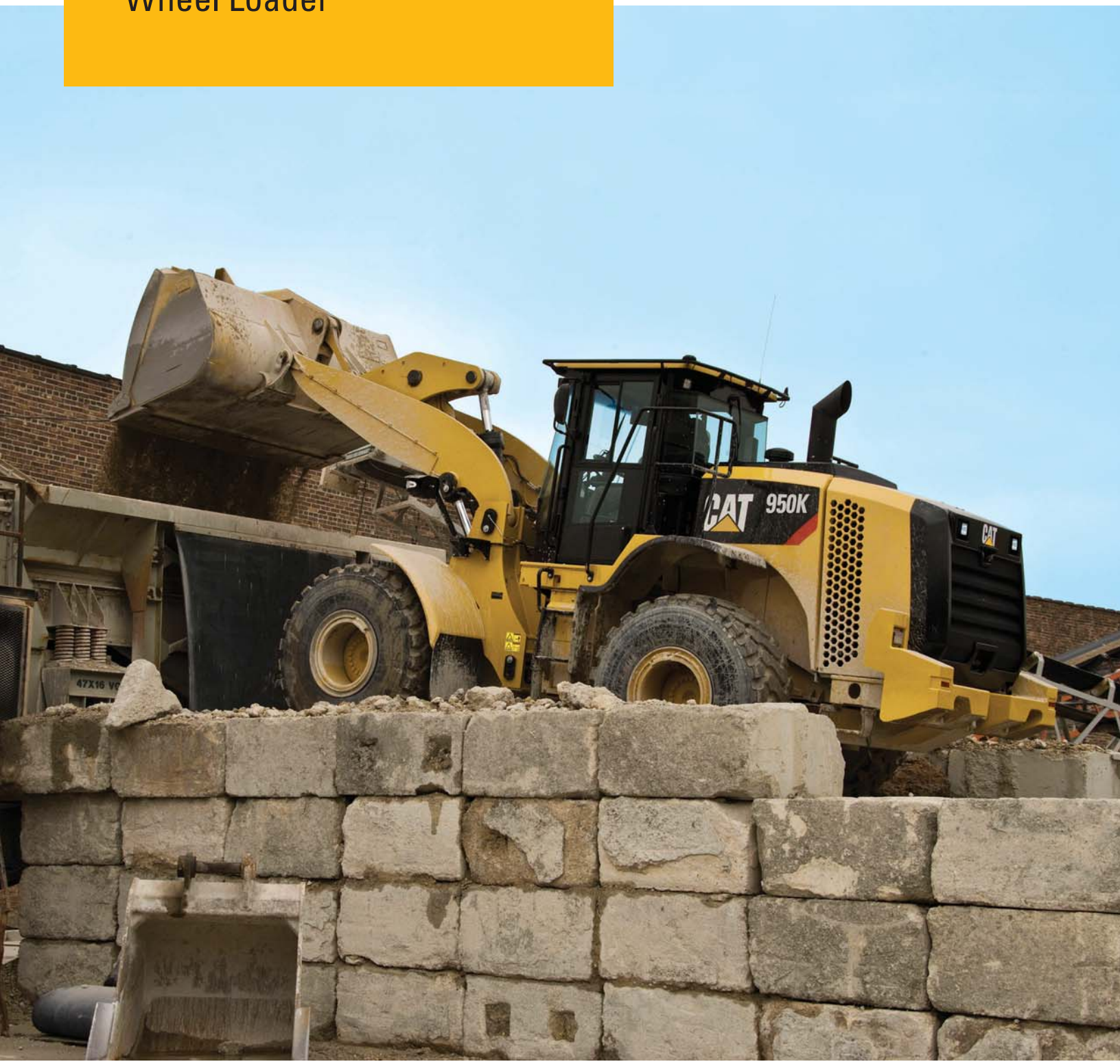
950K
Wheel Loader



Engine		
Engine Model	Cat® C7.1 ACERT™	
Max Engine Power (1,900 rpm) – ISO 14396	172 kW	230 hp
Max Engine Power (1,900 rpm) – ISO 14396 (metric)		234 hp
Max Net Power (1,900 rpm) – SAE J1349	157 kW	211 hp

Buckets		
Bucket Capacities	2.50 to 9.20 m^3	3.25 to 12.00 yd^3
Weights		
Operating Weight	19 425 kg	42,811 lb

• For 3.1 m^3 (4.0 yd^3) general purpose buckets with BOCE.

950K 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 convex windshield 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 950K 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

The Cat® 950K 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 950K 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

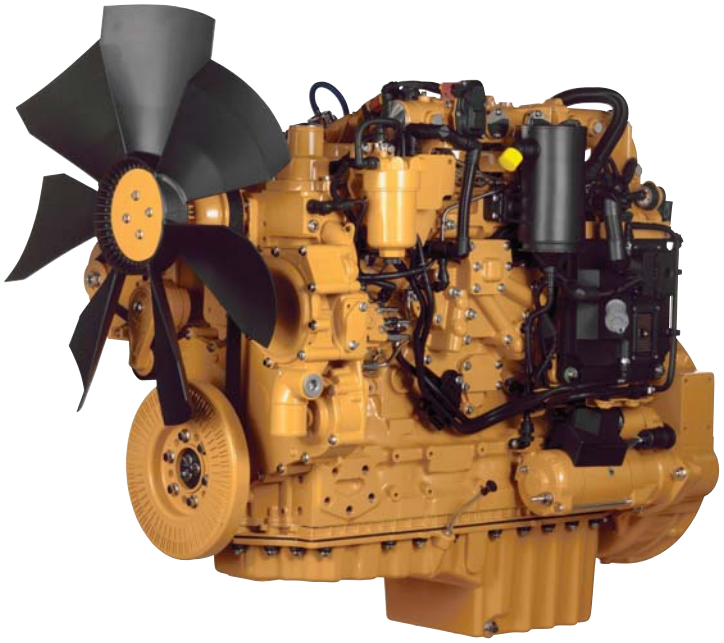
Monitoring product health is key to maintaining reliability of any equipment. Many programs offered by Caterpillar make the tracking of the customer's machine health quick and easy. These programs include Product Link, VisionLink™, and S·O·S℠ Services.

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℠) 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 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 950K 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 ±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 950K 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 950K 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

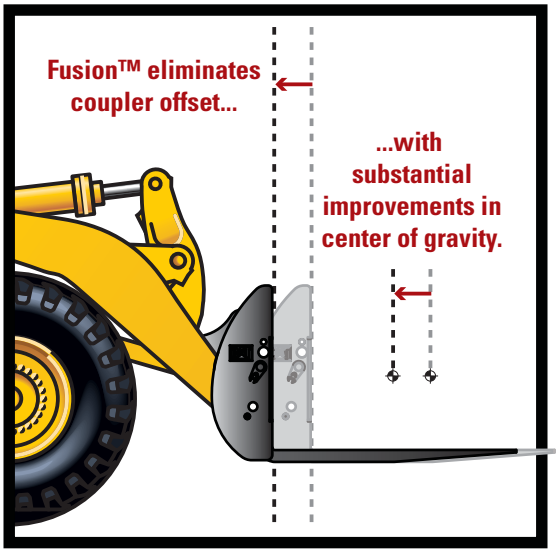
Fusion is the patented wheel loader coupler system from Caterpillar. The Fusion Coupler System provides performance virtually identical to pin on – with all the flexibility of a quick coupler system. The Fusion Coupler sits back, close-in to the loader arms – minimizing offset and increasing the machine's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



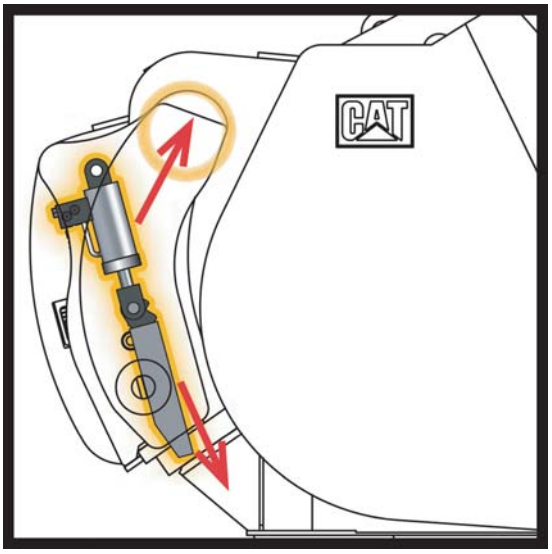
Enhanced Visibility

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 950K 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 950K is designed for a large number of applications. The optimized Z-bar linkage enhancements enable the 950K 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 950K 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

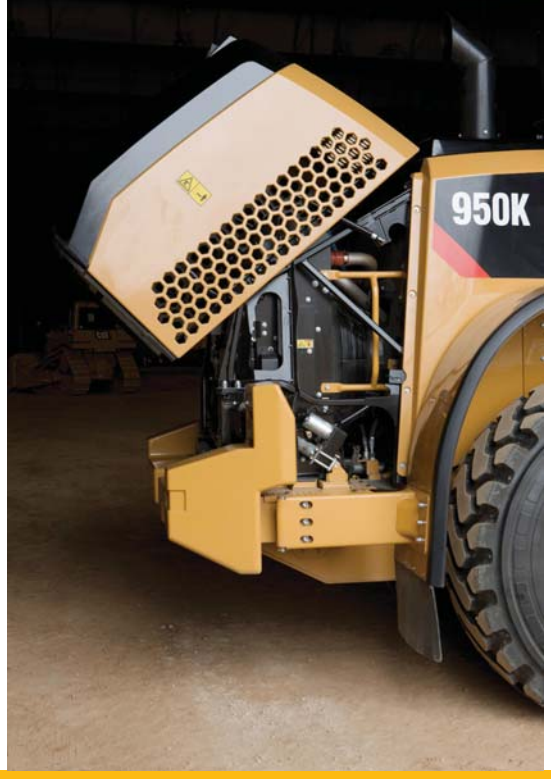
The new linkage provides greater tilt capacity throughout the entire lifting range, enhancing versatility in all material handling applications. The benefit is increased rated load capacity in non-bucket applications.

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 950K 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 950K 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 ± 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 950K 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℠ 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.
- **C7.1 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.

Engine

Engine Model	Cat® C7.1 ACERT™	
Max Gross Power (1,900 rpm) – SAE J1995	173 kW	232 hp
Max Gross Power (1,900 rpm) – SAE J1995 (metric)		234 hp
Max Net Power (1,900 rpm) – ISO 9249	157 kW	211 hp
Max Net Power (1,900 rpm) – ISO 9249 (metric)		213 hp
Max Net Power (1,900 rpm) – SAE J1349	157 kW	211 hp
Max Net Power (1,900 rpm) – SAE J1349 (metric)		213 hp
Max Net Power (1,900 rpm) – EEC 80/1269	157 kW	211 hp
Max Net Power (1,900 rpm) – EEC 80/1269 (metric)		213 hp
Max Engine Power (1,900 rpm) – ISO 14396	172 kW	230 hp
Max Engine Power (1,900 rpm) – ISO 14396 (metric)		234 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^3

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

Weights

Operating Weight	19 425 kg	42,811 lb

- For 3.1 m^3 (4.0 yd^3) general purpose buckets with BOCE.

Buckets

Bucket Capacities	2.50 to 9.20 m^3	3.25 to 12.00 yd^3

- Refer to bucket selection chart.

Operating Specifications

Static tipping load full 40° turn – ISO 14397-1*	11 008 kg	24,261 lb
Static tipping load full 40° turn – Rigid Tires**	11 774 kg	25,951 lb
Breakout Force	161 kN	36,203 lb

- For 3.1 m^3 (4.0 yd^3) 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 Pump Type	Piston	
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

950K 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".

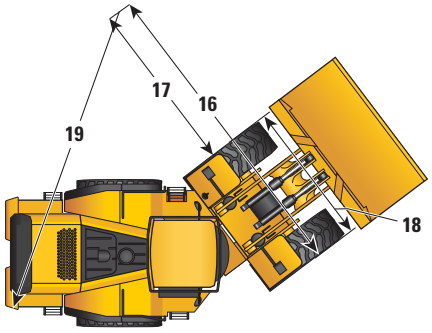
Service Refill Capacities

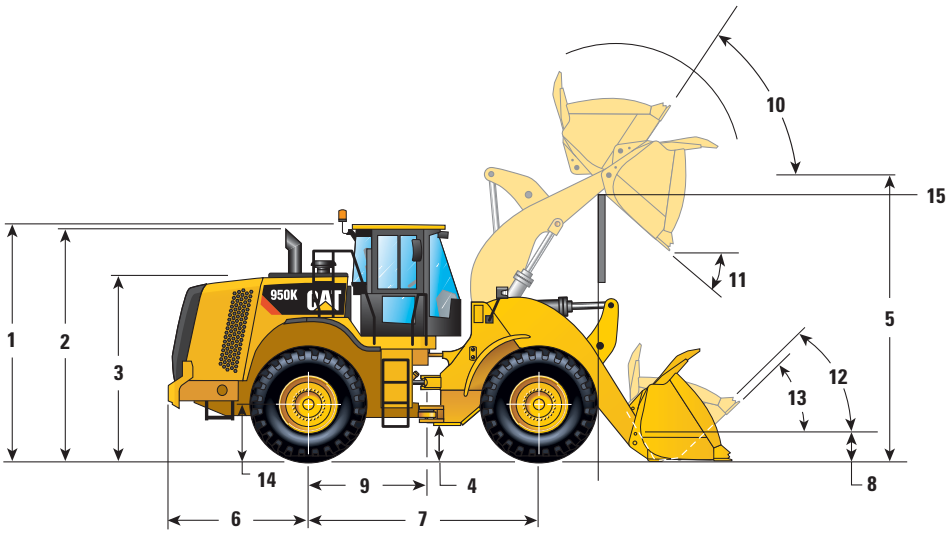
Fuel Tank – Standard	314 L	83 gal
Cooling System	60 L	15.9 gal
Crankcase	18 L	4.8 gal
Transmission	43 L	11.4 gal
Differentials and Final Drives – Front	43 L	11.4 gal
Differentials and Final Drives – Rear	43 L	11.4 gal
Hydraulic Tank	189 L	49.9 gal

- 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.





1	Height to Top of ROPS	3356 mm	11'0"
2	Height to Top of Exhaust Pipe	3099 mm	10'2"
3	Height to Top of Hood	2415 mm	7'11"
4	Ground Clearance	397 mm	1'3"
5	B-Pin Height – Standard	4021 mm	13'2"
	B-Pin Height – High-Lift	4526 mm	14'10"
6	Center Line of Rear Axle to Edge of Counterweight	1905 mm	6'3"
7	Wheelbase	3350 mm	10'11"
8	B-Pin Height @ Carry – Standard	659 mm	26"
9	Center Line of Rear Axle to Hitch	1510 mm	4'11"
10	Rack Back @ Maximum Lift	59 degrees	
11	Dump Angle @ Maximum Lift	51 degrees	
12	Rack Back @ Carry	46 degrees	
13	Rack Back @ Ground	38 degrees	
14	Height to Center Line of Axle	746 mm	2'3"
15	Lift Arm Clearance	3275 mm	10'7"
	Lift Arm Clearance @ High Lift	3625 mm	11'9"

Turning Radius

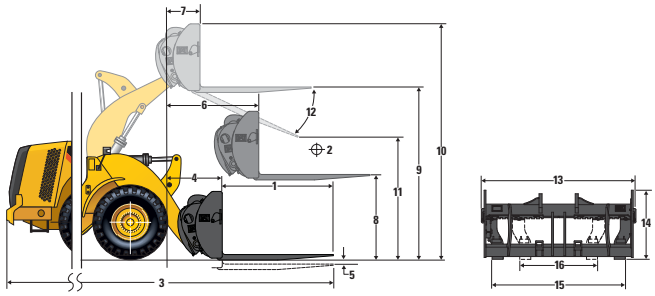
All dimensions are approximate and based on L3 Michelin XHA2 tires.

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

950K Wheel Loader Specifications

Dimensions

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



		950K Standard Linkage with Fusion Pallet Fork							
1	Tine Length	1219 mm	48.0"	1524 mm	60.0"	1829 mm	72.0"	2438 mm	96.0"
2	Load Center	610 mm	24.0"	762 mm	30.0"	915 mm	36.0"	1219 mm	48.0"
	Static Tipping Load – Straight (Forks Level)	9742 kg	21,471 lb	9232 kg	20,347 lb	8763 kg	19,313 lb	7924 kg	17,464 lb
	Static Tipping Load – Articulated (Forks Level)	8436 kg	18,592 lb	7985 kg	17,599 lb	7570 kg	16,685 lb	6827 kg	15,047 lb
	Rated Load (SAE J1197 – 50% FTSTL)	4218 kg	9,296 lb	3993 kg	8,800 lb	3785 kg	8,343 lb	3414 kg	7,523 lb
	Rated Load (CEN EN 474-3 Rough Terrain – 60% FTSTL)	5061 kg	11,155 lb	4791 kg	10,559 lb	4542 kg	10,011 lb	4096 kg	9,028 lb
	Rated Load (CEN EN 474-3 Firm and Level Ground – 80% FTSTL)	6749 kg	14,874 lb	6388 kg	14,079 lb	6056 kg	13,348 lb	5424 kg	11,954 lb
3	Maximum Overall Length	8469 mm	333.4"	8774 mm	345.4"	9079 mm	357.4"	9688 mm	381.4"
4	Reach with Forks at Ground Level	1189 mm	46.8"	1189 mm	46.8"	1189 mm	46.8"	1189 mm	46.8"
5	Ground to Top of Tine at Minimum Height and Fork Level	22 mm	0.9"	22 mm	0.9"	22 mm	0.9"	22 mm	0.9"
6	Reach with Arms Horizontal and Forks Level	1728 mm	68.0"	1728 mm	68.0"	1728 mm	68.0"	1728 mm	68.0"
7	Reach with Fork at Maximum Height	1013 mm	39.9"	1013 mm	39.9"	1013 mm	39.9"	1013 mm	39.9"
8	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"
9	Ground to Top of Tine at Maximum Height and Fork Level	3823 mm	150.5"	3823 mm	150.5"	3823 mm	150.5"	3823 mm	150.5"
10	Overall Height of Fork at Full Lift (top of carriage to ground)	4863 mm	191.5"	4863 mm	191.5"	4863 mm	191.5"	4863 mm	191.5"
11	Clearance at Full Lift and Maximum Dump	2535 mm	99.8"	2292 mm	90.2"	2049 mm	80.7"	1563 mm	61.5"
12	Maximum Discharge Angle from Horizontal	53 degrees		53 degrees		53 degrees		53 degrees	
13	Overall Carriage Width	2528 mm	99.5"	2528 mm	99.5"	2528 mm	99.5"	2528 mm	99.5"
14	Overall Carriage Height	1130 mm	44.5"	1130 mm	44.5"	1130 mm	44.5"	1130 mm	44.5"
15	Outside Tine Width (Maximum Spread)	2178 mm	85.7"	2178 mm	85.7"	2178 mm	85.7"	2178 mm	85.7"
16	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	19 382 kg	42,718 lb	19 445 kg	42,857 lb	19 507 kg	42,994 lb	19 632 kg	43,269 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.

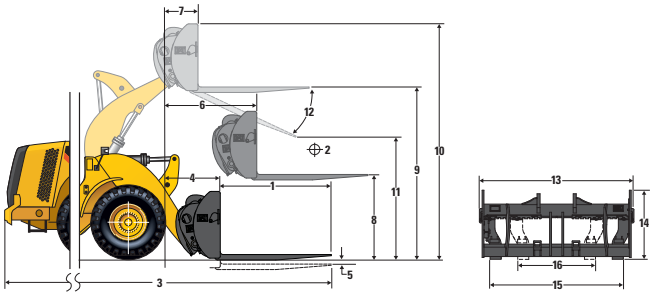
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE – Society of Automotive Engineers

**CEN – European Committee for Standardization

Dimensions

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



		950K Standard Linkage with Fusion Pallet Fork (Auxiliary Counterweight)							
1	Tine Length	1219 mm	48.0"	1524 mm	60.0"	1829 mm	72.0"	2438 mm	96.0"
2	Load Center	610 mm	24.0"	762 mm	30.0"	915 mm	36.0"	1219 mm	48.0"
	Static Tipping Load – Straight (Forks Level)	10 538 kg	23,226 lb	9993 kg	22,024 lb	9491 kg	20,918 lb	8595 kg	18,943 lb
	Static Tipping Load – Articulated (Forks Level)	9096 kg	20,046 lb	8615 kg	18,989 lb	8174 kg	18,016 lb	7383 kg	16,273 lb
	Rated Load (SAE J1197 – 50% FTSTL)	4548 kg	10,023 lb	4308 kg	9,494 lb	4087 kg	9,008 lb	3692 kg	8,137 lb
	Rated Load (CEN EN 474-3 Rough Terrain – 60% FTSTL)	5457 kg	12,028 lb	5169 kg	11,393 lb	4904 kg	10,809 lb	4430 kg	9,764 lb
	Rated Load (CEN EN 474-3 Firm and Level Ground – 80% FTSTL)	7276 kg	16,037 lb	6892 kg	15,191 lb	6539 kg	14,413 lb	5424 kg	11,954 lb
3	Maximum Overall Length	8619 mm	339.3"	8924 mm	351.3"	9229 mm	363.3"	9838 mm	387.3"
4	Reach with Forks at Ground Level	1189 mm	46.8"	1189 mm	46.8"	1189 mm	46.8"	1189 mm	46.8"
5	Ground to Top of Tine at Minimum Height and Fork Level	22 mm	0.9"	22 mm	0.9"	22 mm	0.9"	22 mm	0.9"
6	Reach with Arms Horizontal and Forks Level	1728 mm	68.0"	1728 mm	68.0"	1728 mm	68.0"	1728 mm	68.0"
7	Reach with Fork at Maximum Height	1013 mm	39.9"	1013 mm	39.9"	1013 mm	39.9"	1013 mm	39.9"
8	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"
9	Ground to Top of Tine at Maximum Height and Fork Level	3823 mm	150.5"	3823 mm	150.5"	3823 mm	150.5"	3823 mm	150.5"
10	Overall Height of Fork at Full Lift (top of carriage to ground)	4863 mm	191.5"	4863 mm	191.5"	4863 mm	191.5"	4863 mm	191.5"
11	Clearance at Full Lift and Maximum Dump	2535 mm	99.8"	2292 mm	90.2"	2049 mm	80.7"	1563 mm	61.5"
12	Maximum Discharge Angle from Horizontal	53 degrees		53 degrees		53 degrees		53 degrees	
13	Overall Carriage Width	2528 mm	99.5"	2528 mm	99.5"	2528 mm	99.5"	2528 mm	99.5"
14	Overall Carriage Height	1130 mm	44.5"	1130 mm	44.5"	1130 mm	44.5"	1130 mm	44.5"
15	Outside Tine Width (Maximum Spread)	2178 mm	85.7"	2178 mm	85.7"	2178 mm	85.7"	2178 mm	85.7"
16	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	19 881 kg	43,818 lb	19 944 kg	43,957 lb	20 006 kg	44,094 lb	20 131 kg	44,369 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

950K Wheel Loader Specifications

Operating Specifications

Bucket Type		General Purpose – Pin On					
Edge Type		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m^3	2.70	2.70	2.90	2.90	3.10	3.10
	yd^3	3.53	3.53	3.79	3.79	4.05	4.05
Capacity – Struck (§)	m^3	2.30	2.30	2.55	2.55	2.76	2.76
	yd^3	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	2975	2859	2919	2802	2876	2758
	ft/in	9'9"	9'4"	9'6"	9'2"	9'5"	9'0"
Reach at Maximum Lift and 45° Discharge (§)	mm	1356	1469	1395	1506	1429	1540
	ft/in	4'5"	4'9"	4'6"	4'11"	4'8"	5'0"
Reach at Level Lift Arm and Bucket Level (§)	mm	2562	2723	2631	2792	2688	2849
	ft/in	8'4"	8'11"	8'7"	9'1"	8'9"	9'4"
Digging Depth (§)	mm	90	90	90	90	90	90
	in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Overall Length	mm	8036	8209	8105	8278	8162	8335
	ft/in	26'5"	27'0"	26'8"	27'2"	26'10"	27'5"
Overall Height with Bucket at Maximum Lift	mm	5392	5392	5464	5464	5525	5525
	ft/in	17'9"	17'9"	18'0"	18'0"	18'2"	18'2"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 689	13 856	13 729	13 897	13 762	13 931
	ft/in	44'11"	45'6"	45'1"	45'8"	45'2"	45'9"
Static Tipping Load, Straight (ISO)*	kg	12 974	12 836	12 833	12 694	12 740	12 600
	lb	28,596	28,291	28,285	27,977	28,081	27,770
Static Tipping Load, Straight (Rigid Tire)*	kg	13 719	13 580	13 582	13 441	13 493	13 350
	lb	30,238	29,930	29,935	29,624	29,739	29,425
Static Tipping Load, Articulated (ISO)*	kg	11 230	11 092	11 094	10 955	11 008	10 867
	lb	24,752	24,447	24,453	24,145	24,261	23,951
Static Tipping Load, Articulated (Rigid Tire)*	kg	11 990	11 850	11 857	11 716	11 774	11 632
	lb	26,427	26,119	26,134	25,823	25,951	25,637
Breakout Force** (§)	kN	180	178	169	167	161	159
	lb	40,442	40,157	37,997	37,715	36,203	35,922
Operating Weight*	kg	19 303	19 411	19 388	19 496	19 425	19 533
	lb	42,544	42,782	42,730	42,968	42,811	43,049

* 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					
Edge Type		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m^3	3.30	3.30	3.40	3.40	3.60	3.60
	yd^3	4.32	4.32	4.45	4.45	4.71	4.71
Capacity – Struck (§)	m^3	2.94	2.94	3.04	3.04	3.18	3.18
	yd^3	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	2838	2719	2819	2700	2793	2673
	ft/in	9'3"	8'11"	9'3"	8'10"	9'1"	8'9"
Reach at Maximum Lift and 45° Discharge (§)	mm	1458	1568	1473	1582	1495	1604
	ft/in	4'9"	5'1"	4'10"	5'2"	4'10"	5'3"
Reach at Level Lift Arm and Bucket Level (§)	mm	2737	2898	2761	2922	2796	2957
	ft/in	8'11"	9'6"	9'0"	9'7"	9'2"	9'8"
Digging Depth (§)	mm	90	90	90	90	90	90
	in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Overall Length	mm	8211	8384	8235	8408	8270	8443
	ft/in	27'0"	27'7"	27'1"	27'8"	27'2"	27'9"
Overall Height with Bucket at Maximum Lift	mm	5571	5571	5597	5597	5630	5630
	ft/in	18'4"	18'4"	18'5"	18'5"	18'6"	18'6"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 791	13 961	13 805	13 975	13 826	13 997
	ft/in	45'3"	45'10"	45'4"	45'11"	45'5"	46'0"
Static Tipping Load, Straight (ISO)*	kg	12 620	12 478	12 577	12 434	12 506	12 363
	lb	27,815	27,503	27,719	27,406	27,564	27,249
Static Tipping Load, Straight (Rigid Tire)*	kg	13 374	13 231	13 332	13 188	13 263	13 118
	lb	29,477	29,161	29,384	29,067	29,232	28,914
Static Tipping Load, Articulated (ISO)*	kg	10 892	10 750	10 850	10 708	10 783	10 640
	lb	24,006	23,694	23,915	23,601	23,767	23,452
Static Tipping Load, Articulated (Rigid Tire)*	kg	11 660	11 517	11 620	11 476	11 554	11 410
	lb	25,700	25,384	25,611	25,294	25,467	25,148
Breakout Force** (§)	kN	154	153	151	150	147	146
	lb	34,742	34,463	34,071	33,792	33,133	32,855
Operating Weight*	kg	19 494	19 602	19 518	19 626	19 554	19 662
	lb	42,964	43,202	43,017	43,255	43,097	43,335

* 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.

950K Wheel Loader Specifications

Operating Specifications

Bucket Type		General Purpose – Pin On		Material Handling – Pin On			
Edge Type		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m^3	3.80	3.80	2.70	2.70	2.90	2.90
	yd^3	4.97	4.97	3.53	3.53	3.79	3.79
Capacity – Struck (§)	m^3	3.36	3.36	2.32	2.32	2.52	2.52
	yd^3	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	2758	2638	2896	2770	2853	2728
	ft/in	9'0"	8'7"	9'6"	9'1"	9'4"	8'11"
Reach at Maximum Lift and 45° Discharge (§)	mm	1524	1632	1272	1374	1314	1416
	ft/in	5'0"	5'4"	4'2"	4'6"	4'3"	4'7"
Reach at Level Lift Arm and Bucket Level (§)	mm	2842	3003	2581	2742	2641	2802
	ft/in	9'3"	9'10"	8'5"	8'11"	8'8"	9'2"
Digging Depth (§)	mm	90	90	90	90	90	90
	in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Overall Length	mm	8316	8489	8055	8228	8115	8288
	ft/in	27'4"	27'11"	26'6"	27'0"	26'8"	27'3"
Overall Height with Bucket at Maximum Lift	mm	5678	5678	5618	5618	4975	4975
	ft/in	18'8"	18'8"	18'6"	18'6"	16'4"	16'4"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 854	14 025	13 700	13 868	13 734	13 903
	ft/in	45'6"	46'1"	45'0"	45'6"	45'1"	45'8"
Static Tipping Load, Straight (ISO)*	kg	12 407	12 263	12 803	12 666	12 688	12 550
	lb	27,345	27,028	28,219	27,916	27,965	27,660
Static Tipping Load, Straight (Rigid Tire)*	kg	13 165	13 020	13 531	13 392	13 419	13 279
	lb	29,017	28,697	29,823	29,517	29,575	29,267
Static Tipping Load, Articulated (ISO)*	kg	10 688	10 545	11 078	10 941	10 969	10 831
	lb	23,558	23,241	24,417	24,115	24,177	23,871
Static Tipping Load, Articulated (Rigid Tire)*	kg	11 461	11 316	11 821	11 683	11 715	11 575
	lb	25,261	24,941	26,054	25,749	25,820	25,512
Breakout Force** (§)	kN	142	141	176	175	167	166
	lb	31,963	31,687	39,722	39,437	37,667	37,384
Operating Weight*	kg	19 609	19 717	19 326	19 434	19 382	19 490
	lb	43,218	43,456	42,593	42,831	42,717	42,955

* 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					
Edge Type		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m^3	3.10	3.10	3.30	3.30	3.40	3.40
	yd^3	4.05	4.05	4.32	4.32	4.45	4.45
Capacity – Struck (§)	m^3	2.61	2.61	2.78	2.78	2.92	2.92
	yd^3	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	2821	2696	2789	2664	2761	2636
	ft/in	9'3"	8'10"	9'1"	8'8"	9'0"	8'7"
Reach at Maximum Lift and 45° Discharge (§)	mm	1346	1448	1378	1480	1406	1508
	ft/in	4'5"	4'9"	4'6"	4'10"	4'7"	4'11"
Reach at Level Lift Arm and Bucket Level (§)	mm	2686	2847	2731	2892	2771	2932
	ft/in	8'9"	9'4"	8'11"	9'5"	9'1"	9'7"
Digging Depth (§)	mm	90	90	90	90	90	90
	in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Overall Length	mm	8160	8333	8205	8378	8245	8418
	ft/in	26'10"	27'5"	27'0"	27'6"	27'1"	27'8"
Overall Height with Bucket at Maximum Lift	mm	5483	5483	5527	5527	5566	5566
	ft/in	18'0"	18'0"	18'2"	18'2"	18'4"	18'4"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 761	13 930	13 787	13 957	13 811	13 981
	ft/in	45'2"	45'9"	45'3"	45'10"	45'4"	45'11"
Static Tipping Load, Straight (ISO)*	kg	12 595	12 456	12 504	12 364	12 426	12 285
	lb	27,760	27,453	27,560	27,251	27,387	27,076
Static Tipping Load, Straight (Rigid Tire)*	kg	13 328	13 187	13 239	13 097	13 162	13 019
	lb	29,375	29,065	29,178	28,866	29,009	28,695
Static Tipping Load, Articulated (ISO)*	kg	10 881	10 741	10 794	10 654	10 719	10 579
	lb	23,982	23,675	23,791	23,482	23,626	23,316
Static Tipping Load, Articulated (Rigid Tire)*	kg	11 628	11 487	11 543	11 402	11 470	11 328
	lb	25,629	25,319	25,442	25,130	25,282	24,968
Breakout Force** (§)	kN	161	160	155	154	150	149
	lb	36,235	35,954	34,901	34,621	33,788	33,510
Operating Weight*	kg	19 432	19 540	19 480	19 588	19 520	19 628
	lb	42,827	43,065	42,933	43,171	43,021	43,259

* 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.

950K Wheel Loader Specifications

Operating Specifications

Bucket Type		Material Handling – Pin On				Heavy Duty Material Handling – Pin On	
Edge Type		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	3.80	3.80	3.30	3.30
	yd^3	4.71	4.71	4.97	4.97	4.32	4.32
Capacity – Struck (§)	m^3	3.15	3.15	3.28	3.28	2.78	2.78
	yd^3	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	2729	2604	2693	2568	2789	2664
	ft/in	8'11"	8'6"	8'10"	8'5"	9'1"	8'8"
Reach at Maximum Lift and 45° Discharge (§)	mm	1438	1540	1474	1576	1378	1480
	ft/in	4'8"	5'0"	4'10"	5'2"	4'6"	4'10"
Reach at Level Lift Arm and Bucket Level (§)	mm	2816	2977	2867	3028	2731	2892
	ft/in	9'2"	9'9"	9'4"	9'11"	8'11"	9'5"
Digging Depth (§)	mm	90	90	90	90	90	90
	in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Overall Length	mm	8290	8463	8341	8514	8205	8378
	ft/in	27'3"	27'10"	27'5"	28'0"	27'0"	27'6"
Overall Height with Bucket at Maximum Lift	mm	5614	5614	5662	5662	5536	5536
	ft/in	18'6"	18'6"	18'7"	18'7"	18'2"	18'2"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 838	14 009	13 869	14 041	13 787	13 957
	ft/in	45'5"	46'0"	45'6"	46'1"	45'3"	45'10"
Static Tipping Load, Straight (ISO)*	kg	12 338	12 196	12 236	12 093	12 429	12 287
	lb	27,194	26,882	26,969	26,654	27,395	27,081
Static Tipping Load, Straight (Rigid Tire)*	kg	13 076	12 933	12 976	12 832	13 164	13 020
	lb	28,820	28,504	28,599	28,281	29,014	28,696
Static Tipping Load, Articulated (ISO)*	kg	10 636	10 495	10 539	10 396	10 719	10 577
	lb	23,443	23,131	23,228	22,914	23,626	23,312
Static Tipping Load, Articulated (Rigid Tire)*	kg	11 389	11 246	11 294	11 150	11 469	11 325
	lb	25,102	24,787	24,892	24,574	25,278	24,961
Breakout Force** (§)	kN	145	143	139	138	154	153
	lb	32,610	32,333	31,355	31,079	34,775	34,485
Operating Weight*	kg	19 564	19 672	19 618	19 726	19 551	19 659
	lb	43,118	43,356	43,237	43,475	43,089	43,327

* 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		Heavy Duty Material Handling – Pin On					
Edge Type		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m^3	3.40	3.40	3.60	3.60	3.80	3.80
	yd^3	4.45	4.45	4.71	4.71	4.97	4.97
Capacity – Struck (§)	m^3	3.03	3.03	3.20	3.20	3.28	3.28
	yd^3	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	2761	2636	2726	2600	2693	2568
	ft/in	9'0"	8'7"	8'11"	8'6"	8'10"	8'5"
Reach at Maximum Lift and 45° Discharge (§)	mm	1406	1508	1442	1544	1474	1576
	ft/in	4'7"	4'11"	4'8"	5'0"	4'10"	5'2"
Reach at Level Lift Arm and Bucket Level (§)	mm	2771	2932	2821	2982	2867	3028
	ft/in	9'1"	9'7"	9'3"	9'9"	9'4"	9'11"
Digging Depth (§)	mm	90	90	90	90	90	90
	in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Overall Length	mm	8245	8418	8295	8468	8341	8514
	ft/in	27'1"	27'8"	27'3"	27'10"	27'5"	28'0"
Overall Height with Bucket at Maximum Lift	mm	5575	5575	5621	5621	5649	5649
	ft/in	18'4"	18'4"	18'6"	18'6"	18'7"	18'7"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 811	13 981	13 841	14 012	13 869	14 041
	ft/in	45'4"	45'11"	45'5"	46'0"	45'6"	46'1"
Static Tipping Load, Straight (ISO)*	kg	12 311	12 168	12 206	12 062	12 113	11 968
	lb	27,134	26,819	26,903	26,585	26,698	26,379
Static Tipping Load, Straight (Rigid Tire)*	kg	13 047	12 902	12 943	12 798	12 853	12 706
	lb	28,757	28,438	28,528	28,207	28,328	28,005
Static Tipping Load, Articulated (ISO)*	kg	10 605	10 461	10 505	10 361	10 416	10 271
	lb	23,373	23,058	23,153	22,836	22,958	22,638
Static Tipping Load, Articulated (Rigid Tire)*	kg	11 356	11 211	11 257	11 112	11 170	11 024
	lb	25,029	24,709	24,812	24,490	24,620	24,297
Breakout Force** (§)	kN	149	148	143	142	138	137
	lb	33,621	33,333	32,311	32,025	31,179	30,894
Operating Weight*	kg	19 628	19 736	19 680	19 788	19 729	19 837
	lb	43,259	43,497	43,373	43,612	43,481	43,720

* 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.

950K Wheel Loader Specifications

Operating Specifications

Bucket Type		General Purpose – Fusion QC					
Edge Type		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m^3	2.70	2.70	2.90	2.90	3.10	3.10
	yd^3	3.53	3.53	3.79	3.79	4.05	4.05
Capacity – Struck (§)	m^3	2.30	2.30	2.55	2.55	2.76	2.76
	yd^3	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	2936	2820	2880	2763	2837	2718
	ft/in	9'7"	9'3"	9'5"	9'0"	9'3"	8'11"
Reach at Maximum Lift and 45° Discharge (§)	mm	1402	1516	1440	1552	1475	1585
	ft/in	4'7"	4'11"	4'8"	5'1"	4'10"	5'2"
Reach at Level Lift Arm and Bucket Level (§)	mm	2622	2783	2691	2852	2748	2909
	ft/in	8'7"	9'1"	8'9"	9'4"	9'0"	9'6"
Digging Depth (§)	mm	90	90	90	90	90	90
	in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Overall Length	mm	8096	8269	8165	8338	8222	8395
	ft/in	26'7"	27'2"	26'10"	27'5"	27'0"	27'7"
Overall Height with Bucket at Maximum Lift	mm	5424	5424	5497	5497	5558	5558
	ft/in	17'10"	17'10"	18'1"	18'1"	18'3"	18'3"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 714	13 884	13 755	13 926	13 789	13 961
	ft/in	45'0"	45'7"	45'2"	45'9"	45'3"	45'10"
Static Tipping Load, Straight (ISO)*	kg	12 379	12 241	12 265	12 125	12 155	12 015
	lb	27,283	26,979	27,032	26,725	26,790	26,481
Static Tipping Load, Straight (Rigid Tire)*	kg	13 113	12 974	13 003	12 862	12 896	12 754
	lb	28,903	28,596	28,659	28,349	28,423	28,111
Static Tipping Load, Articulated (ISO)*	kg	10 661	10 523	10 552	10 413	10 448	10 308
	lb	23,497	23,194	23,257	22,950	23,029	22,720
Static Tipping Load, Articulated (Rigid Tire)*	kg	11 411	11 271	11 305	11 164	11 204	11 062
	lb	25,150	24,843	24,917	24,606	24,694	24,382
Breakout Force** (§)	kN	170	169	160	159	153	152
	lb	38,308	38,025	36,105	35,825	34,451	34,172
Operating Weight*	kg	19 778	19 886	19 840	19 948	19 894	20 002
	lb	43,589	43,827	43,727	43,965	43,847	44,085

* 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					
Edge Type		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m^3	3.30	3.30	3.40	3.40	3.60	3.60
	yd^3	4.32	4.32	4.45	4.45	4.71	4.71
Capacity – Struck (§)	m^3	2.94	2.94	3.04	3.04	3.18	3.18
	yd^3	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	2798	2679	2779	2660	2753	2633
	ft/in	9'2"	8'9"	9'1"	8'8"	9'0"	8'7"
Reach at Maximum Lift and 45° Discharge (§)	mm	1503	1613	1518	1627	1539	1648
	ft/in	4'11"	5'3"	4'11"	5'4"	5'0"	5'4"
Reach at Level Lift Arm and Bucket Level (§)	mm	2797	2958	2821	2982	2856	3017
	ft/in	9'2"	9'8"	9'3"	9'9"	9'4"	9'10"
Digging Depth (§)	mm	90	90	90	90	90	90
	in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Overall Length	mm	8271	8444	8295	8468	8330	8503
	ft/in	27'2"	27'9"	27'3"	27'10"	27'4"	27'11"
Overall Height with Bucket at Maximum Lift	mm	5604	5604	5630	5630	5664	5664
	ft/in	18'5"	18'5"	18'6"	18'6"	18'7"	18'7"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 818	13 991	13 833	14 006	13 854	14 028
	ft/in	45'5"	45'11"	45'5"	46'0"	45'6"	46'1"
Static Tipping Load, Straight (ISO)*	kg	12 065	11 924	12 023	11 881	11 957	11 815
	lb	26,591	26,280	26,499	26,187	26,355	26,041
Static Tipping Load, Straight (Rigid Tire)*	kg	12 808	12 665	12 767	12 624	12 703	12 559
	lb	28,230	27,915	28,139	27,823	27,998	27,681
Static Tipping Load, Articulated (ISO)*	kg	10 363	10 221	10 322	10 181	10 260	10 118
	lb	22,840	22,529	22,751	22,439	22,614	22,301
Static Tipping Load, Articulated (Rigid Tire)*	kg	11 120	10 978	11 081	10 938	11 021	10 877
	lb	24,510	24,196	24,424	24,108	24,290	23,973
Breakout Force** (§)	kN	147	146	144	143	140	139
	lb	33,132	32,855	32,517	32,240	31,655	31,379
Operating Weight*	kg	19 941	20 049	19 964	20 072	19 998	20 106
	lb	43,949	44,187	44,001	44,239	44,076	44,314

* 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.

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

950K Wheel Loader Specifications

Operating Specifications

Bucket Type		General Purpose – Fusion QC		Material Handling – Fusion QC			
Edge Type		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m^3	3.80	3.80	2.70	2.70	2.90	2.90
	yd^3	4.97	4.97	3.53	3.53	3.79	3.79
Capacity – Struck (§)	m^3	3.36	3.36	2.20	2.20	2.40	2.40
	yd^3	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	2718	2598	2853	2728	2811	2685
	ft/in	8'11"	8'6"	9'4"	8'11"	9'2"	8'9"
Reach at Maximum Lift and 45° Discharge (§)	mm	1568	1677	1314	1416	1357	1459
	ft/in	5'1"	5'6"	4'3"	4'7"	4'5"	4'9"
Reach at Level Lift Arm and Bucket Level (§)	mm	2902	3063	2641	2802	2701	2862
	ft/in	9'6"	10'0"	8'8"	9'2"	8'10"	9'4"
Digging Depth (§)	mm	90	90	90	90	90	90
	in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Overall Length	mm	8376	8549	8115	8288	8175	8348
	ft/in	27'6"	28'1"	26'8"	27'3"	26'10"	27'5"
Overall Height with Bucket at Maximum Lift	mm	5711	5711	5418	5418	5480	5480
	ft/in	18'9"	18'9"	17'10"	17'10"	18'0"	18'0"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 883	14 057	13 725	13 895	13 761	13 932
	ft/in	45'7"	46'2"	45'1"	45'8"	45'2"	45'9"
Static Tipping Load, Straight (ISO)*	kg	11 871	11 728	12 234	12 097	12 130	11 992
	lb	26,165	25,849	26,965	26,663	26,734	26,430
Static Tipping Load, Straight (Rigid Tire)*	kg	12 619	12 474	12 953	12 815	12 851	12 711
	lb	27,813	27,494	28,548	28,244	28,323	28,016
Static Tipping Load, Articulated (ISO)*	kg	10 178	10 035	10 535	10 398	10 436	10 298
	lb	22,434	22,118	23,220	22,918	23,001	22,697
Static Tipping Load, Articulated (Rigid Tire)*	kg	10 941	10 796	11 269	11 131	11 172	11 033
	lb	24,114	23,795	24,837	24,533	24,624	24,317
Breakout Force** (§)	kN	136	134	167	166	159	158
	lb	30,581	30,306	37,672	37,389	35,805	35,524
Operating Weight*	kg	20 043	20 151	19 784	19 892	19 836	19 944
	lb	44,175	44,413	43,602	43,840	43,717	43,955

* 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					
Edge Type		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments
Capacity – Rated (§)	m^3	3.10	3.10	3.30	3.30	3.40	3.40
	yd^3	4.05	4.05	4.32	4.32	4.45	4.45
Capacity – Struck (§)	m^3	2.61	2.61	2.78	2.78	2.92	2.92
	yd^3	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	2779	2653	2747	2622	2719	2593
	ft/in	9'1"	8'8"	9'0"	8'7"	8'11"	8'6"
Reach at Maximum Lift and 45° Discharge (§)	mm	1389	1491	1420	1523	1449	1551
	ft/in	4'6"	4'10"	4'7"	4'11"	4'9"	5'1"
Reach at Level Lift Arm and Bucket Level (§)	mm	2746	2907	2791	2952	2831	2992
	ft/in	9'0"	9'6"	9'1"	9'8"	9'3"	9'9"
Digging Depth (§)	mm	90	90	90	90	90	90
	in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Overall Length	mm	8220	8393	8265	8438	8305	8478
	ft/in	27'0"	27'7"	27'2"	27'9"	27'3"	27'10"
Overall Height with Bucket at Maximum Lift	mm	5517	5517	5561	5561	5600	5600
	ft/in	18'2"	18'2"	18'3"	18'3"	18'5"	18'5"
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 788	13 959	13 815	13 987	13 839	14 012
	ft/in	45'3"	45'10"	45'4"	45'11"	45'5"	46'0"
Static Tipping Load, Straight (ISO)*	kg	12 038	11 899	11 952	11 812	11 881	11 740
	lb	26,533	26,227	26,342	26,034	26,186	25,876
Static Tipping Load, Straight (Rigid Tire)*	kg	12 761	12 621	12 676	12 535	12 607	12 465
	lb	28,125	27,816	27,938	27,627	27,786	27,474
Static Tipping Load, Articulated (ISO)*	kg	10 349	10 210	10 267	10 127	10 199	10 059
	lb	22,809	22,504	22,629	22,321	22,480	22,171
Static Tipping Load, Articulated (Rigid Tire)*	kg	11 087	10 947	11 006	10 865	10 941	10 799
	lb	24,436	24,127	24,259	23,948	24,114	23,802
Breakout Force** (§)	kN	153	152	148	146	143	142
	lb	34,496	34,217	33,277	32,999	32,256	31,979
Operating Weight*	kg	19 885	19 993	19 929	20 037	19 967	20 075
	lb	43,825	44,063	43,922	44,160	44,006	44,244

* 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.

950K Wheel Loader Specifications

Operating Specifications

Bucket Type		Material Handling – Fusion QC					
Edge Type		Bolt-On Edges	Teeth and Segments	Bolt-On Edges	Teeth and Segments	High Lift Change in Specs	Auxiliary Counterweight Change in Specs
Capacity – Rated (§)	m^3	3.60	3.60	3.80	3.80		
	yd^3	4.71	4.71	4.97	4.97		
Capacity – Struck (§)	m^3	3.10	3.10	3.28	3.28		
	yd^3	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	2687	2561	2651	2525	505	
	ft/in	8'9"	8'4"	8'8"	8'3"	1'7"	
Reach at Maximum Lift and 45° Discharge (§)	mm	1480	1583	1517	1619	35	
	ft/in	4'10"	5'2"	4'11"	5'3"	0'1"	
Reach at Level Lift Arm and Bucket Level (§)	mm	2876	3037	2927	3088	374	
	ft/in	9'5"	9'11"	9'7"	10'1"	1'2"	
Digging Depth (§)	mm	90	90	90	90	4	
	in	3.5"	3.5"	3.5"	3.5"	0.1"	
Overall Length	mm	8350	8523	8401	8574	604	150
	ft/in	27'5"	28'0"	27'7"	28'2"	2'0"	0'6"
Overall Height with Bucket at Maximum Lift	mm	5643	5643	5697	5697	506	
	ft/in	18'7"	18'7"	18'9"	18'9"	1'8"	
Loader Clearance Circle with Bucket at Carry Position (§)	mm	13 867	14 040	13 898	14 073	393	
	ft/in	45'6"	46'1"	45'8"	46'3"	1'4"	
Static Tipping Load, Straight (ISO)*	kg	11 798	11 657	11 700	11 558	–1279	1035
	lb	26,004	25,693	25,787	25,474	–2,820	2,281
Static Tipping Load, Straight (Rigid Tire)*	kg	12 526	12 383	12 429	12 286	–1440	1109
	lb	27,608	27,293	27,394	27,078	–3,174	2,445
Static Tipping Load, Articulated (ISO)*	kg	10 122	9980	10 028	9886	–1190	854
	lb	22,309	21,998	22,101	21,788	–2,622	1,883
Static Tipping Load, Articulated (Rigid Tire)*	kg	10 864	10 722	10 772	10 629	–1341	933
	lb	23,946	23,631	23,743	23,426	–2,955	2,057
Breakout Force** (§)	kN	138	137	133	132	–8	
	lb	31,176	30,901	30,013	29,739	–1,812	
Operating Weight*	kg	20 007	20 115	20 061	20 169	602	499
	lb	44,094	44,332	44,213	44,451	1,326	1,100

* 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.

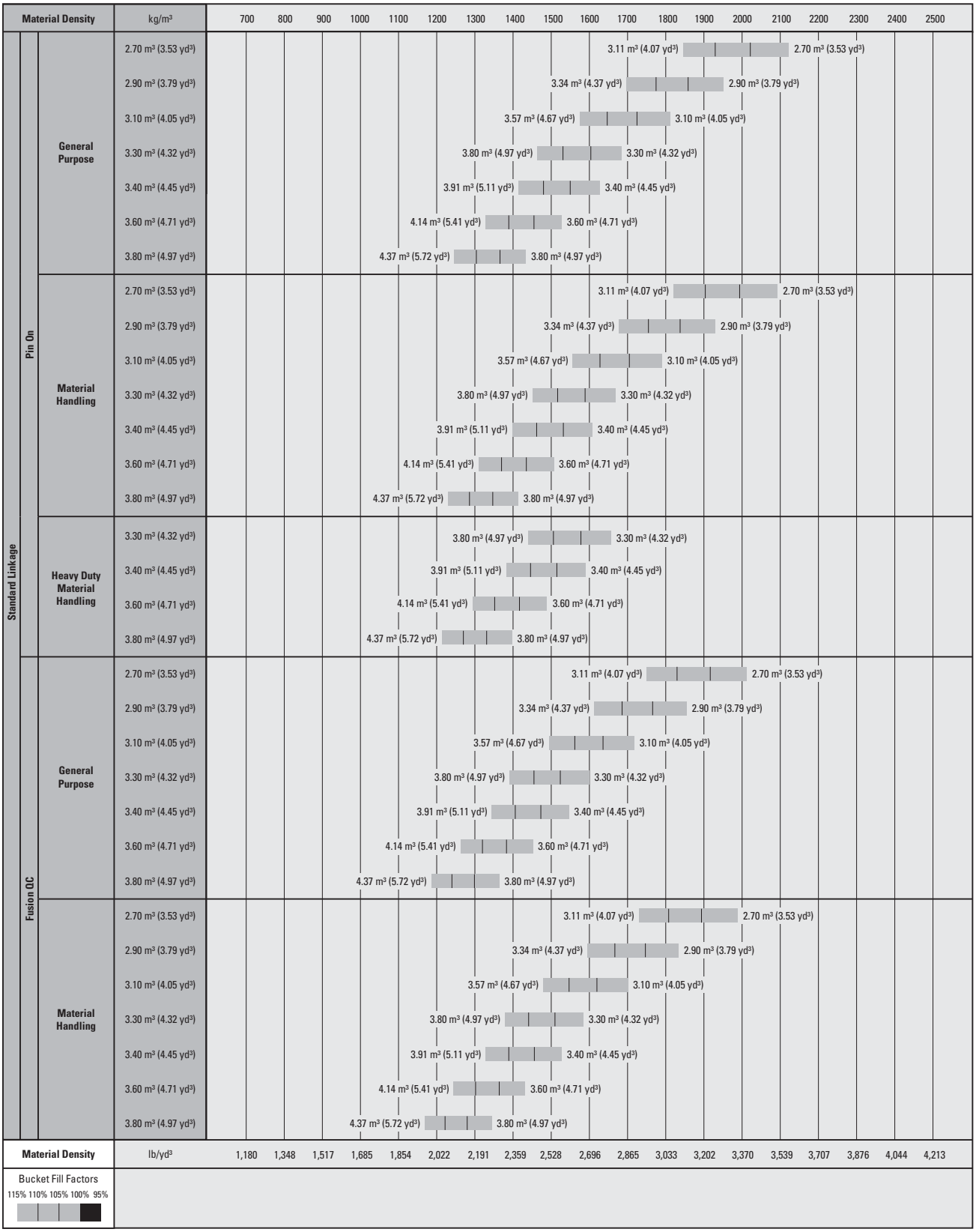
*** Rock bucket specifications are given on Michelin 23.5R25 XLDD2 L5 Radial tires.

(§) 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.

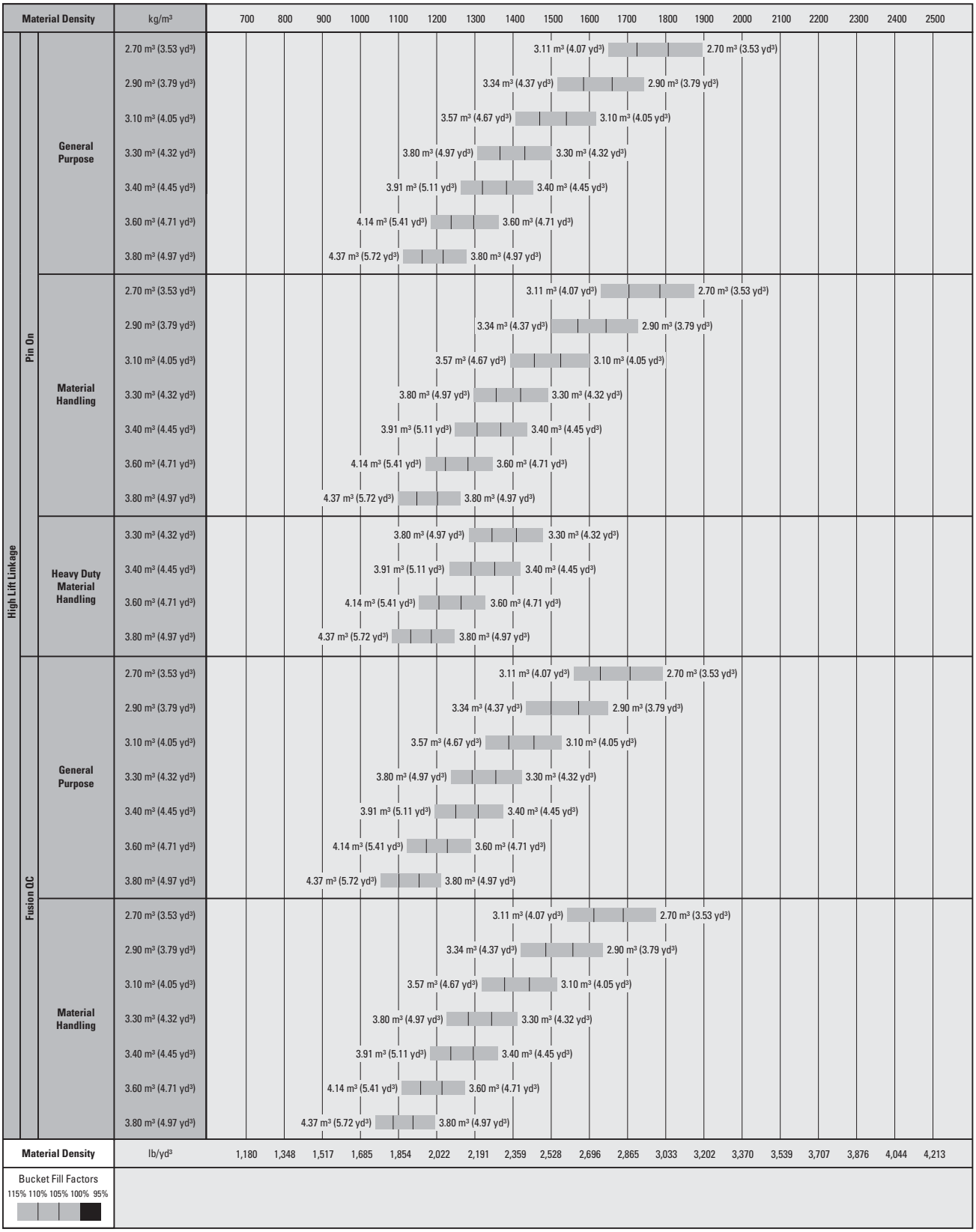
Bucket Selection Charts



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

950K Wheel Loader Specifications

Bucket Selection Charts



Note: 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

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

Change in Specifications

	Width over tires		Change in vertical dimensions		Change in operating weight		Change in static tipping load	
Tires	mm	in	mm	in	kg	lb	kg	lb
23.5R25 VJT BS E3/L3 Radial	2844	112	–31	–1.2	184	406	123	271
23.5R25 VMT BS L3 Radial	2797	110	2	0.1	200	441	133	293
750/65R25 VLT BS E3/L3 Radial	2947	116	–4	–0.2	744	1,640	496	1,093
23.5R25 XHA2 MX L3 Radial	2813	110	0	0	0	0	0	0
23.5R25 XLDD2 MX L5 Radial	2816	110	27	–1	608	1,340	405	893
23.5R25 XLD MX L3 Radial	2947	116	–5	–0.2	592	1,305	395	871
23.5R25 RT3B GY L3	2851	112	–2	–0.1	264	582	153	337

950K 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® 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° C (–29° 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

950K 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/4V
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)

950K Wheel Loader

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at **www.cat.com**

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

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(Europe and Countries Applying
EU Emissions Regulations)