ft/in	20'4"	20'4"	20'6"	20'6"	20'7"	20'7"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	14 974	15 154	14 996	15 177	15 013	15 194
	ft/in	49'2"	49'9"	49'3"	49'10"	49'4"	49'11"
Static Tipping Load, Straight (ISO)*	kg	18 414	18 232	18 333	18 150	18 276	18 092
	lb	40,585	40,183	40,408	40,003	40,281	39,875
Static Tipping Load, Straight (Rigid Tire)*	kg	19 723	19 537	19 650	19 462	19 597	19 409
	lb	43,471	43,060	43,308	42,895	43,193	42,778
Static Tipping Load, Articulated (ISO)*	kg	16 054	15 869	15 974	15 788	15 918	15 731
	lb	35,383	34,976	35,208	34,798	35,083	34,672
Static Tipping Load, Articulated (Rigid Tire)*	kg	17 358	17 172	17 286	17 098	17 235	17 046
	lb	38,258	37,847	38,098	37,685	37,986	37,571
Breakout Force** (§)	kN	196	194	190	189	186	185
	lb	44,077	43,768	42,824	42,515	41,926	41,617
Operating Weight*	kg	26 436	26 574	26 491	26 629	26 530	26 668
	lb	58,265	58,568	58,387	58,690	58,472	58,776

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, open differential axles (front/rear), power train guard, secondary steering, and sound suppression.

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

*** Rock bucket specifications are given on Michelin 26.5R25 XLDD2 L5 Radial tires.

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

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

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

Operating Specifications

Bucket Type		Material Handling with Backgrading Edge – Pin On			General Purpose – Pin On	
		Teeth	Teeth	Teeth	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m ³	4.60	4.80	4.97	4.20	4.20
	yd ³	6.02	6.28	6.50	5.49	5.49
Capacity – Struck (§)	m ³	3.83	4.02	4.17	3.70	3.70
	yd ³	5.01	5.26	5.45	4.84	4.84
Width (§)	mm	3294	3294	3294	3220	3271
	ft/in	10'9"	10'9"	10'9"	10'6"	10'8"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	2961	2933	2911	3225	3071
	ft/in	9'8"	9'7"	9'6"	10'6"	10'0"
Reach at Maximum Lift and 45° Discharge (§)	mm	1483	1511	1532	1332	1470
	ft/in	4'10"	4'11"	5'0"	4'4"	4'9"
Reach at Level Lift Arm and Bucket Level (§)	mm	3266	3306	3336	2955	3160
	ft/in	10'8"	10'10"	10'11"	9'8"	10'4"
Digging Depth (§)	mm	78	78	78	103	103
	in	3"	3"	3"	4"	4"
Overall Length	mm	9419	9459	9489	9129	9353
	ft/in	30'11"	31'1"	31'2"	30'0"	30'9"
Overall Height with Bucket at Maximum Lift	mm	6193	6234	6265	5937	5937
	ft/in	20'4"	20'6"	20'7"	19'6"	19'6"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	15 145	15 168	15 185	14 925	15 104
	ft/in	49'9"	49'10"	49'10"	49'0"	49'7"
Static Tipping Load, Straight (ISO)*	kg	18 203	18 105	18 040	18 770	18 589
	lb	40,119	39,904	39,761	41,371	40,971
Static Tipping Load, Straight (Rigid Tire)*	kg	19 514	19 423	19 363	20 088	19 903
	lb	43,010	42,809	42,677	44,274	43,866
Static Tipping Load, Articulated (ISO)*	kg	15 821	15 724	15 661	16 396	16 213
	lb	34,870	34,657	34,517	36,138	35,734
Static Tipping Load, Articulated (Rigid Tire)*	kg	17 131	17 041	16 983	17 706	17 521
	lb	37,757	37,559	37,430	39,024	38,616
Breakout Force** (§)	kN	206	200	195	210	208
	lb	46,355	44,948	43,951	47,189	46,880
Operating Weight*	kg	26 753	26 821	26 865	26 223	26 361
	lb	58,962	59,112	59,209	57,795	58,099

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, open differential axles (front/rear), power train guard, secondary steering, and sound suppression.

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

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

972K Wheel Loader Specifications

Operating Specifications

Bucket Type		General Purpose – Pin On					
		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m ³	4.40	4.40	4.60	4.60	4.80	4.80
	yd ³	5.75	5.75	6.02	6.02	6.28	6.28
Capacity – Struck (§)	m ³	3.80	3.80	4.00	4.00	4.10	4.10
	yd ³	4.97	4.97	5.23	5.23	5.36	5.36
Width (§)	mm	3220	3271	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"	10'6"	10'8"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	3229	3076	3187	3033	3154	2999
	ft/in	10'7"	10'1"	10'5"	9'11"	10'4"	9'10"
Reach at Maximum Lift and 45° Discharge (§)	mm	1327	1465	1363	1500	1392	1528
	ft/in	4'4"	4'9"	4'5"	4'11"	4'6"	5'0"
Reach at Level Lift Arm and Bucket Level (§)	mm	2948	3153	3004	3209	3049	3254
	ft/in	9'8"	10'4"	9'10"	10'6"	10'0"	10'8"
Digging Depth (§)	mm	103	103	103	103	103	103
	in	4"	4"	4"	4"	4"	4"
Overall Length	mm	9122	9346	9178	9402	9223	9447
	ft/in	30'0"	30'8"	30'2"	30'11"	30'4"	31'0"
Overall Height with Bucket at Maximum Lift	mm	6230	6230	6195	6195	6031	6031
	ft/in	20'6"	20'6"	20'4"	20'4"	19'10"	19'10"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	14 921	15 100	14 951	15 132	14 976	15 157
	ft/in	49'0"	49'7"	49'1"	49'8"	49'2"	49'9"
Static Tipping Load, Straight (ISO)*	kg	18 817	18 636	18 658	18 476	18 683	18 500
	lb	41,474	41,074	41,124	40,722	41,179	40,775
Static Tipping Load, Straight (Rigid Tire)*	kg	20 147	19 962	19 985	19 799	20 017	19 830
	lb	44,405	43,996	44,048	43,638	44,118	43,705
Static Tipping Load, Articulated (ISO)*	kg	16 437	16 253	16 289	16 104	16 317	16 132
	lb	36,227	35,822	35,901	35,494	35,963	35,554
Static Tipping Load, Articulated (Rigid Tire)*	kg	17 758	17 573	17 608	17 422	17 642	17 455
	lb	39,140	38,731	38,808	38,398	38,884	38,471
Breakout Force** (§)	kN	211	209	202	201	196	194
	lb	47,419	47,109	45,482	45,173	44,075	43,766
Operating Weight*	kg	26 229	26 367	26 284	26 422	26 212	26 350
	lb	57,807	58,111	57,929	58,233	57,770	58,074

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, open differential axles (front/rear), power train guard, secondary steering, and sound suppression.

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

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

Operating Specifications

Bucket Type		General Purpose – Pin On		General Purpose – Fusion QC			
		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m ³	5.00	5.00	4.20	4.20	4.40	4.40
	yd ³	6.54	6.54	5.49	5.49	5.75	5.75
Capacity – Struck (§)	m ³	4.30	4.30	3.70	3.70	3.80	3.80
	yd ³	5.62	5.62	4.84	4.84	4.97	4.97
Width (§)	mm	3220	3271	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"	10'6"	10'8"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	3137	2982	3195	3041	3200	3047
	ft/in	10'3"	9'9"	10'5"	9'11"	10'6"	9'11"
Reach at Maximum Lift and 45° Discharge (§)	mm	1407	1543	1367	1504	1362	1500
	ft/in	4'7"	5'0"	4'5"	4'11"	4'5"	4'11"
Reach at Level Lift Arm and Bucket Level (§)	mm	3072	3277	3000	3205	2993	3198
	ft/in	10'0"	10'9"	9'10"	10'6"	9'9"	10'5"
Digging Depth (§)	mm	103	103	103	103	103	103
	in	4"	4"	4"	4"	4"	4"
Overall Length	mm	9246	9470	9175	9398	9167	9391
	ft/in	30'4"	31'1"	30'2"	30'10"	30'1"	30'10"
Overall Height with Bucket at Maximum Lift	mm	6284	6284	6036	6036	6205	6205
	ft/in	20'8"	20'8"	19'10"	19'10"	20'5"	20'5"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	14 989	15 170	14 944	15 126	14 940	15 122
	ft/in	49'3"	49'10"	49'1"	49'8"	49'1"	49'8"
Static Tipping Load, Straight (ISO)*	kg	18 779	18 595	18 260	18 079	18 263	18 082
	lb	41,390	40,984	40,246	39,848	40,252	39,853
Static Tipping Load, Straight (Rigid Tire)*	kg	20 115	19 927	19 563	19 379	19 578	19 393
	lb	44,334	43,919	43,118	42,711	43,150	42,742
Static Tipping Load, Articulated (ISO)*	kg	16 414	16 228	15 906	15 723	15 902	15 719
	lb	36,177	35,767	35,057	34,653	35,049	34,645
Static Tipping Load, Articulated (Rigid Tire)*	kg	17 739	17 551	17 205	17 020	17 213	17 028
	lb	39,097	38,683	37,920	37,513	37,937	37,530
Breakout Force** (§)	kN	198	197	203	201	203	202
	lb	44,634	44,325	45,615	45,306	45,788	45,479
Operating Weight*	kg	26 325	26 463	26 600	26 738	26 642	26 780
	lb	58,019	58,323	58,625	58,929	58,718	59,022

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, open differential axles (front/rear), power train guard, secondary steering, and sound suppression.

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

*** Rock bucket specifications are given on Michelin 26.5R25 XLDD2 L5 Radial tires.

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

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

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

972K Wheel Loader Specifications

Operating Specifications

Bucket Type		General Purpose – Fusion QC					
		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m ³	4.60	4.60	4.80	4.80	5.00	5.00
	yd ³	6.02	6.02	6.28	6.28	6.54	6.54
Capacity – Struck (§)	m ³	4.00	4.00	4.10	4.10	4.30	4.30
	yd ³	5.23	5.23	5.36	5.36	5.62	5.62
Width (§)	mm	3220	3271	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"	10'6"	10'8"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	3157	3003	3130	2975	3106	2951
	ft/in	10'4"	9'10"	10'3"	9'9"	10'2"	9'8"
Reach at Maximum Lift and 45° Discharge (§)	mm	1397	1535	1419	1555	1440	1576
	ft/in	4'7"	5'0"	4'7"	5'1"	4'8"	5'2"
Reach at Level Lift Arm and Bucket Level (§)	mm	3050	3255	3085	3290	3117	3322
	ft/in	10'0"	10'8"	10'1"	10'9"	10'2"	10'10"
Digging Depth (§)	mm	103	103	103	103	103	103
	in	4"	4"	4"	4"	4"	4"
Overall Length	mm	9224	9448	9259	9483	9291	9515
	ft/in	30'4"	30'12"	30'5"	31'2"	30'6"	31'3"
Overall Height with Bucket at Maximum Lift	mm	6211	6211	6270	6270	6296	6296
	ft/in	20'5"	20'5"	20'7"	20'7"	20'8"	20'8"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	14 971	15 154	14 991	15 174	15 009	15 193
	ft/in	49'2"	49'9"	49'3"	49'10"	49'3"	49'11"
Static Tipping Load, Straight (ISO)*	kg	18 113	17 931	18 105	17 922	17 986	17 802
	lb	39,921	39,520	39,903	39,500	39,642	39,237
Static Tipping Load, Straight (Rigid Tire)*	kg	19 425	19 239	19 423	19 236	19 306	19 119
	lb	42,812	42,403	42,808	42,396	42,552	42,138
Static Tipping Load, Articulated (ISO)*	kg	15 761	15 577	15 754	15 569	15 636	15 450
	lb	34,738	34,332	34,722	34,314	34,462	34,052
Static Tipping Load, Articulated (Rigid Tire)*	kg	17 070	16 884	17 068	16 881	16 953	16 766
	lb	37,622	37,212	37,619	37,207	37,366	36,952
Breakout Force** (§)	kN	195	194	190	189	186	185
	lb	43,941	43,632	42,897	42,588	41,881	41,572
Operating Weight*	kg	26 700	26 838	26 695	26 833	26 786	26 924
	lb	58,847	59,151	58,836	59,140	59,036	59,340

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, open differential axles (front/rear), power train guard, secondary steering, and sound suppression.

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

*** Rock bucket specifications are given on Michelin 26.5R25 XLDD2 L5 Radial tires.

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

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

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

Operating Specifications

Bucket Type		Rock – Pin On ***				Rock – Fusion QC ***	
		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m ³	3.60	3.60	4.00	4.00	3.60	3.60
	yd ³	4.71	4.71	5.23	5.23	4.71	4.71
Capacity – Struck (§)	m ³	3.10	3.10	3.50	3.50	3.10	3.10
	yd ³	4.05	4.05	4.58	4.58	4.05	4.05
Width (§)	mm	3252	3252	3252	3252	3252	3252
	ft/in	10'8"	10'8"	10'8"	10'8"	10'8"	10'8"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	3336	3248	3233	3142	3310	3222
	ft/in	10'11"	10'7"	10'7"	10'3"	10'10"	10'6"
Reach at Maximum Lift and 45° Discharge (§)	mm	1420	1528	1463	1571	1455	1563
	ft/in	4'7"	5'0"	4'9"	5'1"	4'9"	5'1"
Reach at Level Lift Arm and Bucket Level (§)	mm	2964	3104	3073	3214	3008	3147
	ft/in	9'8"	10'2"	10'1"	10'6"	9'10"	10'3"
Digging Depth (§)	mm	44	44	44	44	44	44
	in	1.7"	1.7"	1.7"	1.7"	1.7"	1.7"
Overall Length	mm	9127	9272	9236	9380	9171	9315
	ft/in	30'0"	30'6"	30'4"	30'10"	30'2"	30'7"
Overall Height with Bucket at Maximum Lift	mm	6042	6042	6159	6159	6060	6060
	ft/in	19'10"	19'10"	20'3"	20'3"	19'11"	19'11"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	14 978	15 061	15 039	15 123	14 996	15 081
	ft/in	49'2"	49'5"	49'5"	49'8"	49'3"	49'6"
Static Tipping Load, Straight (ISO)*	kg	19 302	19 235	19 183	19 114	18 779	18 710
	lb	42,543	42,394	42,281	42,128	41,390	41,238
Static Tipping Load, Straight (Rigid Tire)*	kg	20 641	20 572	20 544	20 474	20 105	20 035
	lb	45,494	45,342	45,281	45,125	44,312	44,157
Static Tipping Load, Articulated (ISO)*	kg	16 872	16 804	16 744	16 674	16 368	16 299
	lb	37,187	37,036	36,905	36,750	36,076	35,923
Static Tipping Load, Articulated (Rigid Tire)*	kg	18 203	18 134	18 098	18 027	17 690	17 620
	lb	40,120	39,968	39,889	39,733	38,990	38,835
Breakout Force** (§)	kN	222	222	204	204	215	214
	lb	50,090	49,982	45,999	45,886	48,357	48,247
Operating Weight*	kg	26 934	26 985	27 081	27 132	27 326	27 378
	lb	59,361	59,473	59,685	59,797	60,225	60,339

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, open differential axles (front/rear), power train guard, secondary steering, and sound suppression.

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

*** Rock bucket specifications are given on Michelin 26.5R25 XLDD2 L5 Radial tires.

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

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

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

972K Wheel Loader Specifications

Operating Specifications

Bucket Type		Light Material – Pin On	Light Material – Fusion QC	High Lift Change in Specs
		Bolt-On Edges	Bolt-On Edges	
Capacity – Rated (§)	m ³	7.10	7.10	
	yd ³	9.29	9.29	
Capacity – Struck (§)	m ³	6.20	6.20	
	yd ³	8.11	8.11	
Width (§)	mm	3447	3447	
	ft/in	11'3"	11'3"	
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	2842	2819	335
	ft/in	9'3"	9'2"	1'1"
Reach at Maximum Lift and 45° Discharge (§)	mm	1544	1584	23
	ft/in	5'0"	5'2"	0'1"
Reach at Level Lift Arm and Bucket Level (§)	mm	3393	3438	273
	ft/in	11'1"	11'3"	0'10"
Digging Depth (§)	mm	117	105	-4
	in	4.6"	4.1"	-0.1"
Overall Length	mm	9578	9614	336
	ft/in	31'6"	31'7"	1'2"
Overall Height with Bucket at Maximum Lift	mm	6546	6581	336
	ft/in	21'6"	21'8"	1'2"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	15 385	15 401	332
	ft/in	50'6"	50'7"	1'2"
Static Tipping Load, Straight (ISO)*	kg	17 394	16 779	-1558
	lb	38,337	36,983	-3,434
Static Tipping Load, Straight (Rigid Tire)*	kg	18 728	18 106	-1721
	lb	41,277	39,906	-3,794
Static Tipping Load, Articulated (ISO)*	kg	15 072	14 465	-1391
	lb	33,220	31,882	-3,066
Static Tipping Load, Articulated (Rigid Tire)*	kg	16 407	15 797	-1568
	lb	36,161	34,817	-3,457
Breakout Force** (§)	kN	154	149	-5
	lb	34,604	33,479	-1,327
Operating Weight*	kg	26 946	27 506	85
	lb	59,387	60,622	186

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, open differential axles (front/rear), power train guard, secondary steering, and sound suppression.

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

*** Rock bucket specifications are given on Michelin 26.5R25 XLDD2 L5 Radial tires.

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

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

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

Extended Capacity Operating Specifications

Bucket Type		Material Handling – Pin On		Heavy Duty Material Handling – Pin On		General Purpose – Pin On	
		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m ³	4.80	4.80	4.80	4.80	4.60	4.60
	yd ³	6.28	6.28	6.28	6.28	6.02	6.02
Capacity – Struck (§)	m ³	4.11	4.11	4.11	4.11	4.05	4.05
	yd ³	5.38	5.38	5.38	5.38	5.30	5.30
Width (§)	mm	3220	3271	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"	10'6"	10'8"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	2866	2703	2866	2703	2978	2824
	ft/in	9'4"	8'10"	9'4"	8'10"	9'9"	9'3"
Reach at Maximum Lift and 45° Discharge (§)	mm	1365	1492	1365	1492	1400	1537
	ft/in	4'5"	4'10"	4'5"	4'10"	4'7"	5'0"
Reach at Level Lift Arm and Bucket Level (§)	mm	2929	3133	2929	3133	2857	3062
	ft/in	9'7"	10'3"	9'7"	10'3"	9'4"	10'0"
Digging Depth (§)	mm	123	123	123	123	123	123
	in	4.8"	4.8"	4.8"	4.8"	4.8"	4.8"
Overall Length	mm	9068	9293	9068	9293	8996	9221
	ft/in	29'9"	30'6"	29'9"	30'6"	29'7"	30'4"
Overall Height with Bucket at Maximum Lift	mm	6024	6024	6024	6024	5875	5875
	ft/in	19'10"	19'10"	19'10"	19'10"	19'4"	19'4"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	14 825	14 999	14 825	14 999	14 787	14 961
	ft/in	48'8"	49'3"	48'8"	49'3"	48'7"	49'1"
Static Tipping Load, Straight (ISO)*	kg	19 872	19 689	19 718	19 535	20 204	20 021
	lb	43,798	43,394	43,458	43,055	44,531	44,127
Static Tipping Load, Straight (Rigid Tire)*	kg	21 393	21 205	21 236	21 049	21 762	21 574
	lb	47,151	46,737	46,805	46,392	47,964	47,549
Static Tipping Load, Articulated (ISO)*	kg	17 370	17 185	17 214	17 029	17 668	17 482
	lb	38,284	37,875	37,941	37,532	38,940	38,531
Static Tipping Load, Articulated (Rigid Tire)*	kg	18 872	18 685	18 715	18 528	19 203	19 015
	lb	41,595	41,182	41,249	40,836	42,325	41,910
Breakout Force** (§)	kN	205	203	204	202	215	214
	lb	46,105	45,733	45,959	45,587	48,470	48,095
Operating Weight*	kg	26 153	26 291	26 305	26 443	26 062	26 200
	lb	57,641	57,945	57,976	58,280	57,440	57,744

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, open differential axles (front/rear), power train guard, secondary steering, and sound suppression.

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

*** Rock bucket specifications are given on Michelin 26.5R25 XLDD2 L5 Radial tires.

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

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

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

972K Wheel Loader Specifications

Extended Capacity Operating Specifications

Bucket Type		Rock – Pin On ***	
		Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m ³	3.40	3.40
	yd ³	4.45	4.45
Capacity – Struck (§)	m ³	2.90	2.90
	yd ³	3.79	3.79
Width (§)	mm	3252	3252
	ft/in	10'8"	10'8"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	3124	3026
	ft/in	10'2"	9'11"
Reach at Maximum Lift and 45° Discharge (§)	mm	1454	1576
	ft/in	4'9"	5'2"
Reach at Level Lift Arm and Bucket Level (§)	mm	2818	2974
	ft/in	9'2"	9'9"
Digging Depth (§)	mm	68	68
	in	2.7"	2.7"
Overall Length	mm	8943	9104
	ft/in	29'5"	29'11"
Overall Height with Bucket at Maximum Lift	mm	5845	5845
	ft/in	19'3"	19'3"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	14 813	14 901
	ft/in	48'8"	48'11"
Static Tipping Load, Straight (ISO)*	kg	20 621	20 552
	lb	45,450	45,298
Static Tipping Load, Straight (Rigid Tire)*	kg	22 156	22 085
	lb	48,831	48,676
Static Tipping Load, Articulated (ISO)*	kg	18 043	17 973
	lb	39,767	39,613
Static Tipping Load, Articulated (Rigid Tire)*	kg	19 558	19 487
	lb	43,107	42,951
Breakout Force** (§)	kN	235	234
	lb	52,887	52,762
Operating Weight*	kg	26 845	26 897
	lb	59,165	59,280

* Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, open differential axles (front/rear), power train guard, secondary steering, and sound suppression.

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

*** Rock bucket specifications are given on Michelin 26.5R25 XLDD2 L5 Radial tires.

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

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

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

Bucket Selection Chart

Material Density		kg/m ³	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500		
Standard Linkage	Pin On	General Purpose	4.20 m ³ (5.49 yd ³)											4.83 m ³ (6.32 yd ³)							4.20 m ³ (5.49 yd ³)		
			4.40 m ³ (5.75 yd ³)												5.06 m ³ (6.62 yd ³)							4.40 m ³ (5.75 yd ³)	
			4.60 m ³ (6.02 yd ³)													5.29 m ³ (6.92 yd ³)							4.60 m ³ (6.02 yd ³)
			4.80 m ³ (6.28 yd ³)													5.52 m ³ (7.22 yd ³)							4.80 m ³ (6.28 yd ³)
			5.00 m ³ (6.54 yd ³)													5.75 m ³ (7.52 yd ³)							5.00 m ³ (6.54 yd ³)
	Material Handling	4.60 m ³ (6.02 yd ³)													5.29 m ³ (6.92 yd ³)							4.60 m ³ (6.02 yd ³)	
		4.80 m ³ (6.28 yd ³)													5.52 m ³ (7.22 yd ³)							4.80 m ³ (6.28 yd ³)	
		5.00 m ³ (6.54 yd ³)													5.75 m ³ (7.52 yd ³)							5.00 m ³ (6.54 yd ³)	
		5.20 m ³ (6.80 yd ³)													5.98 m ³ (7.82 yd ³)							5.20 m ³ (6.80 yd ³)	
		4.60 m ³ (6.02 yd ³)													5.29 m ³ (6.92 yd ³)							4.60 m ³ (6.02 yd ³)	
	Heavy Duty Material Handling	4.80 m ³ (6.28 yd ³)													5.52 m ³ (7.22 yd ³)							4.80 m ³ (6.28 yd ³)	
		5.00 m ³ (6.54 yd ³)													5.75 m ³ (7.52 yd ³)							5.00 m ³ (6.54 yd ³)	
		5.20 m ³ (6.80 yd ³)													5.98 m ³ (7.82 yd ³)							5.20 m ³ (6.80 yd ³)	
		4.60 m ³ (6.02 yd ³)													5.29 m ³ (6.92 yd ³)							4.60 m ³ (6.02 yd ³)	
		4.80 m ³ (6.28 yd ³)													5.52 m ³ (7.22 yd ³)							4.80 m ³ (6.28 yd ³)	
	Light Material	7.10 m ³ (9.29 yd ³)													8.17 m ³ (10.69 yd ³)							7.10 m ³ (9.29 yd ³)	
		3.60 m ³ (4.71 yd ³)													4.14 m ³ (5.42 yd ³)							3.60 m ³ (4.71 yd ³)	
	Rock	4.00 m ³ (5.23 yd ³)													4.60 m ³ (6.02 yd ³)							4.00 m ³ (5.23 yd ³)	
		4.20 m ³ (5.49 yd ³)													4.83 m ³ (6.32 yd ³)							4.20 m ³ (5.49 yd ³)	
	General Purpose	4.40 m ³ (5.75 yd ³)													5.06 m ³ (6.62 yd ³)							4.40 m ³ (5.75 yd ³)	
4.60 m ³ (6.02 yd ³)														5.29 m ³ (6.92 yd ³)							4.60 m ³ (6.02 yd ³)		
Material Handling	4.80 m ³ (6.28 yd ³)													5.52 m ³ (7.22 yd ³)							4.80 m ³ (6.28 yd ³)		
	5.00 m ³ (6.54 yd ³)													5.75 m ³ (7.52 yd ³)							5.00 m ³ (6.54 yd ³)		
Light Material	7.10 m ³ (9.29 yd ³)													8.17 m ³ (10.69 yd ³)							7.10 m ³ (9.29 yd ³)		
	3.60 m ³ (4.71 yd ³)													4.14 m ³ (5.42 yd ³)							3.60 m ³ (4.71 yd ³)		
Rock	4.00 m ³ (5.23 yd ³)													4.60 m ³ (6.02 yd ³)							4.00 m ³ (5.23 yd ³)		
	4.20 m ³ (5.49 yd ³)													4.83 m ³ (6.32 yd ³)							4.20 m ³ (5.49 yd ³)		
Material Density		lb/yd ³	1,180	1,348	1,517	1,685	1,854	2,022	2,191	2,359	2,528	2,696	2,865	3,033	3,202	3,370	3,539	3,707	3,876	4,044	4,213		
Bucket Density		115% 110% 105% 100% 95%																					

All buckets are showing Bolt-On Edges.
Material Handling buckets are flat floor buckets.

972K Wheel Loader Specifications

Bucket Selection Chart

Material Density		kg/m ³	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500				
High Lift Linkage	Pin On	General Purpose	4.20 m ³ (5.49 yd ³)											4.83 m ³ (6.32 yd ³)								4.20 m ³ (5.49 yd ³)			
			4.40 m ³ (5.75 yd ³)												5.06 m ³ (6.62 yd ³)								4.40 m ³ (5.75 yd ³)		
			4.60 m ³ (6.02 yd ³)													5.29 m ³ (6.92 yd ³)								4.60 m ³ (6.02 yd ³)	
			4.80 m ³ (6.28 yd ³)													5.52 m ³ (7.22 yd ³)								4.80 m ³ (6.28 yd ³)	
			5.00 m ³ (6.54 yd ³)													5.75 m ³ (7.52 yd ³)								5.00 m ³ (6.54 yd ³)	
	Pin On	Material Handling	4.60 m ³ (6.02 yd ³)												5.29 m ³ (6.92 yd ³)								4.60 m ³ (6.02 yd ³)		
			4.80 m ³ (6.28 yd ³)												5.52 m ³ (7.22 yd ³)								4.80 m ³ (6.28 yd ³)		
			5.00 m ³ (6.54 yd ³)													5.75 m ³ (7.52 yd ³)								5.00 m ³ (6.54 yd ³)	
			5.20 m ³ (6.80 yd ³)													5.98 m ³ (7.82 yd ³)								5.20 m ³ (6.80 yd ³)	
			4.60 m ³ (6.02 yd ³)													5.29 m ³ (6.92 yd ³)								4.60 m ³ (6.02 yd ³)	
	Pin On	Heavy Duty Material Handling	4.80 m ³ (6.28 yd ³)												5.52 m ³ (7.22 yd ³)								4.80 m ³ (6.28 yd ³)		
			5.00 m ³ (6.54 yd ³)													5.75 m ³ (7.52 yd ³)								5.00 m ³ (6.54 yd ³)	
			5.20 m ³ (6.80 yd ³)													5.98 m ³ (7.82 yd ³)								5.20 m ³ (6.80 yd ³)	
			7.10 m ³ (9.29 yd ³)	8.17 m ³ (10.69 yd ³)												7.10 m ³ (9.29 yd ³)									
			Pin On	Rock	3.60 m ³ (4.71 yd ³)												4.14 m ³ (5.42 yd ³)								3.60 m ³ (4.71 yd ³)
	4.00 m ³ (5.23 yd ³)															4.60 m ³ (6.02 yd ³)								4.00 m ³ (5.23 yd ³)	
	Fusion OC	Pin On	General Purpose	4.20 m ³ (5.49 yd ³)											4.83 m ³ (6.32 yd ³)								4.20 m ³ (5.49 yd ³)		
				4.40 m ³ (5.75 yd ³)												5.06 m ³ (6.62 yd ³)								4.40 m ³ (5.75 yd ³)	
				4.60 m ³ (6.02 yd ³)													5.29 m ³ (6.92 yd ³)								4.60 m ³ (6.02 yd ³)
				4.80 m ³ (6.28 yd ³)													5.52 m ³ (7.22 yd ³)								4.80 m ³ (6.28 yd ³)
5.00 m ³ (6.54 yd ³)																5.75 m ³ (7.52 yd ³)								5.00 m ³ (6.54 yd ³)	
Pin On		Material Handling	4.60 m ³ (6.02 yd ³)												5.29 m ³ (6.92 yd ³)								4.60 m ³ (6.02 yd ³)		
			4.80 m ³ (6.28 yd ³)													5.52 m ³ (7.22 yd ³)								4.80 m ³ (6.28 yd ³)	
			5.00 m ³ (6.54 yd ³)													5.75 m ³ (7.52 yd ³)								5.00 m ³ (6.54 yd ³)	
			5.20 m ³ (6.80 yd ³)													5.98 m ³ (7.82 yd ³)								5.20 m ³ (6.80 yd ³)	
			7.10 m ³ (9.29 yd ³)	8.17 m ³ (10.69 yd ³)												7.10 m ³ (9.29 yd ³)									
Pin On	Rock	3.60 m ³ (4.71 yd ³)												4.14 m ³ (5.42 yd ³)								3.60 m ³ (4.71 yd ³)			
		4.00 m ³ (5.23 yd ³)													4.60 m ³ (6.02 yd ³)								4.00 m ³ (5.23 yd ³)		
Material Density		lb/yd ³	1,180	1,348	1,517	1,685	1,854	2,022	2,191	2,359	2,528	2,696	2,865	3,033	3,202	3,370	3,539	3,707	3,876	4,044	4,213				
Bucket Density		115% 110% 105% 100% 95%																							

All buckets are showing Bolt-On Edges.
Material Handling buckets are flat floor buckets.

Bucket Selection Chart

Material Density		kg/m ³	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
Extended Capacity Linkage Pin On	General Purpose	4.60 m ³ (6.02 yd ³)											5.29 m ³ (7.22 yd ³)			4.60 m ³ (6.02 yd ³)					
	Material Handling	4.80 m ³ (6.28 yd ³)											5.52 m ³ (7.22 yd ³)			4.80 m ³ (6.28 yd ³)					
	Heavy Duty Material Handling	4.80 m ³ (6.28 yd ³)											5.52 m ³ (7.22 yd ³)			4.80 m ³ (6.28 yd ³)					
	Rock	3.40 m ³ (4.45 yd ³)													3.91 m ³ (5.11 yd ³)					3.40 m ³ (4.45 yd ³)	
Material Density		lb/yd ³	1,180	1,348	1,517	1,685	1,854	2,022	2,191	2,359	2,528	2,696	2,865	3,033	3,202	3,370	3,539	3,707	3,876	4,044	4,213
Bucket Density																					

All buckets are showing Bolt-On Edges.
Material Handling buckets are flat floor buckets.

Bucket Fill Factors

(as a % of ISO Rated Capacity)

Loose Material	Performance Series Bucket
Earth/Clay	115
Sand and Gravel	115
Aggregate:	
25-76 mm (1 to 3 in)	110
19 mm (0.75 in) and smaller	105
Rock	100

972K Standard Equipment

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 meets Tier 4 Interim/ Stage IIIB emission standards
Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, on demand
Fuel Management System (FMS)
Fuel priming pump (electric)
Fuel/water separator
Guard, power train
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°C (-29°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 cross-tube/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
Steering, secondary
Toolbox
Vandalism protection caplocks

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

Power Train

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

Hydraulics arrangement, 3 valve

Cold start package (240V)

Comfort package

Work lighting package, halogen

Work lighting package, HID

Industrial package

Steel mill package

Short lift, 2 valve

Short lift, 3 valve

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

Filter, carbon fresh air

Sun visor, rear

Security system, machine

Cooling, high ambient

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

Fan, variable pitch

Antifreeze, –50° C (–58° F)

Retractable, 18-degree inclined ladder

Cab filter, carbon fresh air

Cab filter, RESPA

VIMS, satellite 3G

Speed limiter, 20 km/h

EH steering wheel (availability TBD)

972K Wheel Loader

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