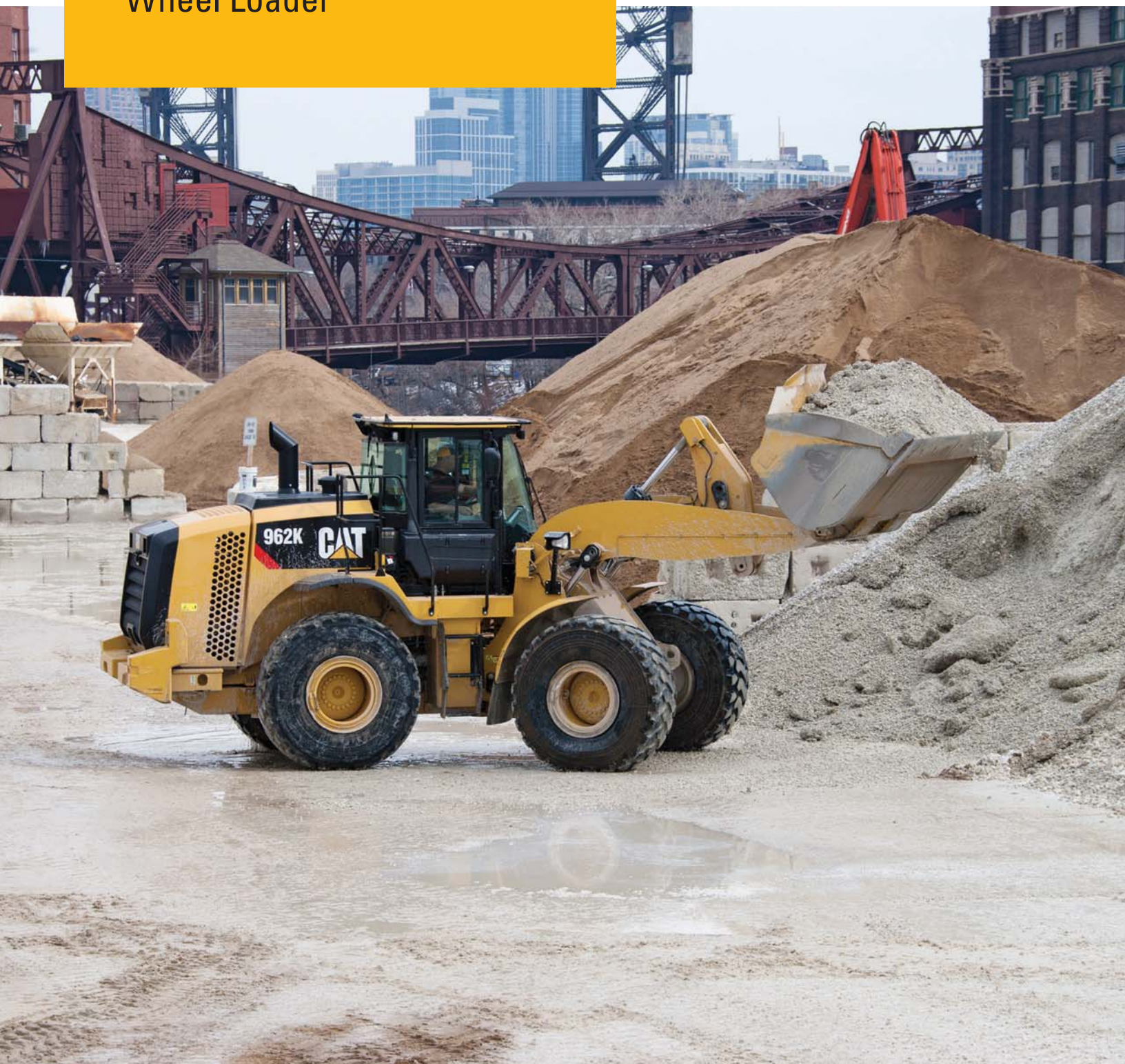


# 962K

## Wheel Loader



### Engine

Engine Model	Cat® C7.1 ACERT™	
Max Engine Power (1,900 rpm) – ISO 14396	180 kW	241 hp
Max Engine Power (1,900 rpm) – ISO 14396 (metric)		245 hp
Max Net Power (1,900 rpm) – SAE J1349	165 kW	221 hp

### Buckets

Bucket Capacities	2.50 to 9.20 m <sup>3</sup>	3.25 to 12.00 yd <sup>3</sup>
<b>Weights</b>		
Operating Weight	20 443 kg	45,055 lb

- For 3.3 m<sup>3</sup> (4.4 yd<sup>3</sup>) general purpose buckets with BOCE.



## 962K Key Features and Benefits

### Optimized Z-bar Linkage

*Development of the new optimized Z-bar linkage was done in conjunction with the Performance Series Buckets, Fusion™ coupler and Fusion family of work tools to ensure that all components function together to enhance visibility, performance and fuel efficiency.*

### 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 automatic climate control, viscous mounts to reduce noise and vibration levels, post mounted membrane switches, and a curved convex giving the operator a panoramic view.*

### Cat® C7.1 ACERT™ Engine

*The innovative Cat C7.1 ACERT™ engine is optimized for maximum fuel efficiency and increased power density while meeting Tier 4 Interim/Stage IIIB emission standards.*

### Torque Converter

*Transfers more power to the ground and optimizes fuel efficiency in all applications.*

### 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 962K 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.*

### Contents

Reliability .....	3
Durability .....	4
Productivity .....	5
Versatility .....	6
Serviceability .....	9
Operator Environment .....	10
Sustainability .....	12
Customer Support .....	12
Owning Costs .....	13
Operating Costs .....	14
Wheel Loader Specifications .....	15
Standard and Optional Equipment .....	33



**The Cat® 962K was designed to improve operator comfort, performance, and productivity, all while meeting Tier 4 Interim/Stage IIIB emission standards. The Performance Series Buckets provide enhanced visibility and decreased cycle times. The unmatched, revolutionary world-class cab creates a comfortable, efficient, safe, and productive operator environment. The innovative Cat C7.1 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 962K 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 components which leverage product designs that have delivered a reliable and durable machine for generations.

## 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, ether aid, and an engine heater plug/cord. The bypass systems reduce the parasitic load on the engine. 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

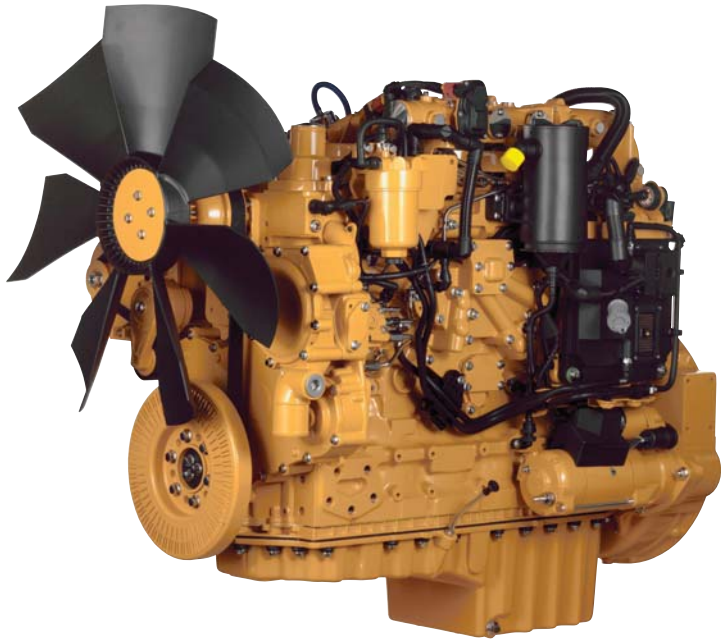
From helping you choose the right machine to knowledgeable support, Cat dealers provide the best when it comes to sales and service. Manage costs with preventive maintenance programs like Scheduled Oil Sampling (S·O·S<sup>SM</sup>) analysis or elaborate Customer Support Agreements. Stay productive with best-in-class parts availability. Cat dealers can even help you with operator training to help boost your profits. And when its 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 line routings across the hitch joint streamline the manufacturing process and improve reliability and durability.

## Engine

The new Cat C7.1 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 962K features a Cat C7.1 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 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**

Caterpillar engineers used an innovative systems integration approach to completely redesign the linkage system to meet customer needs in many applications. Development of the new optimized Z-bar linkage was done in conjunction with the Performance Series Buckets, Fusion™ coupler and Fusion family of work tools to ensure that all components function together to optimize visibility, performance and fuel efficiency. Visibility has been optimized by placing line routings and structural components out of the operator's sight lines. New parallel lift capabilities and a 30 to 60 percent increase in tilt force at maximum lift enhance performance and versatility.

## **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 962K torque converter has been optimized to improve fuel efficiency and deliver more power to the ground.

## **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 962K to customize these machines for your operation. The list includes: Performance Series Buckets (General Purpose, Material Handling, Rock); Specialty Buckets (Multi-Purpose, Side Dump, High Dump, Top Clamp, Waste Handling, Woodchip); and Pallet Forks, Forestry Forks (Log and Lumber, Logging, Millyard, Unloading Grapple).

### 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.

### Unloading Grapple Fork

The new Unloading Grapple Fork is ideal for unloading and stacking timber. A rounded top clamp and frame open the interior profile of the fork, enabling larger capacity loads to be moved. Easy and gentle loading out of stacks is permitted by the short tines, while a large, broad clamp holds tight to short or long timber. Forks are available with a kick-out that unloads the fork even at full lift, enabling higher lumber stacking.

# 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.

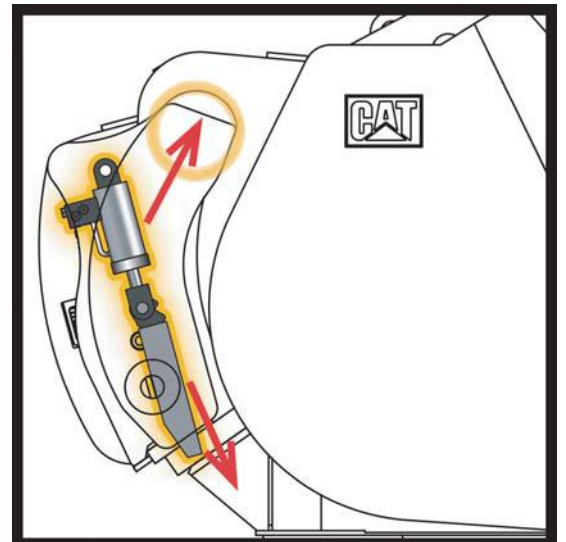
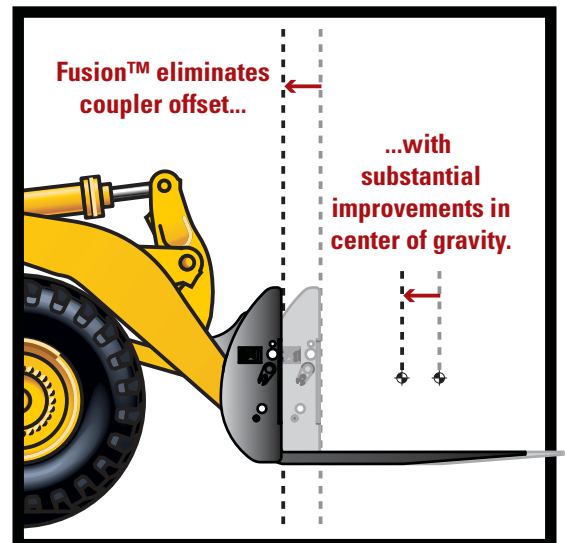
## Enhanced Visibility

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, enhancing 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.





# Versatility

## Z-Bar Linkage



### **Built for Any Application**

The new optimized Z-bar linkage design on the 962K was done in conjunction with the Performance Series Buckets, Fusion™ coupler and Fusion family of work tools to ensure that all components function together to optimize visibility, performance and fuel efficiency. From truck loading and work site clearing to logging and waste handling, the 962K is designed for a large number of applications. The optimized Z-bar linkage enhancements enable the 962K to combine the traditional benefits of a Z-bar linkage in bucket loading with the strengths of an integrated toolcarrier, providing a machine that meets all customer application needs.

### **Enhanced Visibility**

By lowering the structural torque tube and optimizing the hydraulic lines routings, the 962K Medium Wheel Loader offers best in class visibility. The Fusion Coupler wedge cylinders are offset to enhance line of sight to fork tips at ground level, truck bed height, and most of the lift range.

### **Greater Tilt Capacity**

The new linkage provides greater tilt capacity throughout the entire lifting range, enhancing versatility in all material handling applications. The benefit is increased rated load capacity in non-bucket applications.

### **Parallel Lift Capabilities**

The new linkage incorporates mechanical parallelism into the design, enabling intuitive operation in pallet fork and logging applications. To further enhance parallelism, an electro hydraulic parallelism function is standard on the 962K and achieves parallelism of  $-0$  degrees/ $+5$  degrees, meaning the forks will never dump while using just the lift implement lever. The electro hydraulic parallelism function is intuitive and transparent to the operator and can be enabled or disabled for specific work tools. This feature also enables a unique “return to level” functionality that will re-level the tool automatically at any lift height, which is extremely useful with pallet forks.

### **Work Tool Control System**

Combined with the Work Tool Control System, which enables the operator to browse through up to 5 different programmable work tools, the new optimized Z-bar linkage simplifies the operation of the machine allowing switching between applications to be seamless.





# 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 new 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.

# Operator Environment

Safe. Comfortable. Efficient.



## Conventional Steering

The conventional steering configuration offers a low-effort hand metering unit hydraulic steering system. Load sensing steering directs power through the steering system only when needed. The optional Command Control Steering is still offered on the 962K and is a load sensing system that links the steering wheel and frame angle positions to provide the proper amount of steering control. Full machine articulation is accomplished with a  $\pm 70$  degrees turn of the wheel versus two or three 360 degree turns on a conventional steering wheel.

## 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, 3V, and 4V 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.

## 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, these systems help the operator to remain efficient and productive all shift long.

## 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.



## 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 adding a convex windshield and eliminating two cab posts. The cab has a clean and clear panoramic view to enhance 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

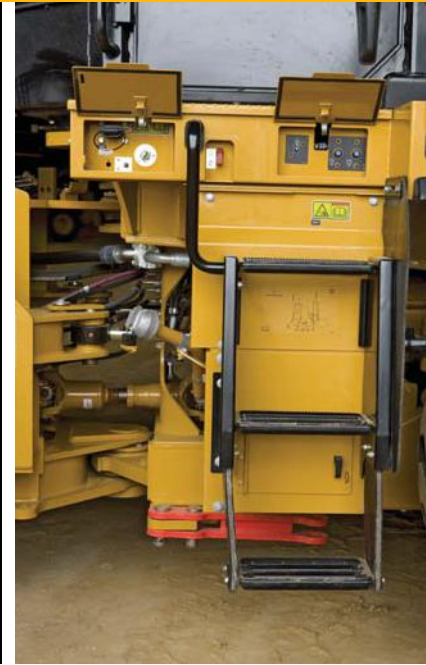
With the new standard rearview camera, visibility is greatly enhanced. The camera is located in a pocket on the grill to protect it from damage and the elements. The camera can be set to activate only when the transmission is in reverse to help eliminate distractions in the cab, especially when in dark 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 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.

## 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.



# Sustainability

## Conserving Resources



The 962K is designed to complement 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.
- Machine is built with a 95% recyclability rate (ISO 16714) to conserve valuable natural resources and further enhance machine end of life value.
- 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.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 emission standards.
- **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 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.



# 962K Wheel Loader Specifications

## Engine

Engine Model	Cat® C7.1 ACERT™	
Max Gross Power (1,900 rpm) – SAE J1995	181 kW	243 hp
Max Gross Power (1,900 rpm) – SAE J1995 (metric)		245 hp
Max Net Power (1,900 rpm) – ISO 9249	165 kW	221 hp
Max Net Power (1,900 rpm) – ISO 9249 (metric)		224 hp
Max Net Power (1,900 rpm) – SAE J1349	165 kW	221 hp
Max Net Power (1,900 rpm) – SAE J1349 (metric)		224 hp
Max Net Power (1,900 rpm) – EEC 80/1269	165 kW	221 hp
Max Net Power (1,900 rpm) – EEC 80/1269 (metric)		224 hp
Max Engine Power (1,900 rpm) – ISO 14396	180 kW	241 hp
Max Engine Power (1,900 rpm) – ISO 14396 (metric)		245 hp
Peak Gross Torque (1,300 rpm) – SAE J1995	1054 N·m	777 ft-lb
Peak Net Torque (1,400 rpm) – SAE J1349	988 N·m	729 ft-lb
Bore	105 mm	4.1 in
Stroke	135 mm	5.3 in
Displacement	7.01 L	427.8 in <sup>3</sup>

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

## Weights

Operating Weight 20 443 kg 45,055 lb

- For 3.3 m<sup>3</sup> (4.4 yd<sup>3</sup>) general purpose buckets with BOCE.

## Buckets

Bucket Capacities	2.50 to 9.20 m <sup>3</sup>	3.25 to 12.00 yd <sup>3</sup>
-------------------	-----------------------------	-------------------------------

- Refer to bucket selection chart.

## Operating Specifications

Static Tipping Load Full 40° Turn – ISO 14397-1*	11 695 kg	25,777 lb
Static Tipping Load Full 40° Turn – Rigid Tires**	12 467 kg	27,479 lb
Breakout Force	168 kN	37,784 lb

- For 3.3 m<sup>3</sup> (4.4 yd<sup>3</sup>) 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	6.9 km/h	4.3 mph
Forward 2	12.9 km/h	8.0 mph
Forward 3	22.7 km/h	14.1 mph
Forward 4	37.9 km/h	23.6 mph
Reverse 1	7.5 km/h	4.7 mph
Reverse 2	14.1 km/h	8.8 mph
Reverse 3	24.8 km/h	15.4 mph
Reverse 4	39.8 km/h	24.7 mph

- Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 787 mm (31 in) roll radius.

## Hydraulic System

Steering System	Piston	
Pump Type		
Implement System – Maximum Pump Output (2,340 rpm)	340 L/min	90 gal/min
Implement System – Maximum Operating Pressure	26 200 kPa	3,800 psi
Implement System – Optional 3rd and 4th Function Maximum Flow	280 L/min	74 gal/min
Implement System – Optional 3rd and 4th 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	1.8 Seconds	
Hydraulic Cycle Time – Lower, Empty, Float Down	2.5 Seconds	
Hydraulic Cycle Time – Total	10 Seconds	

- Cycle time with rated payload.

## Brakes

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

# 962K Wheel Loader Specifications

## Axles

Front	Fixed	
Rear	Oscillating ± 13 degrees	
Maximum Single-Wheel Rise and Fall	481 mm	18.9 in

## Tires

- Choose from a variety of tires to match your application.
- Choices include:
  - 750/65R25 VLT BS E3/L3 Radial
  - 23.5R25 RT3B GY L3
  - 23.5R25 GP4D GY L4
  - 23.5R25 VJT BS E3/L3 Radial
  - 23.5R25 XHA2 MX L3 Radial
  - 23.5R25 VMT BS L3 Radial
  - 23.5R25 XLDD2 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 107 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

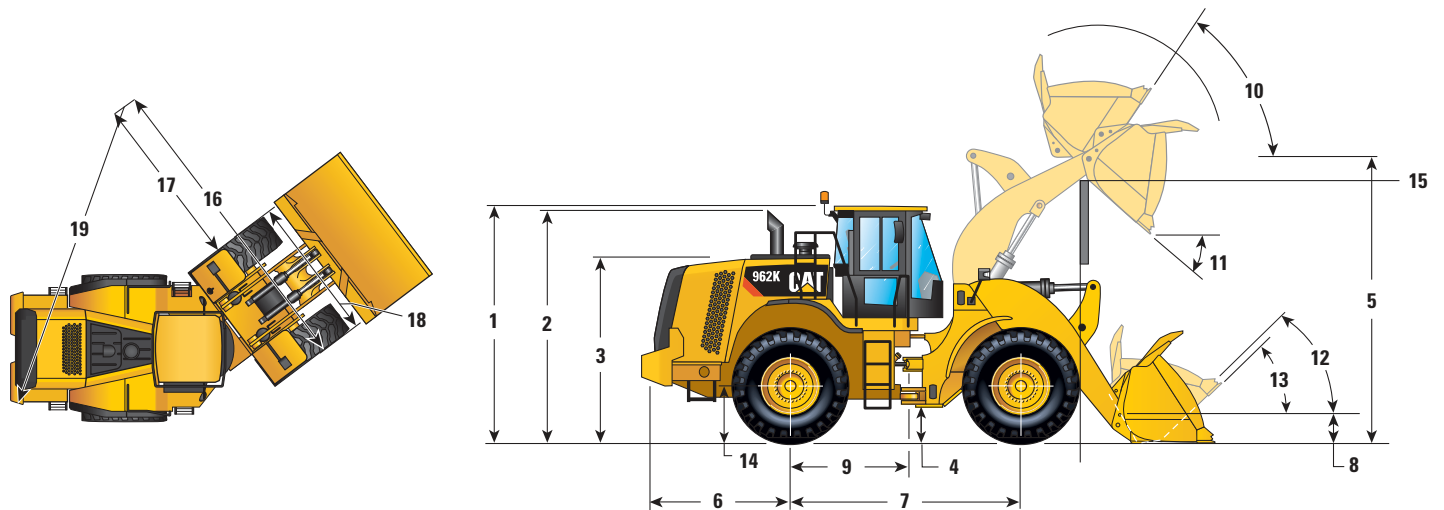
Fuel Tank – Standard	314 L	83 gal
Cooling System	60 L	15.9 gal
Crankcase	18 L	4.8 gal
Transmission	43 L	11.4 gal
Differentials and Final Drives – Front	43 L	11.4 gal
Differentials and Final Drives – Rear	43 L	11.4 gal
Hydraulic Tank	189 L	49.9 gal

- All non-road Tier 4/Stage IIIB, and Japan (MLIT) Step 4 diesel engines are required to use:
  - Ultra Low Sulfur Diesel (ULSD) fuels containing 15 ppm (mg/kg) sulfur or less. Biodiesel blends up to B20 are acceptable when blended with 15 ppm (mg/kg) sulfur or less ULSD and when the biodiesel feedstock meets ASTM D7467 specifications.
  - Cat® DEO-ULS™ or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specifications are required.



## Dimensions

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



<b>1</b> Height to Top of ROPS	3356 mm	11'0"
<b>2</b> Height to Top of Exhaust Pipe	3099 mm	10'2"
<b>3</b> Height to Top of Hood	2415 mm	7'11"
<b>4</b> Ground Clearance	397 mm	1'3"
<b>5</b> B-Pin Height – Standard	4237 mm	13'10"
B-Pin Height – High-Lift	4526 mm	14'10"
<b>6</b> Center Line of Rear Axle to Edge of Counterweight	2055 mm	6'7"
<b>7</b> Wheelbase	3350 mm	10'11"
<b>8</b> B-Pin Height @ Carry – Standard	677 mm	27"
<b>9</b> Center Line of Rear Axle to Hitch	1510 mm	4'11"
<b>10</b> Rack Back @ Maximum Lift	55 degrees	
<b>11</b> Dump Angle @ Maximum Lift	49 degrees	
<b>12</b> Rack Back @ Carry	51 degrees	
<b>13</b> Rack Back @ Ground	39 degrees	
<b>14</b> Height to Center Line of Axle	746 mm	2'3"
<b>15</b> Lift Arm Clearance	3472 mm	11'4"
Lift Arm Clearance @ High Lift	3625 mm	11'9"

## Turning Radius

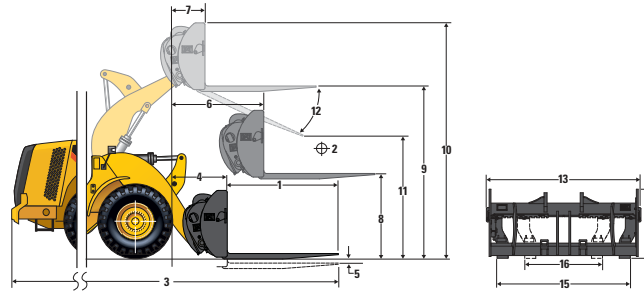
All dimensions are approximate and based on L3 Michelin XHA2 tires.

<b>16</b> Clearance Circle to Outside of Tires	5952 mm	19'6"
<b>17</b> Clearance Circle to Inside of Tires	3233 mm	10'7"
<b>18</b> Width Over Tires	2719 mm	8'11"
<b>19</b> Clearance Circle to Outside Edge of Counterweight	6025 mm	19'9"

# 962K Wheel Loader Specifications

## Dimensions

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



962K Standard Linkage with Fusion Pallet Fork

<b>1</b> Tine Length	1219 mm	48.0"	1524 mm	60.0"	1829 mm	72.0"	2438 mm	96.0"
<b>2</b> Load Center	610 mm	24.0"	762 mm	30.0"	915 mm	36.0"	1219 mm	48.0"
Static Tipping Load – Straight (Forks Level)	10 733 kg	23,655 lb	10 192 kg	22,463 lb	9694 kg	21,366 lb	8801 kg	19,398 lb
Static Tipping Load – Articulated (Forks Level)	9241 kg	20,368 lb	8767 kg	19,322 lb	8329 kg	18,357 lb	7543 kg	16,625 lb
Rated Load (SAE J1197 – 50% FTSTL)	4621 kg	10,184 lb	4383 kg	9,661 lb	4165 kg	9,179 lb	3771 kg	8,312 lb
Rated Load (CEN EN 474-3 Rough Terrain – 60% FTSTL)	5545 kg	12,221 lb	5260 kg	11,593 lb	4997 kg	11,014 lb	4526 kg	9,975 lb
Rated Load (CEN EN 474-3 Firm and Level Ground – 80% FTSTL)	7393 kg	16,294 lb	7013 kg	15,457 lb	6663 kg	14,686 lb	6034 kg	13,300 lb
<b>3</b> Maximum Overall Length	8737 mm	344.0"	9042 mm	356.0"	9347 mm	368.0"	9956 mm	392.0"
<b>4</b> Reach with Forks at Ground Level	1307 mm	51.5"	1307 mm	51.5"	1307 mm	51.5"	1307 mm	51.5"
<b>5</b> Ground to Top of Tine at Minimum Height and Fork Level	23 mm	0.9"	23 mm	0.9"	23 mm	0.9"	23 mm	0.9"
<b>6</b> Reach with Arms Horizontal and Forks Level	1826 mm	71.9"	1826 mm	71.9"	1826 mm	71.9"	1826 mm	71.9"
<b>7</b> Reach with Fork at Maximum Height	947 mm	37.3"	947 mm	37.3"	947 mm	37.3"	947 mm	37.3"
<b>8</b> Ground to Top of Tine with Arms Horizontal and Fork Level	1888 mm	74.3"	1888 mm	74.3"	1888 mm	74.3"	1888 mm	74.3"
<b>9</b> Ground to Top of Tine at Maximum Height and Fork Level	4040 mm	159.1"	4040 mm	159.1"	4040 mm	159.1"	4040 mm	159.1"
<b>10</b> Overall Height of Fork at Full Lift (top of carriage to ground)	5080 mm	200.0"	5080 mm	200.0"	5080 mm	200.0"	5080 mm	200.0"
<b>11</b> Clearance at Full Lift and Maximum Dump	2762 mm	108.8"	2522 mm	99.3"	2281 mm	89.8"	1801 mm	70.9"
<b>12</b> Maximum Discharge Angle from Horizontal	52 degrees		52 degrees		52 degrees		52 degrees	
<b>13</b> Overall Carriage Width	2528 mm	99.5"	2528 mm	99.5"	2528 mm	99.5"	2528 mm	99.5"
<b>14</b> Overall Carriage Height	1130 mm	44.5"	1130 mm	44.5"	1130 mm	44.5"	1130 mm	44.5"
<b>15</b> Outside Tine Width (Maximum Spread)	2178 mm	85.7"	2178 mm	85.7"	2178 mm	85.7"	2178 mm	85.7"
<b>16</b> Outside Tine Width (Minimum Spread)	576 mm	22.7"	576 mm	22.7"	576 mm	22.7"	576 mm	22.7"
Tine Width (Single Tine)	180 mm	7.1"	180 mm	7.1"	180 mm	7.1"	180 mm	7.1"
Tine Thickness	90 mm	3.5"	90 mm	3.5"	90 mm	3.5"	90 mm	3.5"
Operating Weight	20 331 kg	44,809 lb	20 394 kg	44,948 lb	20 456 kg	45,084 lb	20 581 kg	45,360 lb

NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA tires, air conditioning, ride control, power train guard, full fluids, fuel tank, coolant, lubricants, and operator.

Specifications and ratings conform to the following standards: SAE\* J1197, SAE J732, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:

SAE J1197: 50% of full turn static tipping load or hydraulic limit.

CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.

CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE – Society of Automotive Engineers

\*\*CEN – European Committee for Standardization



## 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 <sup>3</sup>	2.70	2.70	2.90	2.90	3.10	3.10
	yd <sup>3</sup>	3.53	3.53	3.79	3.79	4.05	4.05
Capacity – Struck (§)	m <sup>3</sup>	2.30	2.30	2.55	2.55	2.76	2.76
	yd <sup>3</sup>	3.01	3.01	3.34	3.34	3.61	3.61
Width (§)	mm	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	3191	3076	3136	3019	3093	2975
	ft/in	10'5"	10'1"	10'3"	9'10"	10'1"	9'9"
Reach at Maximum Lift and 45° Discharge (§)	mm	1290	1403	1328	1440	1363	1474
	ft/in	4'2"	4'7"	4'4"	4'8"	4'5"	4'10"
Reach at Level Lift Arm and Bucket Level (§)	mm	2660	2821	2729	2890	2786	2947
	ft/in	8'8"	9'3"	8'11"	9'5"	9'1"	9'8"
Digging Depth (§)	mm	88	88	88	88	88	88
	in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Overall Length	mm	8307	8479	8376	8548	8433	8605
	ft/in	27'4"	27'10"	27'6"	28'1"	27'8"	28'3"
Overall Height with Bucket at Maximum Lift	mm	5609	5609	5681	5681	5742	5742
	ft/in	18'5"	18'5"	18'8"	18'8"	18'11"	18'11"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 785	13 953	13 825	13 995	13 859	14 029
	ft/in	45'3"	45'10"	45'5"	45'11"	45'6"	46'1"
Static Tipping Load, Straight (ISO)*	kg	14 003	13 866	13 854	13 716	13 753	13 613
	lb	30,863	30,561	30,536	30,230	30,312	30,005
Static Tipping Load, Straight (Rigid Tire)*	kg	14 746	14 608	14 601	14 461	14 502	14 362
	lb	32,501	32,196	32,180	31,872	31,964	31,654
Static Tipping Load, Articulated (ISO)*	kg	12 053	11 916	11 910	11 772	11 816	11 677
	lb	26,565	26,262	26,251	25,946	26,043	25,736
Static Tipping Load, Articulated (Rigid Tire)*	kg	12 817	12 679	12 678	12 538	12 587	12 446
	lb	28,249	27,944	27,942	27,634	27,742	27,431
Breakout Force** (§)	kN	195	194	183	182	175	174
	lb	43,943	43,707	41,302	41,066	39,361	39,125
Operating Weight*	kg	20 252	20 360	20 336	20 444	20 373	20 481
	lb	44,634	44,872	44,821	45,059	44,902	45,140

\* Static tipping loads and operating weights shown are based on a global machine configuration with Michelin 23.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, standard linkage, 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 23.5R25 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.

# 962K 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 <sup>3</sup>	3.30	3.30	3.40	3.40	3.60	3.60
	yd <sup>3</sup>	4.32	4.32	4.45	4.45	4.71	4.71
Capacity – Struck (§)	m <sup>3</sup>	2.94	2.94	3.04	3.04	3.18	3.18
	yd <sup>3</sup>	3.85	3.85	3.98	3.98	4.16	4.16
Width (§)	mm	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	3054	2936	3036	2917	3010	2890
	ft/in	10'0"	9'7"	9'11"	9'6"	9'10"	9'5"
Reach at Maximum Lift and 45° Discharge (§)	mm	1392	1502	1406	1516	1428	1537
	ft/in	4'6"	4'11"	4'7"	4'11"	4'8"	5'0"
Reach at Level Lift Arm and Bucket Level (§)	mm	2835	2996	2859	3020	2894	3055
	ft/in	9'3"	9'9"	9'4"	9'10"	9'5"	10'0"
Digging Depth (§)	mm	88	88	88	88	88	88
	in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Overall Length	mm	8482	8654	8506	8678	8541	8713
	ft/in	27'10"	28'5"	27'11"	28'6"	28'1"	28'8"
Overall Height with Bucket at Maximum Lift	mm	5788	5788	5813	5813	5847	5847
	ft/in	19'0"	19'0"	19'1"	19'1"	19'3"	19'3"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 888	14 059	13 903	14 074	13 924	14 095
	ft/in	45'7"	46'2"	45'8"	46'3"	45'9"	46'3"
Static Tipping Load, Straight (ISO)*	kg	13 626	13 486	13 580	13 439	13 505	13 364
	lb	30,033	29,724	29,932	29,621	29,766	29,454
Static Tipping Load, Straight (Rigid Tire)*	kg	14 377	14 236	14 332	14 190	14 259	14 116
	lb	31,688	31,376	31,589	31,276	31,427	31,112
Static Tipping Load, Articulated (ISO)*	kg	11 695	11 555	11 652	11 511	11 581	11 439
	lb	25,777	25,468	25,681	25,370	25,525	25,213
Static Tipping Load, Articulated (Rigid Tire)*	kg	12 467	12 326	12 425	12 283	12 355	12 212
	lb	27,479	27,167	27,385	27,071	27,232	26,917
Breakout Force** (§)	kN	168	167	164	163	160	159
	lb	37,784	37,548	37,060	36,824	36,047	35,811
Operating Weight*	kg	20 443	20 551	20 466	20 574	20 503	20 611
	lb	45,055	45,293	45,108	45,346	45,188	45,426

\* Static tipping loads and operating weights shown are based on a global machine configuration with Michelin 23.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, standard linkage, 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 23.5R25 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		General Purpose – Pin On		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 <sup>3</sup>	3.80	3.80	2.70	2.70	2.90	2.90
	yd <sup>3</sup>	4.97	4.97	3.53	3.53	3.79	3.79
Capacity – Struck (§)	m <sup>3</sup>	3.36	3.36	2.32	2.32	2.52	2.52
	yd <sup>3</sup>	4.39	4.39	3.03	3.03	3.30	3.30
Width (§)	mm	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	2975	2855	3112	2987	3070	2944
	ft/in	9'9"	9'4"	10'2"	9'9"	10'0"	9'7"
Reach at Maximum Lift and 45° Discharge (§)	mm	1457	1566	1206	1308	1248	1350
	ft/in	4'9"	5'1"	3'11"	4'3"	4'1"	4'5"
Reach at Level Lift Arm and Bucket Level (§)	mm	2940	3101	2679	2840	2739	2900
	ft/in	9'7"	10'2"	8'9"	9'3"	8'11"	9'6"
Digging Depth (§)	mm	88	88	88	88	88	88
	in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Overall Length	mm	8587	8759	8326	8498	8386	8558
	ft/in	28'3"	28'9"	27'4"	27'11"	27'7"	28'1"
Overall Height with Bucket at Maximum Lift	mm	5894	5894	5835	5835	5192	5192
	ft/in	19'5"	19'5"	19'2"	19'2"	17'1"	17'1"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 952	14 124	13 796	13 965	13 831	14 001
	ft/in	45'10"	46'5"	45'4"	45'10"	45'5"	46'0"
Static Tipping Load, Straight (ISO)*	kg	13 400	13 258	13 829	13 693	13 706	13 569
	lb	29,534	29,220	30,480	30,180	30,209	29,906
Static Tipping Load, Straight (Rigid Tire)*	kg	14 155	14 011	14 556	14 418	14 435	14 296
	lb	31,198	30,881	32,081	31,778	31,815	31,510
Static Tipping Load, Articulated (ISO)*	kg	11 481	11 339	11 899	11 763	11 783	11 646
	lb	25,304	24,991	26,226	25,926	25,971	25,668
Static Tipping Load, Articulated (Rigid Tire)*	kg	12 257	12 113	12 647	12 510	12 534	12 395
	lb	27,015	26,698	27,874	27,572	27,624	27,319
Breakout Force** (§)	kN	154	153	192	191	182	181
	lb	34,784	34,548	43,166	42,930	40,945	40,709
Operating Weight*	kg	20 558	20 666	20 274	20 382	20 330	20 438
	lb	45,308	45,546	44,684	44,922	44,807	45,045

\* Static tipping loads and operating weights shown are based on a global machine configuration with Michelin 23.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, standard linkage, 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 23.5R25 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.

# 962K Wheel Loader Specifications

## 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 <sup>3</sup>	3.10	3.10	3.30	3.30	3.40	3.40
	yd <sup>3</sup>	4.05	4.05	4.32	4.32	4.45	4.45
Capacity – Struck (§)	m <sup>3</sup>	2.61	2.61	2.78	2.78	2.92	2.92
	yd <sup>3</sup>	3.41	3.41	3.64	3.64	3.82	3.82
Width (§)	mm	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	3038	2913	3006	2881	2978	2852
	ft/in	9'11"	9'6"	9'10"	9'5"	9'9"	9'4"
Reach at Maximum Lift and 45° Discharge (§)	mm	1280	1382	1312	1414	1340	1442
	ft/in	4'2"	4'6"	4'3"	4'7"	4'4"	4'8"
Reach at Level Lift Arm and Bucket Level (§)	mm	2784	2945	2829	2990	2869	3030
	ft/in	9'1"	9'7"	9'3"	9'9"	9'4"	9'11"
Digging Depth (§)	mm	88	88	88	88	88	88
	in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Overall Length	mm	8431	8603	8476	8648	8516	8688
	ft/in	27'8"	28'3"	27'10"	28'5"	28'0"	28'7"
Overall Height with Bucket at Maximum Lift	mm	5700	5700	5744	5744	5783	5783
	ft/in	18'9"	18'9"	18'11"	18'11"	19'0"	19'0"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 858	14 028	13 885	14 055	13 909	14 080
	ft/in	45'6"	46'1"	45'7"	46'2"	45'8"	46'3"
Static Tipping Load, Straight (ISO)*	kg	13 608	13 469	13 511	13 372	13 427	13 288
	lb	29,992	29,687	29,778	29,472	29,594	29,287
Static Tipping Load, Straight (Rigid Tire)*	kg	14 338	14 199	14 243	14 103	14 161	14 020
	lb	31,602	31,295	31,392	31,083	31,211	30,901
Static Tipping Load, Articulated (ISO)*	kg	11 690	11 552	11 599	11 460	11 520	11 380
	lb	25,766	25,461	25,564	25,258	25,390	25,082
Static Tipping Load, Articulated (Rigid Tire)*	kg	12 442	12 303	12 352	12 212	12 275	12 134
	lb	27,423	27,116	27,225	26,916	27,054	26,744
Breakout Force** (§)	kN	175	174	168	167	163	162
	lb	39,398	39,162	37,957	37,721	36,755	36,519
Operating Weight*	kg	20 380	20 488	20 428	20 536	20 468	20 576
	lb	44,918	45,156	45,023	45,261	45,112	45,350

\* Static tipping loads and operating weights shown are based on a global machine configuration with Michelin 23.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, standard linkage, 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 23.5R25 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 – Pin On				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 <sup>3</sup>	3.60	3.60	3.80	3.80	3.30	3.30
	yd <sup>3</sup>	4.71	4.71	4.97	4.97	4.32	4.32
Capacity – Struck (§)	m <sup>3</sup>	3.15	3.15	3.28	3.28	2.78	2.78
	yd <sup>3</sup>	4.12	4.12	4.29	4.29	3.64	3.64
Width (§)	mm	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	2946	2821	2910	2785	3006	2881
	ft/in	9'8"	9'3"	9'6"	9'1"	9'10"	9'5"
Reach at Maximum Lift and 45° Discharge (§)	mm	1372	1474	1408	1510	1312	1414
	ft/in	4'6"	4'10"	4'7"	4'11"	4'3"	4'7"
Reach at Level Lift Arm and Bucket Level (§)	mm	2914	3075	2965	3126	2829	2990
	ft/in	9'6"	10'1"	9'8"	10'3"	9'3"	9'9"
Digging Depth (§)	mm	88	88	88	88	88	88
	in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Overall Length	mm	8561	8733	8612	8784	8476	8648
	ft/in	28'2"	28'8"	28'4"	28'10"	27'10"	28'5"
Overall Height with Bucket at Maximum Lift	mm	5831	5831	5879	5879	5753	5753
	ft/in	19'2"	19'2"	19'4"	19'4"	18'11"	18'11"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 936	14 108	13 967	14 139	13 885	14 055
	ft/in	45'9"	46'4"	45'10"	46'5"	45'7"	46'2"
Static Tipping Load, Straight (ISO)*	kg	13 334	13 194	13 226	13 084	13 436	13 294
	lb	29,389	29,079	29,150	28,838	29,613	29,301
Static Tipping Load, Straight (Rigid Tire)*	kg	14 069	13 927	13 962	13 820	14 168	14 025
	lb	31,009	30,697	30,774	30,459	31,227	30,912
Static Tipping Load, Articulated (ISO)*	kg	11 432	11 291	11 329	11 188	11 524	11 382
	lb	25,196	24,887	24,970	24,659	25,399	25,087
Static Tipping Load, Articulated (Rigid Tire)*	kg	12 188	12 047	12 088	11 945	12 277	12 135
	lb	26,864	26,552	26,642	26,327	27,060	26,746
Breakout Force** (§)	kN	157	156	151	150	168	167
	lb	35,483	35,247	34,128	33,891	37,831	37,585
Operating Weight*	kg	20 512	20 620	20 566	20 674	20 499	20 607
	lb	45,208	45,446	45,327	45,565	45,180	45,418

\* Static tipping loads and operating weights shown are based on a global machine configuration with Michelin 23.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, standard linkage, 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 23.5R25 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.

# 962K 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 <sup>3</sup>	3.40	3.40	3.60	3.60	3.80	3.80
	yd <sup>3</sup>	4.45	4.45	4.71	4.71	4.97	4.97
Capacity – Struck (§)	m <sup>3</sup>	3.03	3.03	3.20	3.20	3.28	3.28
	yd <sup>3</sup>	3.96	3.96	4.19	4.19	4.29	4.29
Width (§)	mm	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	2978	2852	2943	2817	2910	2785
	ft/in	9'9"	9'4"	9'7"	9'2"	9'6"	9'1"
Reach at Maximum Lift and 45° Discharge (§)	mm	1340	1442	1375	1477	1408	1510
	ft/in	4'4"	4'8"	4'6"	4'10"	4'7"	4'11"
Reach at Level Lift Arm and Bucket Level (§)	mm	2869	3030	2919	3080	2965	3126
	ft/in	9'4"	9'11"	9'6"	10'1"	9'8"	10'3"
Digging Depth (§)	mm	88	88	88	88	88	88
	in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Overall Length	mm	8516	8688	8566	8738	8612	8784
	ft/in	28'0"	28'7"	28'2"	28'9"	28'4"	28'10"
Overall Height with Bucket at Maximum Lift	mm	5792	5792	5837	5837	5866	5866
	ft/in	19'1"	19'1"	19'2"	19'2"	19'3"	19'3"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 909	14 080	13 939	14 111	13 967	14 139
	ft/in	45'8"	46'3"	45'9"	46'4"	45'10"	46'5"
Static Tipping Load, Straight (ISO)*	kg	13 313	13 171	13 201	13 059	13 103	12 960
	lb	29,342	29,029	29,097	28,782	28,880	28,564
Static Tipping Load, Straight (Rigid Tire)*	kg	14 047	13 903	13 936	13 792	13 840	13 695
	lb	30,959	30,644	30,716	30,399	30,503	30,184
Static Tipping Load, Articulated (ISO)*	kg	11 405	11 263	11 300	11 157	11 207	11 063
	lb	25,138	24,825	24,906	24,591	24,700	24,384
Static Tipping Load, Articulated (Rigid Tire)*	kg	12 160	12 017	12 057	11 912	11 965	11 820
	lb	26,802	26,486	26,573	26,256	26,371	26,052
Breakout Force** (§)	kN	162	161	156	155	151	150
	lb	36,588	36,342	35,174	34,928	33,952	33,706
Operating Weight*	kg	20 576	20 684	20 628	20 736	20 677	20 785
	lb	45,349	45,587	45,464	45,702	45,572	45,810

\* Static tipping loads and operating weights shown are based on a global machine configuration with Michelin 23.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, standard linkage, 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 23.5R25 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		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 <sup>3</sup>	2.70	2.70	2.90	2.90	3.10	3.10
	yd <sup>3</sup>	3.53	3.53	3.79	3.79	4.05	4.05
Capacity – Struck (§)	m <sup>3</sup>	2.30	2.30	2.55	2.55	2.76	2.76
	yd <sup>3</sup>	3.01	3.01	3.34	3.34	3.61	3.61
Width (§)	mm	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	3153	3037	3097	2980	3053	2935
	ft/in	10'4"	9'11"	10'1"	9'9"	10'0"	9'7"
Reach at Maximum Lift and 45° Discharge (§)	mm	1336	1449	1374	1485	1408	1519
	ft/in	4'4"	4'9"	4'6"	4'10"	4'7"	4'11"
Reach at Level Lift Arm and Bucket Level (§)	mm	2720	2881	2789	2950	2846	3007
	ft/in	8'11"	9'5"	9'1"	9'8"	9'4"	9'10"
Digging Depth (§)	mm	88	88	88	88	88	88
	in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Overall Length	mm	8367	8539	8436	8608	8493	8665
	ft/in	27'6"	28'1"	27'9"	28'3"	27'11"	28'6"
Overall Height with Bucket at Maximum Lift	mm	5641	5641	5714	5714	5775	5775
	ft/in	18'7"	18'7"	18'9"	18'9"	19'0"	19'0"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 811	13 982	13 852	14 024	13 887	14 060
	ft/in	45'4"	45'11"	45'6"	46'1"	45'7"	46'2"
Static Tipping Load, Straight (ISO)*	kg	13 391	13 255	13 270	13 132	13 152	13 013
	lb	29,515	29,214	29,247	28,943	28,988	28,682
Static Tipping Load, Straight (Rigid Tire)*	kg	14 124	13 987	14 006	13 867	13 891	13 751
	lb	31,131	30,827	30,870	30,563	30,616	30,307
Static Tipping Load, Articulated (ISO)*	kg	11 470	11 333	11 355	11 217	11 244	11 105
	lb	25,281	24,979	25,027	24,722	24,783	24,477
Static Tipping Load, Articulated (Rigid Tire)*	kg	12 225	12 087	12 112	11 973	12 004	11 864
	lb	26,944	26,640	26,696	26,389	26,458	26,149
Breakout Force** (§)	kN	185	184	174	173	166	165
	lb	41,637	41,401	39,256	39,020	37,469	37,233
Operating Weight*	kg	20 726	20 834	20 789	20 897	20 843	20 951
	lb	45,680	45,918	45,818	46,056	45,937	46,175

\* Static tipping loads and operating weights shown are based on a global machine configuration with Michelin 23.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, standard linkage, 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 23.5R25 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.

# 962K 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 <sup>3</sup>	3.30	3.30	3.40	3.40	3.60	3.60
	yd <sup>3</sup>	4.32	4.32	4.45	4.45	4.71	4.71
Capacity – Struck (§)	m <sup>3</sup>	2.94	2.94	3.04	3.04	3.18	3.18
	yd <sup>3</sup>	3.85	3.85	3.98	3.98	4.16	4.16
Width (§)	mm	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	3015	2896	2996	2877	2970	2850
	ft/in	9'10"	9'6"	9'9"	9'5"	9'8"	9'4"
Reach at Maximum Lift and 45° Discharge (§)	mm	1437	1547	1451	1561	1473	1582
	ft/in	4'8"	5'0"	4'9"	5'1"	4'10"	5'2"
Reach at Level Lift Arm and Bucket Level (§)	mm	2895	3056	2919	3080	2954	3115
	ft/in	9'5"	10'0"	9'6"	10'1"	9'8"	10'2"
Digging Depth (§)	mm	88	88	88	88	88	88
	in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Overall Length	mm	8542	8714	8566	8738	8601	8773
	ft/in	28'1"	28'8"	28'2"	28'9"	28'3"	28'10"
Overall Height with Bucket at Maximum Lift	mm	5821	5821	5847	5847	5881	5881
	ft/in	19'2"	19'2"	19'3"	19'3"	19'4"	19'4"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 917	14 090	13 932	14 105	13 953	14 127
	ft/in	45'8"	46'3"	45'9"	46'4"	45'10"	46'5"
Static Tipping Load, Straight (ISO)*	kg	13 056	12 916	13 011	12 871	12 941	12 800
	lb	28,776	28,467	28,677	28,368	28,524	28,213
Static Tipping Load, Straight (Rigid Tire)*	kg	13 796	13 655	13 753	13 611	13 684	13 542
	lb	30,408	30,097	30,312	29,999	30,161	29,847
Static Tipping Load, Articulated (ISO)*	kg	11 154	11 014	11 111	10 971	11 045	10 904
	lb	24,583	24,275	24,490	24,180	24,344	24,034
Static Tipping Load, Articulated (Rigid Tire)*	kg	11 915	11 774	11 874	11 732	11 810	11 667
	lb	26,262	25,951	26,171	25,859	26,029	25,715
Breakout Force** (§)	kN	160	159	157	156	153	152
	lb	36,044	35,808	35,379	35,143	34,449	34,213
Operating Weight*	kg	20 889	20 997	20 913	21 021	20 947	21 055
	lb	46,039	46,277	46,091	46,329	46,166	46,404

\* Static tipping loads and operating weights shown are based on a global machine configuration with Michelin 23.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, standard linkage, 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 23.5R25 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		General Purpose – Fusion QC		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 <sup>3</sup>	3.80	3.80	2.70	2.70	2.90	2.90
	yd <sup>3</sup>	4.97	4.97	3.53	3.53	3.79	3.79
Capacity – Struck (§)	m <sup>3</sup>	3.36	3.36	2.20	2.20	2.40	2.40
	yd <sup>3</sup>	4.39	4.39	2.88	2.88	3.14	3.14
Width (§)	mm	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	2935	2815	3070	2944	3027	2902
	ft/in	9'7"	9'2"	10'0"	9'7"	9'11"	9'6"
Reach at Maximum Lift and 45° Discharge (§)	mm	1502	1611	1248	1350	1290	1393
	ft/in	4'11"	5'3"	4'1"	4'5"	4'2"	4'6"
Reach at Level Lift Arm and Bucket Level (§)	mm	3000	3161	2739	2900	2799	2960
	ft/in	9'10"	10'4"	8'11"	9'6"	9'2"	9'8"
Digging Depth (§)	mm	88	88	88	88	88	88
	in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Overall Length	mm	8647	8819	8386	8558	8446	8618
	ft/in	28'5"	29'0"	27'7"	28'1"	27'9"	28'4"
Overall Height with Bucket at Maximum Lift	mm	5928	5928	5634	5634	5697	5697
	ft/in	19'6"	19'6"	18'6"	18'6"	18'9"	18'9"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 982	14 157	13 822	13 994	13 858	14 030
	ft/in	45'11"	46'6"	45'5"	45'11"	45'6"	46'1"
Static Tipping Load, Straight (ISO)*	kg	12 849	12 708	13 244	13 108	13 132	12 995
	lb	28,321	28,008	29,190	28,891	28,943	28,641
Static Tipping Load, Straight (Rigid Tire)*	kg	13 594	13 451	13 961	13 824	13 851	13 713
	lb	29,962	29,646	30,771	30,470	30,529	30,225
Static Tipping Load, Articulated (ISO)*	kg	10 959	10 817	11 342	11 207	11 237	11 100
	lb	24,153	23,841	24,999	24,700	24,767	24,465
Static Tipping Load, Articulated (Rigid Tire)*	kg	11 724	11 581	12 082	11 945	11 978	11 840
	lb	25,841	25,526	26,628	26,327	26,401	26,097
Breakout Force** (§)	kN	148	147	182	181	173	172
	lb	33,289	33,053	40,950	40,714	38,931	38,695
Operating Weight*	kg	20 992	21 100	20 732	20 840	20 784	20 892
	lb	46,265	46,503	45,693	45,931	45,807	46,045

\* Static tipping loads and operating weights shown are based on a global machine configuration with Michelin 23.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, standard linkage, 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 23.5R25 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.

# 962K Wheel Loader Specifications

## Operating Specifications

Bucket Type		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 <sup>3</sup>	3.10	3.10	3.30	3.30	3.40	3.40
	yd <sup>3</sup>	4.05	4.05	4.32	4.32	4.45	4.45
Capacity – Struck (§)	m <sup>3</sup>	2.61	2.61	2.78	2.78	2.92	2.92
	yd <sup>3</sup>	3.41	3.41	3.64	3.64	3.82	3.82
Width (§)	mm	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	2996	2870	2964	2838	2936	2810
	ft/in	9'9"	9'5"	9'8"	9'3"	9'7"	9'2"
Reach at Maximum Lift and 45° Discharge (§)	mm	1322	1424	1354	1456	1382	1485
	ft/in	4'4"	4'8"	4'5"	4'9"	4'6"	4'10"
Reach at Level Lift Arm and Bucket Level (§)	mm	2844	3005	2889	3050	2929	3090
	ft/in	9'3"	9'10"	9'5"	10'0"	9'7"	10'1"
Digging Depth (§)	mm	88	88	88	88	88	88
	in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Overall Length	mm	8491	8663	8536	8708	8576	8748
	ft/in	27'11"	28'6"	28'1"	28'7"	28'2"	28'9"
Overall Height with Bucket at Maximum Lift	mm	5734	5734	5778	5778	5817	5817
	ft/in	18'10"	18'10"	19'0"	19'0"	19'1"	19'1"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 886	14 058	13 913	14 086	13 938	14 112
	ft/in	45'7"	46'2"	45'8"	46'3"	45'9"	46'4"
Static Tipping Load, Straight (ISO)*	kg	13 035	12 897	12 943	12 804	12 867	12 728
	lb	28,729	28,426	28,526	28,221	28,359	28,053
Static Tipping Load, Straight (Rigid Tire)*	kg	13 756	13 617	13 665	13 525	13 591	13 451
	lb	30,318	30,012	30,118	29,810	29,955	29,646
Static Tipping Load, Articulated (ISO)*	kg	11 145	11 008	11 059	10 920	10 987	10 848
	lb	24,565	24,261	24,374	24,069	24,216	23,909
Static Tipping Load, Articulated (Rigid Tire)*	kg	11 888	11 749	11 803	11 663	11 733	11 593
	lb	26,202	25,896	26,014	25,706	25,860	25,551
Breakout Force** (§)	kN	166	165	161	160	156	155
	lb	37,518	37,282	36,201	35,965	35,098	34,862
Operating Weight*	kg	20 833	20 941	20 877	20 985	20 915	21 023
	lb	45,915	46,153	46,012	46,250	46,096	46,334

\* Static tipping loads and operating weights shown are based on a global machine configuration with Michelin 23.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, standard linkage, 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 23.5R25 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 – Fusion QC				High Lift Change in Specs
		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	
Edge Type						
Capacity – Rated (§)	m <sup>3</sup>	3.60	3.60	3.80	3.80	
	yd <sup>3</sup>	4.71	4.71	4.97	4.97	
Capacity – Struck (§)	m <sup>3</sup>	3.10	3.10	3.28	3.28	
	yd <sup>3</sup>	4.05	4.05	4.29	4.29	
Width (§)	mm	2927	2994	2927	2994	
	ft/in	9'7"	9'9"	9'7"	9'9"	
Dump Clearance at Maximum Lift and 45° Discharge (§)	mm	2904	2778	2868	2742	288
	ft/in	9'6"	9'1"	9'4"	8'11"	0'11"
Reach at Maximum Lift and 45° Discharge (§)	mm	1414	1516	1450	1552	101
	ft/in	4'7"	4'11"	4'9"	5'1"	0'4"
Reach at Level Lift Arm and Bucket Level (§)	mm	2974	3135	3025	3186	277
	ft/in	9'9"	10'3"	9'11"	10'5"	0'10"
Digging Depth (§)	mm	88	88	88	88	5
	in	3.5"	3.5"	3.5"	3.5"	0.2"
Overall Length	mm	8621	8793	8672	8844	443
	ft/in	28'4"	28'11"	28'6"	29'1"	1'6"
Overall Height with Bucket at Maximum Lift	mm	5860	5860	5913	5913	289
	ft/in	19'3"	19'3"	19'5"	19'5"	1'0"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 966	14 140	13 998	14 173	308
	ft/in	45'10"	46'5"	46'0"	46'6"	1'1"
Static Tipping Load, Straight (ISO)*	kg	12 779	12 639	12 674	12 533	(652)
	lb	28,166	27,857	27,935	27,624	(1,437)
Static Tipping Load, Straight (Rigid Tire)*	kg	13 504	13 363	13 401	13 259	(748)
	lb	29,764	29,453	29,537	29,223	(1,649)
Static Tipping Load, Articulated (ISO)*	kg	10 905	10 765	10 805	10 665	(635)
	lb	24,034	23,726	23,816	23,505	(1,400)
Static Tipping Load, Articulated (Rigid Tire)*	kg	11 652	11 511	11 554	11 412	(723)
	lb	25,681	25,370	25,466	25,153	(1,594)
Breakout Force** (§)	kN	151	149	145	144	(1)
	lb	33,932	33,696	32,677	32,440	(286)
Operating Weight*	kg	20 955	21 063	21 009	21 117	550
	lb	46,184	46,422	46,303	46,541	1,211

\* Static tipping loads and operating weights shown are based on a global machine configuration with Michelin 23.5R25 XHA2 L3 Radial tires, full fluids, operator, standard counterweight, standard linkage, 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 23.5R25 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.

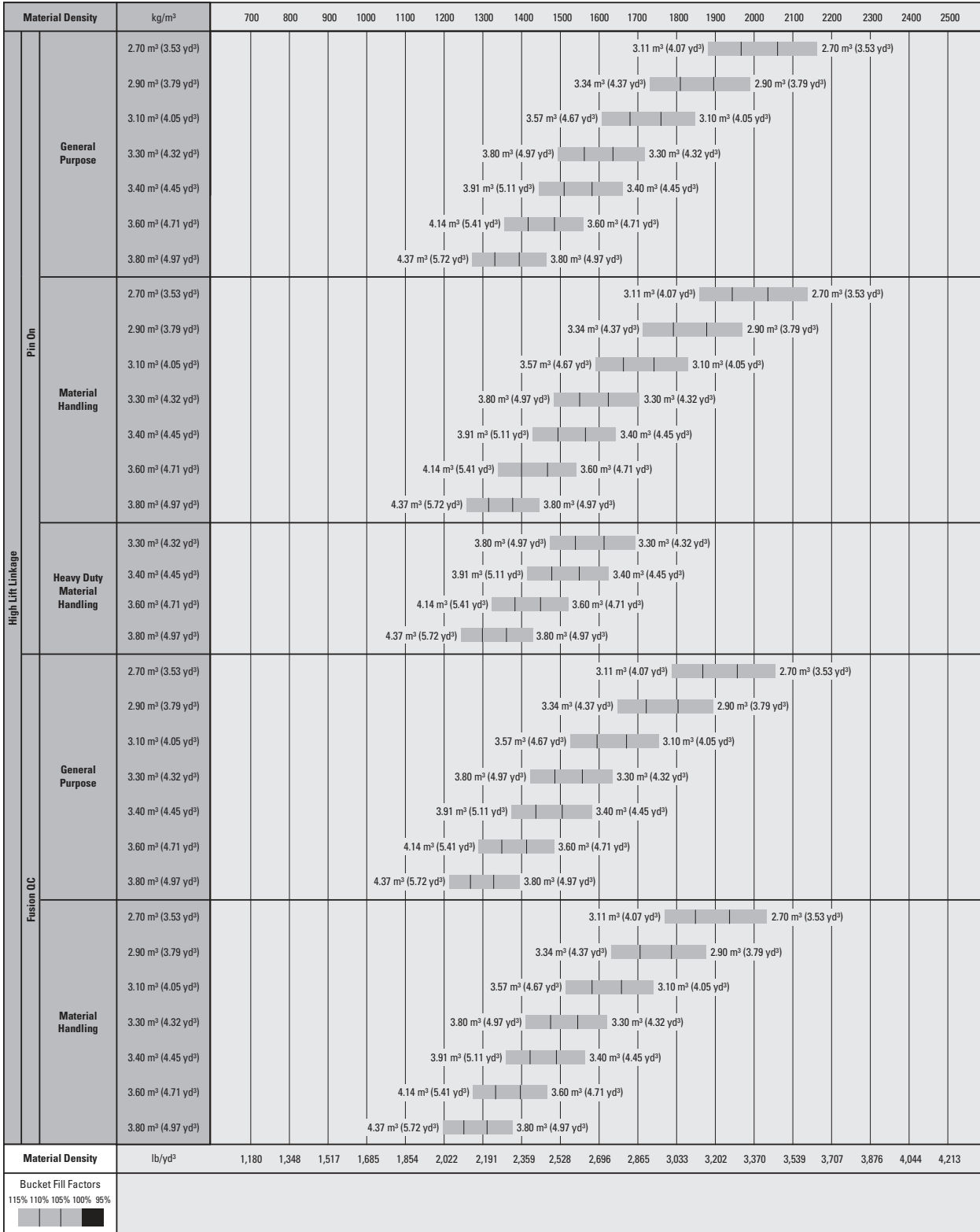
# 962K Wheel Loader Specifications

## Bucket Selection Charts

Material Density		kg/m <sup>3</sup>	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500		
Standard Linkage	Pin On	General Purpose	2.70 m <sup>3</sup> (3.53 yd <sup>3</sup> )												3.11 m <sup>3</sup> (4.07 yd <sup>3</sup> )						2.70 m <sup>3</sup> (3.53 yd <sup>3</sup> )		
			2.90 m <sup>3</sup> (3.79 yd <sup>3</sup> )												3.34 m <sup>3</sup> (4.37 yd <sup>3</sup> )						2.90 m <sup>3</sup> (3.79 yd <sup>3</sup> )		
			3.10 m <sup>3</sup> (4.05 yd <sup>3</sup> )											3.57 m <sup>3</sup> (4.67 yd <sup>3</sup> )							3.10 m <sup>3</sup> (4.05 yd <sup>3</sup> )		
			3.30 m <sup>3</sup> (4.32 yd <sup>3</sup> )										3.80 m <sup>3</sup> (4.97 yd <sup>3</sup> )									3.30 m <sup>3</sup> (4.32 yd <sup>3</sup> )	
			3.40 m <sup>3</sup> (4.45 yd <sup>3</sup> )									3.91 m <sup>3</sup> (5.11 yd <sup>3</sup> )											3.40 m <sup>3</sup> (4.45 yd <sup>3</sup> )
			3.60 m <sup>3</sup> (4.71 yd <sup>3</sup> )									4.14 m <sup>3</sup> (5.41 yd <sup>3</sup> )											3.60 m <sup>3</sup> (4.71 yd <sup>3</sup> )
			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> )
	Material Handling	2.70 m <sup>3</sup> (3.53 yd <sup>3</sup> )														3.11 m <sup>3</sup> (4.07 yd <sup>3</sup> )						2.70 m <sup>3</sup> (3.53 yd <sup>3</sup> )	
		2.90 m <sup>3</sup> (3.79 yd <sup>3</sup> )														3.34 m <sup>3</sup> (4.37 yd <sup>3</sup> )						2.90 m <sup>3</sup> (3.79 yd <sup>3</sup> )	
		3.10 m <sup>3</sup> (4.05 yd <sup>3</sup> )														3.57 m <sup>3</sup> (4.67 yd <sup>3</sup> )						3.10 m <sup>3</sup> (4.05 yd <sup>3</sup> )	
		3.30 m <sup>3</sup> (4.32 yd <sup>3</sup> )														3.80 m <sup>3</sup> (4.97 yd <sup>3</sup> )						3.30 m <sup>3</sup> (4.32 yd <sup>3</sup> )	
		3.40 m <sup>3</sup> (4.45 yd <sup>3</sup> )														3.91 m <sup>3</sup> (5.11 yd <sup>3</sup> )						3.40 m <sup>3</sup> (4.45 yd <sup>3</sup> )	
		3.60 m <sup>3</sup> (4.71 yd <sup>3</sup> )														4.14 m <sup>3</sup> (5.41 yd <sup>3</sup> )						3.60 m <sup>3</sup> (4.71 yd <sup>3</sup> )	
		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> )	
	Heavy Duty Material Handling	3.30 m <sup>3</sup> (4.32 yd <sup>3</sup> )														3.80 m <sup>3</sup> (4.97 yd <sup>3</sup> )						3.30 m <sup>3</sup> (4.32 yd <sup>3</sup> )	
		3.40 m <sup>3</sup> (4.45 yd <sup>3</sup> )														3.91 m <sup>3</sup> (5.11 yd <sup>3</sup> )						3.40 m <sup>3</sup> (4.45 yd <sup>3</sup> )	
		3.60 m <sup>3</sup> (4.71 yd <sup>3</sup> )														4.14 m <sup>3</sup> (5.41 yd <sup>3</sup> )						3.60 m <sup>3</sup> (4.71 yd <sup>3</sup> )	
		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> )	
	Fusion CC	General Purpose	2.70 m <sup>3</sup> (3.53 yd <sup>3</sup> )													3.11 m <sup>3</sup> (4.07 yd <sup>3</sup> )						2.70 m <sup>3</sup> (3.53 yd <sup>3</sup> )	
			2.90 m <sup>3</sup> (3.79 yd <sup>3</sup> )														3.34 m <sup>3</sup> (4.37 yd <sup>3</sup> )						2.90 m <sup>3</sup> (3.79 yd <sup>3</sup> )
			3.10 m <sup>3</sup> (4.05 yd <sup>3</sup> )														3.57 m <sup>3</sup> (4.67 yd <sup>3</sup> )						3.10 m <sup>3</sup> (4.05 yd <sup>3</sup> )
			3.30 m <sup>3</sup> (4.32 yd <sup>3</sup> )														3.80 m <sup>3</sup> (4.97 yd <sup>3</sup> )						3.30 m <sup>3</sup> (4.32 yd <sup>3</sup> )
			3.40 m <sup>3</sup> (4.45 yd <sup>3</sup> )														3.91 m <sup>3</sup> (5.11 yd <sup>3</sup> )						3.40 m <sup>3</sup> (4.45 yd <sup>3</sup> )
			3.60 m <sup>3</sup> (4.71 yd <sup>3</sup> )														4.14 m <sup>3</sup> (5.41 yd <sup>3</sup> )						3.60 m <sup>3</sup> (4.71 yd <sup>3</sup> )
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> )	
Material Handling		2.70 m <sup>3</sup> (3.53 yd <sup>3</sup> )														3.11 m <sup>3</sup> (4.07 yd <sup>3</sup> )						2.70 m <sup>3</sup> (3.53 yd <sup>3</sup> )	
		2.90 m <sup>3</sup> (3.79 yd <sup>3</sup> )														3.34 m <sup>3</sup> (4.37 yd <sup>3</sup> )						2.90 m <sup>3</sup> (3.79 yd <sup>3</sup> )	
		3.10 m <sup>3</sup> (4.05 yd <sup>3</sup> )														3.57 m <sup>3</sup> (4.67 yd <sup>3</sup> )						3.10 m <sup>3</sup> (4.05 yd <sup>3</sup> )	
		3.30 m <sup>3</sup> (4.32 yd <sup>3</sup> )														3.80 m <sup>3</sup> (4.97 yd <sup>3</sup> )						3.30 m <sup>3</sup> (4.32 yd <sup>3</sup> )	
		3.40 m <sup>3</sup> (4.45 yd <sup>3</sup> )														3.91 m <sup>3</sup> (5.11 yd <sup>3</sup> )						3.40 m <sup>3</sup> (4.45 yd <sup>3</sup> )	
		3.60 m <sup>3</sup> (4.71 yd <sup>3</sup> )														4.14 m <sup>3</sup> (5.41 yd <sup>3</sup> )						3.60 m <sup>3</sup> (4.71 yd <sup>3</sup> )	
		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> )	
Material Density	lb/yd <sup>3</sup>	1,180	1,348	1,517	1,685	1,854	2,022	2,191	2,359	2,528	2,696	2,865	3,033	3,202	3,370	3,539	3,707	3,876	4,044	4,213			
Bucket Fill Factors	115% 110% 105% 100% 95%																						

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

# Bucket Selection Charts



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



# 962K Wheel Loader Specifications

## 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

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

## Change in Specifications

Tires	Width over tires		Change in vertical dimensions		Change in operating weight		Change in static tipping load	
	mm	in	mm	in	kg	lb	kg	lb
23.5R25 RT3B GY L3	2851	112	-2	-0.1"	264	582	146	322
23.5R25 VJT BS E3/L3 Radial	2831	111	-25	-1	184	406	116	256
23.5R25 VMT BS L3 Radial	2861	113	-28	-1.1	200	441	127	180
750/65R25 VLT BS E3/L3 Radial	2974	117	-1	-0.04	744	1,640	471	1,038
23.5R25 XHA2 MX L3 Radial	2820	111	0	0	0	0	0	0
23.5R25 XLDD2 MX L5 Radial	2824	111	28	1.1	608	1,340	385	849
23.5R25 XLD MX L3 Radial	2954	116	-4	-0.2	592	1,305	375	827

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 C7.1 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  
 Glow plugs  
 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, 115-amp brushed  
 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, HMU wheel  
 Sun visor, front  
 Wet-arm wipers/washers front and rear  
 – Intermittent front wiper  
 Window, sliding (left and right side)  
 Viscous mounts

## TIRES

A tire must be selected from the mandatory attachments section. Base machine price includes a tire 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, 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, optimized Z-bar  
 Oil sampling valves  
 Platform, window washing  
 Product Link  
 Remote, diagnostic pressure taps  
 Service center (electrical and hydraulic)  
 Sight gauges: engine coolant, hydraulic oil and transmission oil level  
 Steering secondary  
 Toolbox  
 Vandalism protection caplocks

# 962K 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 2V/3V
- Axle oil cooler 4V

Hydraulics arrangement, 2V with ride control

Hydraulics arrangement, 3V with ride control

Hydraulics arrangement, 4V with ride control

Cold start/high altitude package (240V)

Comfort package

Work lighting package, halogen

Work lighting package, HID

Forestry package

Industrial package

Cab protection package

High lift, 2V

High lift, 3V

High lift, 4V

Fusion coupler

Fusion coupler ready, 2V

Fusion coupler ready, 3V

Bucket and work tool options (contact Cat Work Tools)

Lights, signal LED

Product Link, satellite

Control, aggregate autodig

Command control 2V/3V

Command control 4V

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, power train

Guard, front window

Guard, complete cab

Guard, front window (Logger)

Autolube

Fenders, narrow front

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)





# 962K Wheel Loader

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

© 2012 Caterpillar Inc.  
All rights reserved

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

CAT, CATERPILLAR, SAFETY.CAT.COM, their respective logos, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

AEHQ6612 (02-2012)  
(Europe and Countries Applying  
EU Emissions Regulations)

