

988K XE

Wheel Loader



Engine

| | | |
|-------------------------|---------------------------------------|------------------------|
| Engine Model | Cat® C18 ACERT™ | |
| Emissions | U.S. EPA Tier 4 Final/ EU Stage IV | |
| Gross Power – ISO 14396 | 432 kW | 580 hp |
| Net Power – SAE J1349 | 403 kW | 541 hp |
| Buckets | | |
| Bucket Capacities | 4.7-13 m ³ | 6.2-17 yd ³ |

Operating Specifications

| | | |
|--|-------------|------------|
| Rated Payload – Standard (face material) | 11.3 tonnes | 12.5 tons |
| Rated Payload – Standard (loose material) | 14.5 tonnes | 16 tons |
| Rated Payload – High Lift (face material) | 11.3 tonnes | 12.5 tons |
| Rated Payload – High Lift (loose material) | 14.5 tonnes | 16 tons |
| Operating Weight – Standard | 52 781 kg | 116,362 lb |
| Operating Weight – High Lift | 54 258 kg | 119,618 lb |

Lower your cost per ton with industry leading efficiency.

Contents

- Efficiency.....4
- Power Train.....6
- Structures.....8
- Hydraulics10
- Operator Station.....12
- Technology Solutions14
- Serviceability15
- Customer Support.....15
- Safety16
- Sustainability18
- System Match Efficiency.....19
- Bucket Ground Engaging Tools20
- Specifications.....22
- Standard Equipment.....30
- Optional Equipment.....31
- Mandatory Attachments.....32





Cat® Large Wheel Loaders are designed with durability built in, ensuring maximum availability through multiple life cycles. With optimized performance and simplified serviceability, our machines allow you to move more material efficiently and safely at a lower cost per ton.

Introduced in 1963, the 988 has been the industry leader for over 50 years, built on a legacy of reliability, performance, safety, operator comfort, serviceability, and productivity. The 988K XE brings improved sustainability and maximum efficiency to this machine platform.

Efficiency

Delivering fuel efficiency you demand through electric drive technology.





While the electric drive transmission replacement on the 988K enables the significant increase in efficiency, the axles and the driveline are the same as on the proven 988K mechanical drive.

Cat C18 ACERT™ Engine

The Cat C18 ACERT engine is built and tested to meet your most demanding applications while meeting Tier 4 Final/Stage IV emission standards.

- Fully integrated electronic engine controls works in concert with the entire machine to make your fuel go farther.
- Use less fuel idling with Engine Idle Shutdown.
- Maximized durability with Delayed Engine Shutdown.

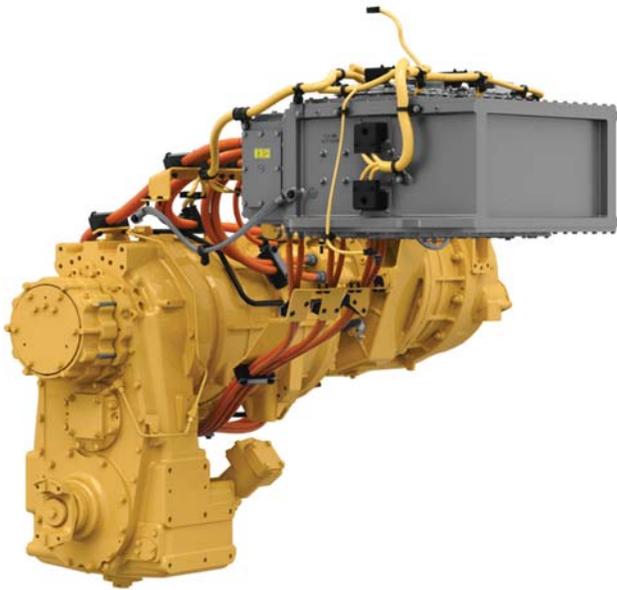


Fuel Efficiency

Enabling maximum productivity and efficiency, all day every day.

The 988K XE systems work hard to make you more efficient through advanced electric drive technology.

- Overall efficiency improvement of 25 percent.
- Efficiency improvement of up to 49 percent in tough applications.
- Up to a 10 percent increase in productivity in load and carry applications.

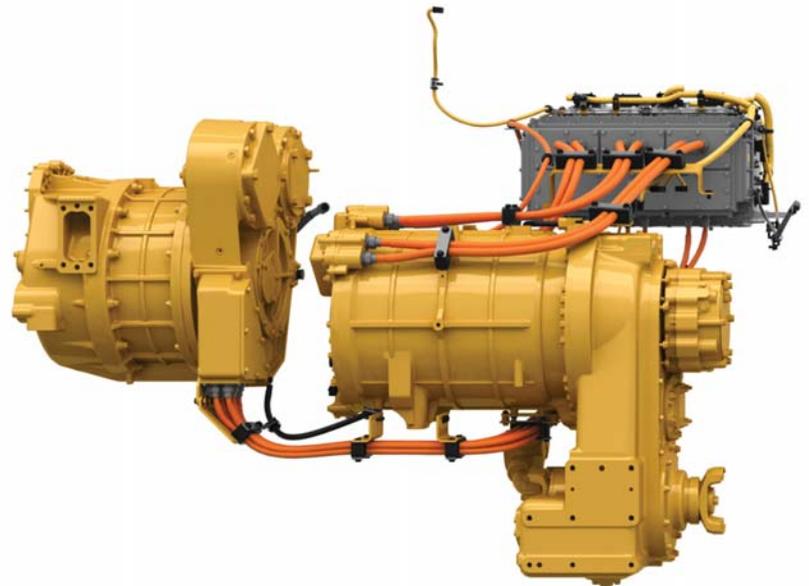


Cat Switched Reluctance Electric Drive System

- Continuously variable speed control up to maximum ground speed.
- Implemented virtual gears for machine controllability.
- Automatic retarding controls for maintaining speed on grade.
- Extended maintenance intervals over mechanical power trains.
- Fewer moving parts than traditional torque converter and mechanical transmission systems.
- Elimination of the shifting simplifies operator controls thus accelerating the learning curve of new operators.

Cat Switched Reluctance Electric Generator and Pump Drive

- Fewer moving parts than traditional torque converter systems.
- Extended maintenance intervals over mechanical power trains.
- Integrated controls provide power on demand.
- Integrated pump drive for seamless hydraulic performance.



Cat Integrated Powered Electronics

- Fully sealed to protect from the elements.
- Liquid cooled to extend component life.
- Solid state components maximize durability in extreme conditions.

Cat Switched Reluctance Electric Drive Motor

- Continuously variable speed control up to maximum ground speed.
- Implemented virtual gears for machine controllability.
- Automatic retarding controls for maintaining speed on grade.
- Extended maintenance intervals over mechanical power trains.

Steering and Transmission Integrated Control System (STIC™)

Experience maximum responsiveness and control with STIC that combines directional selection, virtual gears and steering into a single lever.

Power Train

Move material more efficiently with improved power and control.



Variable Torque Control and Rimpull Control System (RCS)

Lower your cost per ton utilizing advanced torque control and RCS for modulated rimpull.

- Reduce tire slippage and wear by modulating rimpull from 100 to 25 percent while depressing left pedal. After 25 percent rimpull is achieved the left pedal applies the brake.
- Reduce the potential for wheel slippage without reducing hydraulic efficiency with RCS.

Automatic Retarding Controls

- Maintain operator safety and efficiency by controlling speed on grade.
- Machine sets maximum allowable speed.
- Operator controls speed up to maximum allowed.

Structures

Best built for the toughest conditions.



Lift Arms

- Excellent visibility to the bucket edges and work area through a Z-bar design.
- High load stresses are absorbed by the solid steel lift arms.
- Enhance strength in key pin areas through the use of one piece castings.
- Stress relieved lift arms increase durability and lengthen time to repair.



Robust Structures

Your bottom line is improved by highly durable structures that achieve multiple life cycles and withstand the toughest loading conditions.

- Full box-section rear frame resists torsional shock and twisting forces.
- Heavy-duty steering cylinder mounts efficiently transmit steering loads into the frame.
- Axle mounting has been optimized for increased structural integrity.
- Lower hitch pin, frame plate, and bearing size have been increased for longer life.



Front Linkage

To ensure long life and reliability, the linkage pin joints feature a greased pin design with an auto lube system attachment available from the factory.



Hydraulics

Productivity enabling you to move more and make more.



Positive Flow Control Hydraulics

Increase efficiency through our Positive Flow Control (PFC) Hydraulic System. PFC has concurrent pump and valve control. By optimizing pump control, hydraulic oil flow is proportionate to implement lever movement.

- Fast, productive cycles are enabled by the fully variable implement pump.
- Increase bucket feel and control through increased hydraulic response.
- Consistent performance and efficiency with lower system heat.
- Full hydraulic flow down to 1,400 engine rpm enabled by flow sharing technology.

Electro Hydraulic Controls

Operators increase productivity with our responsive implements feature.

- Operate comfortably through electronically controlled hydraulic cylinder stops.
- Handle easy-to-use soft detent controls.
- Conveniently set automatic implement kickouts from inside the cab.

Steering System

Confident loader operation starts with precise machine control enabled by the 988K XE's load sensing hydraulic steering system.

- Increase efficiency with our variable displacement piston pumps.
- Achieve precise positioning for easy loading in tight areas with 43 degrees of steering articulation.
- Enhance operator comfort with integrated steering and transmission control functions.

Filtration System

Benefit from extended performance and reliability of your hydraulic system with our advanced filtration system.

- Case drain screens.
- Hydraulic oil cooler return filter.
- Pilot filter.
- In-tank return screens.
- Axle oil cooler screens if equipped.



Your operators can work more efficiently and stay comfortable with our customer-inspired cab features.

Entry and Exit

Enter and exit the cab easily and safely with these newly designed, ergonomic features.

- Fold up STIC steer/armrest.
- 45 degree access stairway angles.
- Standard stairway lighting.



Deluxe Operator Seat

Enhance comfort and helps reduce operator fatigue with Cat Comfort Series III seat.

- Heated and ventilated seat featuring leather seat bolster surfaces.
- High back design and extra thick, contoured cushions.
- Air suspension system.
- Easy-to-reach seat levers and controls for six way adjustments.
- Seat-mounted implement pod and STIC steer that moves with the seat.
- 76 mm (3 in) wide retractable seat belt.



Control Panel

Ergonomic placement of switches and information display keep your operators comfortable all day every day.

- Large backlit membrane switches feature LED activation indicators.
- Switches feature ISO symbols for quick function identification.
- Two position rocker switch activates the electro hydraulic park brake.

Operator Station

Best-in-class operator comfort and ergonomics.



Environment

Your operator's productivity is enhanced with our clean, comfortable cab environment.

- Experience reduced vibrations from isolated cab mounts and seat air suspension.
- Maintain desired cab temperature with automatic temperature controls.
- Pressurized cab with filtered air.
- Low operator sound levels.
- Convenient floor storage tray/lunch box.

Technology Solutions

Greater productivity through
Integrated Electronic Systems.

Integrated electronics provide flexible levels of information to both the site and the operator. This integration creates a smart machine and more informed operator, maximizing the productivity of both.

Information Display

We have worked hard to help our customers and operators perform at their best through our newly upgraded touch screen information display.

- Intuitive operation and easy navigation with our enhanced user interface.
- Decrease service time by keeping operators informed about machine systems.

Vital Information Management System (VIMS™)

Connect directly to the machine for access to a wide range of sensor information and enhanced machine data.

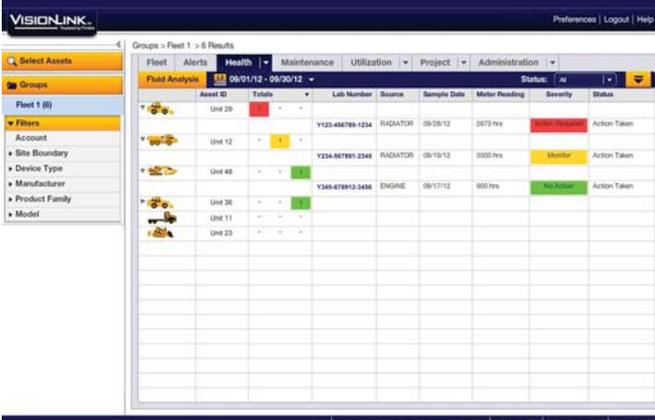
- Create productivity reports with payload and work cycle segmentation.
- Identify operator training needs through productivity data.
- Detailed data logging of machine parameters and diagnostic codes.
- Track machine sensor information with trend analysis and histograms to monitor machine health.

Tire Pressure Monitoring System (TPMS)

Tire pressure monitoring is a fully integrated feature which allows operators to monitor inflation of tires. Available through the Information Display, the operator can quickly see the current pressure settings and temperature of each tire.

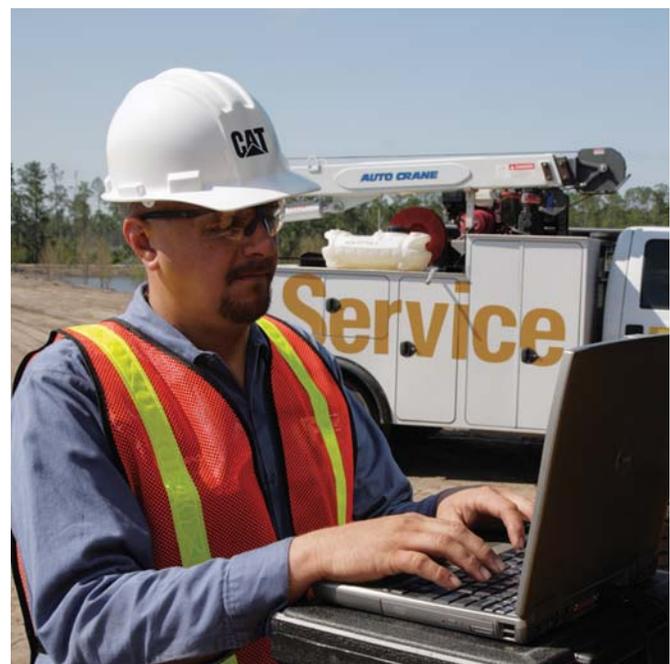
Cat Production Measurement (CPM)

Cat Production Measurement brings payload weighing to the cab so operators can work more productively and deliver accurate loads with confidence. CPM brings advanced weighing modes which assist with payload accuracy and speed the loading cycle.



The screenshot shows the VISIONLINK software interface. The top navigation bar includes 'VISIONLINK' and 'Preferences | Logout | Help'. Below the navigation bar, there are tabs for 'Fleet', 'Alerts', 'Health', 'Maintenance', 'Utilization', 'Project', and 'Administration'. The main content area displays a 'Fluid Analysis' table for 'Fleet 1' with 6 results. The table has columns for Asset ID, Totals, Lab Number, Source, Sample Date, Meter Reading, Severity, and Status. The data rows are as follows:

| Asset ID | Totals | Lab Number | Source | Sample Date | Meter Reading | Severity | Status |
|----------|--------|------------------|----------|-------------|---------------|-------------|--------------|
| Unit 25 | | Y123-456789-1234 | RADIATOR | 08/26/12 | 2873 hrs | Critical | Action Taken |
| Unit 12 | | Y234-567891-2345 | RADIATOR | 08/19/12 | 8500 hrs | Monitor | Action Taken |
| Unit 45 | | Y345-678912-3456 | ENGINE | 08/17/12 | 900 hrs | Test Action | Action Taken |
| Unit 30 | | | | | | | |
| Unit 11 | | | | | | | |
| Unit 23 | | | | | | | |

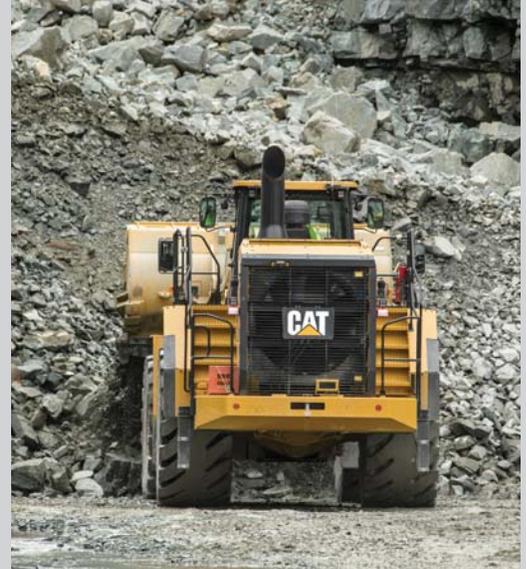


Serviceability

Enabling high uptime by reducing your service time.

We can help you succeed by ensuring your 988K XE has design features to reduce your downtime.

- Efficient electric drive design:
 - Increases engine life, extending time between power train rebuilds
 - Two times the life for power train oil and four times the life for filters
 - Reduces power train rebuild cost
- Durable SR drive motor, generator, and inverter are built to last through the second engine life, with only the motor and generator requiring the seals and bearings be replaced at the first engine overhaul.
- Hazardous voltage lamp to assure electric drive system is de-energized and machine is safe to work on.
- Safe and convenient service with ground level or platform access and grouped service points.
- Swing-out doors on both sides of the engine compartment provide easy access to important daily service checks.
- Ecology drains for ease of service and prevention of spills.
- Reduce downtime with VIMS system notifications so your operators and technicians can resolve any problems before failure.



Customer Support

Your Cat dealers know how to keep your machines productive.



Legendary Cat Dealer Support

A valued partner, your Cat dealer is available whenever you need them.

- Preventive maintenance programs and guaranteed maintenance contracts.
- Best-in-class parts availability.
- Improve your efficiency with operator training.
- Genuine Cat Remanufactured parts.

Safety

Making your safety our priority.



We are constantly improving our products in an effort to provide a safe work environment for the operator and those who work on your job site.

Machine Access

- Left and right hand stairs with 45 degree angle enhance safety for operators getting on and off the 988K XE.
- Continuous walkway with non-skid surfaces are designed into the service areas.
- Maintain three points of contact at all times through ground level or platform accessible service areas.



Visibility

- Optional heated mirrors ensure enhanced visibility for safe operation.
- Standard Cat Vision or optional Cat Detect with radar increase operator awareness around the machine.
- Optional HID or LED lights provide excellent workspace visibility.
- Optional cab mounted LED warning beacons.

Operator Environment

- Reduced vibrations to the operator with isolated cab mounts and seat mounted implement and steering controls.
- Low interior sound levels.
- Pressurized cab with filtered air.

Sustainability

Stewards of the environment.



Reducing the Impact to the Environment

Sustainability is designed and built into our 988K XE.

- Maintain the productivity of a 988K mechanical drive machine while operating 25 percent more efficiently.
- Economy Mode further reduces fuel consumption with minimal impact to productivity.
- Engine Idle Shutdown can help you save fuel by avoiding unnecessary idling.
- Reduce waste with our maintenance free batteries.
- Built for multiple lives, the Cat 988 is one of the most rebuilt products. To assist with maximizing machine life, Caterpillar provides a number of options such as our Reman and Certified Rebuild programs. In these programs, reused or remanufactured components can deliver cost savings of 40 to 70 percent, which lowers operating cost while reducing waste.
- Electric drive system maximizes consumable life, reducing oil and filter waste.

System Match Efficiency

Efficient loading/hauling system starts with a perfect match.



| | 770 | 772 | 773 | 775 |
|---------------|-----|-----|-----|-----|
| Standard Lift | 3 | 4 | | |
| High Lift | | | 5 | 6 |

Efficient Combination

For full truck payloads with minimum loading time, an efficient loading/hauling system starts with a perfect match. Cat wheel loaders are matched with Cat off-highway trucks to maximize volume of material moved at the lowest operating cost per ton. The 988K XE equipped with the standard linkage will pass match the 770 (36 tonnes/40 tons) in 3 passes and the 772 (45 tonnes/50 tons) in 4 passes. Equipped with a high lift linkage the 988K XE is capable of loading a 773 (56 tonnes/61.7 tons) in 5 passes and the 775 (64 tonnes/70 tons) in 6 passes.

Bucket Ground Engaging Tools

Protect your investment.

Enhance the productivity of your loader and protect your investment in buckets with our Ground Engaging Tools (GET). Your knowledgeable Cat dealer will work with you to understand your application and needs for the GET that is best for you.



1 – Rock Buckets

Designed for use in bank or face loading of limestone and other unprocessed rock. Application also includes truck and hopper loading for a wide range of quarry materials. GET includes spade nose cutting edge with adapters, half arrow segments, bottom wear plates, and sidebar protectors.

2 – Heavy Duty Rock Buckets

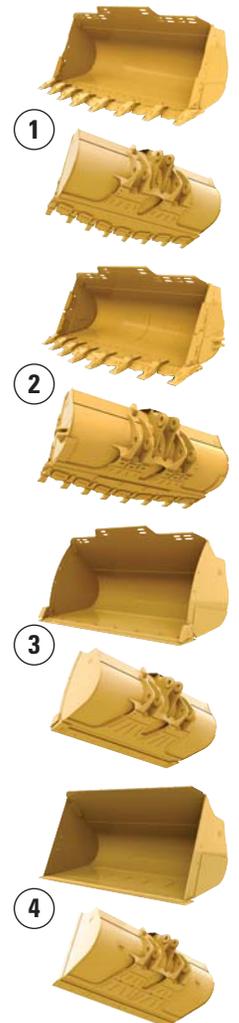
Designed for use in applications like face loading tightly compacted pit materials or handling materials of moderate abrasion and high impacts. GET are similar to the rock bucket with the addition of floor liner, half radius liners and bolt-on bottom edge wear plates. 20-series mechanically attached wear plates (MAWPS) are provided for additional wear protection and improved serviceability. Base edge end protection, ski plates, additional side wear plates, wings and an extra set of sidebar protectors are also included.

3 – General Purpose Buckets

Designed for use primarily in stockpiling, re-handling and aggregate applications. GET includes a straight base edge with a bolt-on cutting edge system. Curved sidebars are provided to aid in material retention on the 12.5 yard (9.6 cubic meters) aggregate bucket only.

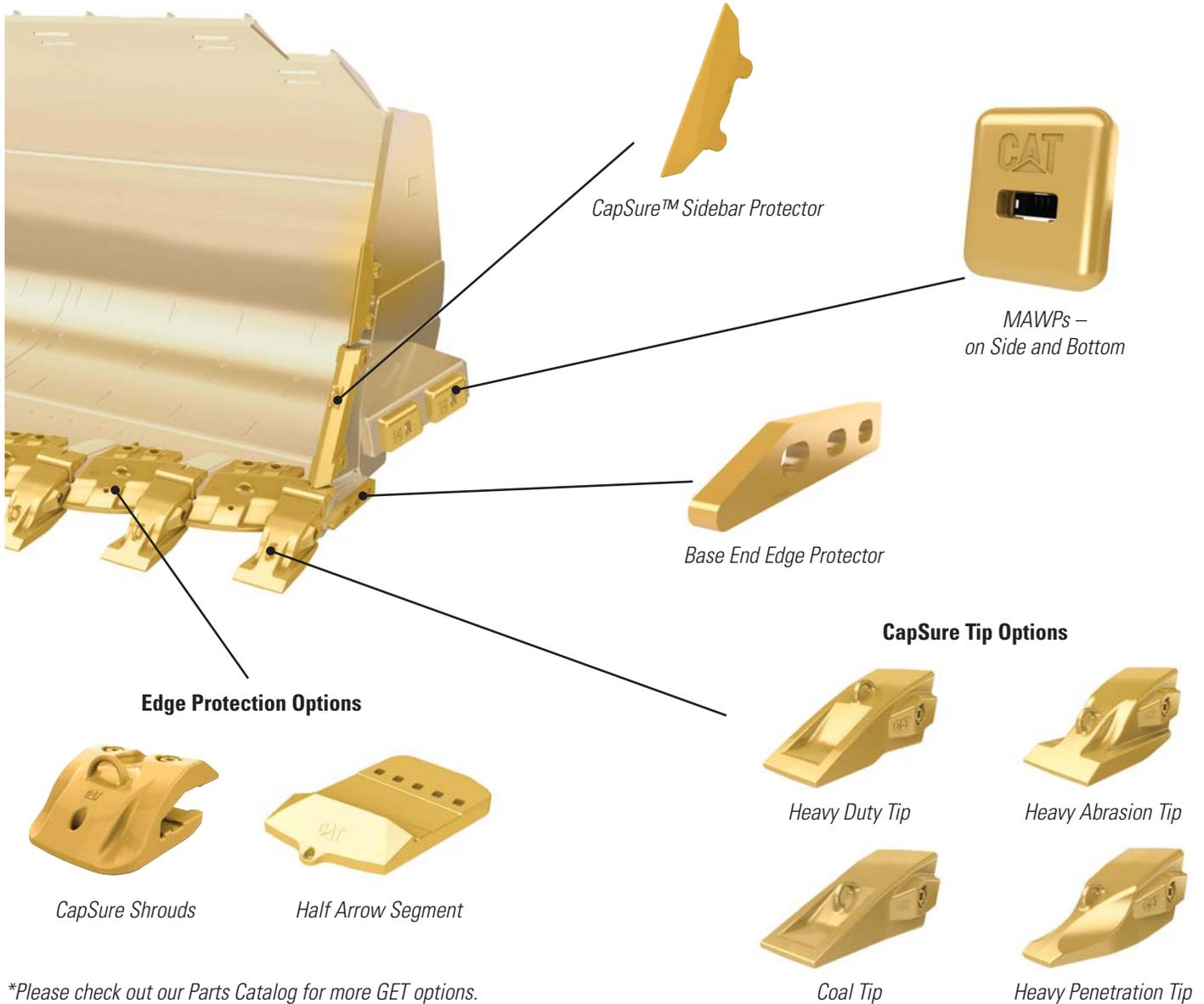
4 – Coal Buckets

Designed with a larger capacity for use in applications with light density and non-abrasive materials. GET includes a straight base edge with a bolt-on cutting edge system.



Cat Advansys™ Ground Engaging Tools

Protect expensive components. Reduce your operating costs. Get the most out of your machine's performance. Choose from a variety of performance-built Advansys GET like these to meet your application requirements.



**Please check out our Parts Catalog for more GET options.*

CapSure™ Retention Technology

Simplify GET component replacement with hammerless CapSure retention for fast, easy and safe installation. CapSure tips, shrouds and sidebar protectors are easily locked and unlocked with a 180 degree turn of a 3/4 inch (19 mm) ratchet.

988K XE Wheel Loader Specifications

Engine

| | | |
|-----------------------------------|-----------------------|-----------------------|
| Engine Model | Cat C18 ACERT | |
| Emissions | Tier 4 Final/Stage IV | |
| Rated Speed | 1,700 rpm | |
| Peak Power Speed | 1,500 rpm | |
| Gross – ISO 14396 | 432 kW | 580 hp |
| Gross – SAE J1995 | 439 kW | 588 hp |
| Net Power – SAE J1349 | 403 kW | 541 hp |
| Bore | 145 mm | 5.7 in |
| Stroke | 183 mm | 7.2 in |
| Displacement | 18.1 L | 1,105 in ³ |
| Peak Torque @ (speed) – SAE J1995 | 2852 N·m | 2,104 lbf·ft |
| Torque Rise | 58% | |

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.8 kg of refrigerant which has a CO₂ equivalent of 2.574 metric tonnes.

Operating Specifications

| | | |
|--|-----------------------|------------------------|
| Operating Weight | 52 781 kg | 116,362 lb |
| Rated Payload – Standard (face material) | 11.3 tonnes | 12.5 tons |
| Rated Payload – Standard (loose material) | 14.5 tonnes | 16 tons |
| Rated Payload – High Lift (face material) | 11.3 tonnes | 12.5 tons |
| Rated Payload – High Lift (loose material) | 14.5 tonnes | 16 tons |
| Bucket Capacity Range | 4.7-13 m ³ | 6.2-17 yd ³ |

Transmission

| | | |
|---------------------|--|----------|
| Transmission Type | Cat switched reluctance electric drive | |
| Forward 1 (virtual) | 7 km/h | 4.3 mph |
| Forward 2 (virtual) | 11.3 km/h | 7 mph |
| Forward 3 (virtual) | 22.2 km/h | 13.8 mph |
| Forward 4 (virtual) | 32.1 km/h | 20 mph |
| Reverse 1 (virtual) | 7 km/h | 4.3 mph |
| Reverse 2 (virtual) | 11.3 km/h | 7 mph |
| Reverse 3 (virtual) | 28.2 km/h | 17.5 mph |

Hydraulic System Lift/Tilt

| | | |
|----------------------------------|--|-------------|
| Lift/Tilt System – Circuit | EH-Positive Flow Control, Flow Sharing | |
| Lift/Tilt System Pumps | Variable displacement piston | |
| Maximum Flow at 1,400-1,600 rpm | 580 L/min | 153 gal/min |
| Relief Valve Setting – Lift/Tilt | 32 800 kpa | 4,757 psi |
| Lift Cylinder – Bore | 210 mm | 8.7 in |
| Lift Cylinder – Stroke | 1050 mm | 41.3 in |
| Tilt Cylinder – Bore | 269 mm | 8.7 in |
| Tilt Cylinder – Stroke | 685 mm | 27 in |

Operator Cab

| | | |
|-----------|---|--|
| ROPS/FOPS | ROPS/FOPS meet ISO 3471:2008 and ISO 3449:2005 Level II standards | |
|-----------|---|--|

988K XE Wheel Loader Specifications

Hydraulic Cycle Time

| | |
|----------------------------|--------------|
| Rackback | 4.5 Seconds |
| Raise | 8 Seconds |
| Dump | 2.2 Seconds |
| Lower Float Down | 3.5 Seconds |
| Total Hydraulic Cycle Time | 18.2 Seconds |

Hydraulic System – Steering

| | | |
|----------------------------------|-------------------------------|--------------|
| Steering System – Circuit | Pilot, load sensing | |
| Steering System – Pump | Piston, variable displacement | |
| Maximum Flow @ × 1,400-1,600 rpm | 270 L/min | 71.3 gal/min |
| Steering Cut Off Pressure | 30,000 kPa | 4,351 psi |
| Total Steering Angle | 86 | |
| Steering Cycle Time (high idle) | 3.4 sec | |
| Steering Cycle Time (low idle) | 5.6 sec | |
| Steering | ISO 5010:2007 | |

Service Refill Capacities

| | | |
|--|-------|---------|
| Fuel Tank | 555 L | 147 gal |
| Cooling System (jacket water) | 112 L | 30 gal |
| Cooling Systems (power train) | 30 L | 8 gal |
| Engine Crankcase | 60 L | 16 gal |
| Diesel Exhaust Fluid Tank | 33 L | 8.7 gal |
| Transmission | 60 L | 16 gal |
| Differentials and final drives – front | 186 L | 49 gal |
| Differentials and final drives – rear | 186 L | 49 gal |
| Hydraulic System – implement/steering | 475 L | 126 gal |

- All non-road Tier 4 Final/Stage IV diesel engines are required to use:
 - The machine has the flexibility to run on either ultra-low-sulfur diesel fuel (ULSD with 15 ppm of sulfur or less) or up to B20 biodiesel when feedstock meeting ASTM D7467 specifications is blended with ULSD.
 - Cat DEO-ULS™ or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specifications are required.
 - Only use DEF that meets ISO 22241-1 standards.

Axles

| | |
|-------------------|----------|
| Front | Fixed |
| Rear | Trunnion |
| Oscillation Angle | 13 |

Brakes

| | |
|--------|---------------|
| Brakes | ISO 3450:2011 |
|--------|---------------|

Sound Performance – Tier 4 Final/Stage IV

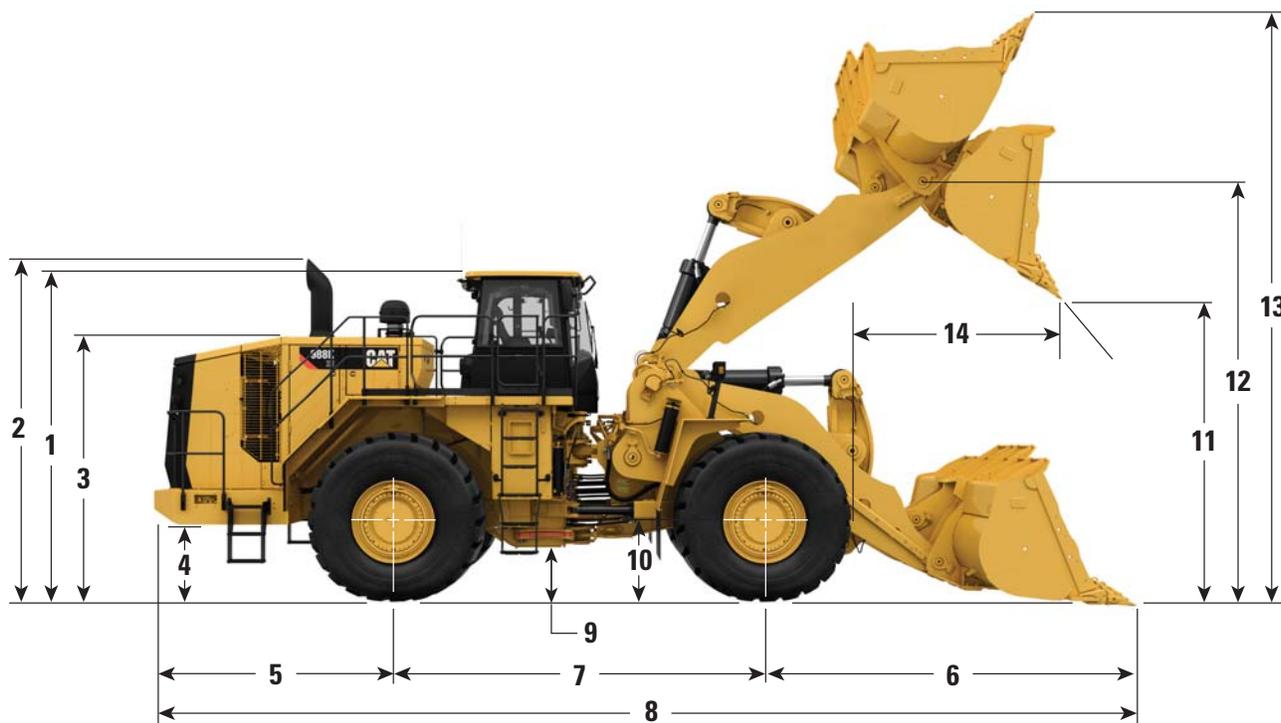
| | |
|---------------------------------|-----------|
| Operator Sound Level (ISO 6396) | 72 dB(A) |
| Machine Sound Level (ISO 6395) | 109 dB(A) |

- The operator sound pressure level was measured according to the test procedures and conditions specified in ISO 6396:2008. The measurement was conducted at 70 percent of the maximum engine cooling fan speed.
- Hearing protection may be needed when the machine is operated with a cab that is not properly maintained or when the doors or windows are open for extended periods or in a noisy environment.
- The machine sound power level was measured according to the test procedures and conditions specified in ISO 6395:2008. The measurement was conducted at 70 percent of the maximum engine cooling fan speed.

988K XE Wheel Loader Specifications

Dimensions

All dimensions are approximate.



| | Standard Lift | | High Lift | |
|---|---------------|---------|-----------|---------|
| | mm | ft | mm | ft |
| 1 Ground to Top of ROPS | 4187 mm | 13.7 ft | 4187 mm | 13.7 ft |
| 2 Ground to Top of Exhaust Stacks | 4498 mm | 14.8 ft | 4498 mm | 14.8 ft |
| 3 Ground to Top of Hood | 3334 mm | 10.9 ft | 3334 mm | 10.9 ft |
| 4 Ground to Bumper Clearance | 933 mm | 3.1 ft | 933 mm | 3.1 ft |
| 5 Rear Axle Center Line to Bumper | 3187 mm | 10.5 ft | 3187 mm | 10.5 ft |
| 6 Front Axle Center Line to Bucket Tip | 4467 mm | 14.7 ft | 4854 mm | 15.9 ft |
| 7 Wheel Base | 4550 mm | 14.9 ft | 4550 mm | 14.9 ft |
| 8 Maximum Overall Length | 12 204 mm | 40.0 ft | 12 582 mm | 41.3 ft |
| 9 Ground to Lower Hitch Clearance | 568 mm | 1.9 ft | 568 mm | 1.9 ft |
| 10 Ground to Center of Axles | 978 mm | 3.2 ft | 978 mm | 3.2 ft |
| 11 Clearance at Maximum Lift | 3445 mm | 11.3 ft | 3882 mm | 12.7 ft |
| 12 B-Pin Height at Maximum Lift | 5479 mm | 18.0 ft | 5881 mm | 19.3 ft |
| 13 Maximum Overall Height – Bucket Raised | 7455 mm | 24.5 ft | 7849 mm | 25.8 ft |
| 14 Reach at Maximum Lift | 2074 mm | 6.8 ft | 2130 mm | 7.0 ft |

Note: Specs are calculated with 6.9 m³ (9.0 yd³) rock bucket and Michelin XLDD2 with 978 mm (3.2 ft) centerline of rear axle height.

Bucket Capacity/Material Density Selection Guide

Standard Lift/High Lift

Rated Payload (Quarry Face) – 11.3 tonnes/12.5 tons

| Material Density | | | | Bucket Volume | |
|-------------------|--------------------|-----------------------|----------------------|----------------|-----------------|
| kg/m ³ | lb/yd ³ | tonnes/m ³ | tons/yd ³ | m ³ | yd ³ |
| 1468-1614 | 2,500-2,750 | 1.47-1.61 | 1.25-1.38 | 7.6 | 10.00 |
| 1638-1801 | 2,778-3,056 | 1.64-1.80 | 1.39-1.53 | 6.9 | 9.00 |
| 1766-1942 | 3,001-3,300 | 1.77-1.94 | 1.50-1.65 | 6.4 | 8.33 |

Standard Lift/High Lift

Rated Payload (Loose Material) – 14.5 tonnes/16 tons

| Material Density | | | | Bucket Volume | |
|-------------------|--------------------|-----------------------|----------------------|----------------|-----------------|
| kg/m ³ | lb/yd ³ | tonnes/m ³ | tons/yd ³ | m ³ | yd ³ |
| 1510-1667 | 2,560-2,816 | 1.51-1.67 | 1.28-1.41 | 9.6 | 12.5 |
| 1726-1905 | 2,909-3,200 | 1.73-1.90 | 1.45-1.60 | 8.4 | 11 |
| 1908-2105 | 3,200-3,520 | 1.91-2.11 | 1.60-1.76 | 7.6 | 10 |

Note: Rated Payload is the material weight in the bucket that the loader is designed to carry, excluding the weight of the bucket, GET, and wear material. Rated Payloads are published at 100 percent, even though Caterpillar does allow 110 percent. These values are given in terms of mass. There is no consideration to loose density weights of various materials since they are so diverse.

988K XE Wheel Loader Specifications

Aggregate Package Operating Specifications – Standard Lift

| | | 988K XE Std Lift Agg Pkg Tires: 35/65 R33 XLDD2, PN: 399-4568 SLR: 978 | | | |
|--|-----------------|---|----------|----------|----------|
| | | General Purpose | | | |
| | | Segments | | | |
| | | Straight | | | |
| Bucket Part Number | | 472-0120 | 435-4029 | 347-4990 | 347-4980 |
| Struck Capacity | m ³ | 8.0 | 7.0 | 6.0 | 5.5 |
| | yd ³ | 10.5 | 9.2 | 7.8 | 7.2 |
| Heaped Capacity (Rated) | m ³ | 9.6 | 8.4 | 7.6 | 6.9 |
| | yd ³ | 12.5 | 11 | 10 | 9 |
| Bucket Width | mm | 3897 | 3897 | 3897 | 3897 |
| | ft | 12.8 | 12.8 | 12.8 | 12.8 |
| Dump Clearance at Full Lift and 45° Discharge (Bare) | mm | 3642 | 3741 | 3818 | 3902 |
| | ft | 11.9 | 12.3 | 12.5 | 12.8 |
| Reach at Lift and 45° Discharge (Bare) | mm | 1898 | 1787 | 1722 | 1645 |
| | ft | 6.2 | 5.9 | 5.7 | 5.4 |
| Reach with Lift Arms Horizontal and Bucket Level (Teeth) | mm | 3917 | 3768 | 3668 | 3554 |
| | ft | 12.9 | 12.4 | 12.0 | 11.7 |
| Digging Depth (Segment) | mm | 200 | 208 | 200 | 195 |
| | in | 7.9 | 8.2 | 7.9 | 7.7 |
| Overall Length (Bucket Level Ground) | mm | 11 965 | 11 822 | 11 716 | 11 598 |
| | ft | 39.3 | 38.8 | 38.4 | 38.1 |
| Overall Height with Bucket at Full Raise | mm | 7830 | 7688 | 7591 | 7487 |
| | ft | 25.7 | 25.2 | 24.9 | 24.6 |
| Loader Clearance Turning Circle (SAE Carry with Teeth) | mm | 17 406 | 17 325 | 17 261 | 17 192 |
| | ft | 57.1 | 56.8 | 56.6 | 56.4 |
| Full Dump Angle | degrees | 50 | 50 | 50 | 50 |
| Static Tipping Load Straight (Rigid Tire)* | kg | 41 081 | 41 549 | 41 949 | 42 351 |
| | lb | 90,567 | 91,600 | 92,481 | 93,367 |
| Static Tipping Load Straight (ISO) (Tire Squash)* | kg | 38 427 | 38 947 | 39 358 | 39 783 |
| | lb | 84,718 | 85,863 | 86,769 | 87,707 |
| Static Tipping Load – Full Turn (Articulated 35°) (Rigid Tire)* | kg | 36 700 | 37 152 | 37 543 | 37 931 |
| | lb | 80,909 | 81,906 | 82,768 | 83,624 |
| Static Tipping Load – Full Turn (Articulated 35°) (ISO) (Tire Squash)* | kg | 32 635 | 33 158 | 33 565 | 33 987 |
| | lb | 71,948 | 73,100 | 73,998 | 74,928 |
| Static Tipping Load – Full Turn (Articulated 43°) (Rigid Tire)* | kg | 34 573 | 35 017 | 35 404 | 35 786 |
| | lb | 76,220 | 77,200 | 78,053 | 78,894 |
| Static Tipping Load – Full Turn (Articulated 43°) (ISO) (Tire Squash)* | kg | 30 105 | 30 624 | 31 026 | 31 441 |
| | lb | 66,370 | 67,514 | 68,401 | 69,316 |
| Breakout Force** | kN | 381 | 413 | 437 | 468 |
| | lb | 85,649 | 92,746 | 98,315 | 105,297 |
| Operating Weight | kg | 55 533 | 55 257 | 54 969 | 54 729 |
| | lb | 122,428 | 121,822 | 121,186 | 120,656 |
| Weight Distribution at SAE Carry (Unloaded) | | | | | |
| Front | kg | 28 451 | 27 973 | 27 481 | 27 064 |
| | lb | 62,724 | 61,671 | 60,585 | 59,665 |
| Rear | kg | 27 081 | 27 284 | 27 488 | 27 665 |
| | lb | 59,704 | 60,151 | 60,602 | 60,992 |
| Weight Distribution at SAE Carry (Loaded) | | | | | |
| Front | kg | 51 999 | 51 403 | 50 859 | 50 361 |
| | lb | 114,639 | 113,325 | 112,125 | 111,026 |
| Rear | kg | 18 048 | 18 369 | 18 625 | 18 883 |
| | lb | 39,790 | 40,497 | 41,062 | 41,631 |

*Static tipping loads and operating weights include full fluids and 80 kg (176 lb) operator.

**Breakout force is measured 102 mm (4 in) behind tip of cutting edge with bucket hinge pin as pivot in accordance with SAE J732C. Full compliance to ISO 14397-1:2007.

988K XE Wheel Loader Specifications

Operating Specifications – Standard Lift

| | | 988K XE Std Lift Tires: 35/65 R33 XLDD2, PN: 399-4568 SLR: 978 | | | | | |
|--|-----------------|--|----------|----------|----------|----------|----------|
| Bucket Type | | General Purpose | | Rock | | HD Rock | |
| Ground Engaging Tool | | Adapters or BOCE | | X130 | X130 | X130 | |
| Cutting Edge Type | | Straight | Straight | Spade | Spade | Spade | |
| Bucket Part Number | | 347-4990 | 347-4980 | 498-9992 | 498-9990 | 498-9988 | 498-9994 |
| Struck Capacity | m ³ | 6.0 | 5.5 | 6.5 | 5.5 | 5.0 | 5.0 |
| | yd ³ | 7.8 | 7.2 | 8.5 | 7.2 | 6.5 | 6.5 |
| Heaped Capacity (Rated) | m ³ | 7.6 | 6.9 | 7.6 | 6.9 | 6.4 | 6.4 |
| | yd ³ | 10 | 9 | 10 | 9 | 8.3 | 8.3 |
| Bucket Width | mm | 3897 | 3897 | 4020 | 4020 | 4020 | 4080 |
| | ft | 12.8 | 12.8 | 13.2 | 13.2 | 13.2 | 13.4 |
| Dump Clearance at Full Lift and 45° Discharge (Bare) | mm | 3818 | 3902 | 3603 | 3681 | 3736 | 3722 |
| | ft | 12.5 | 12.8 | 11.8 | 12.1 | 12.3 | 12.2 |
| Dump Clearance at Full Lift and 45° Discharge (with Teeth) | mm | — | — | 3414 | 3492 | 3547 | 3520 |
| | ft | — | — | 11.2 | 11.5 | 11.6 | 11.5 |
| Reach at Lift and 45° Discharge (Bare) | mm | 1722 | 1645 | 1936 | 1858 | 1803 | 1816 |
| | ft | 5.7 | 5.4 | 6.4 | 6.1 | 5.9 | 6.0 |
| Reach at Lift and 45° Discharge (with Teeth) | mm | — | — | 2117 | 2040 | 1984 | 1989 |
| | ft | — | — | 6.9 | 6.7 | 6.5 | 6.5 |
| Reach with Lift Arms Horizontal and Bucket Level (Teeth) | mm | 3668 | 3554 | 4233 | 4123 | 4045 | 4067 |
| | ft | 12.0 | 11.7 | 13.9 | 13.5 | 13.3 | 13.3 |
| Digging Depth (Segment) | mm | 200 | 195 | 201 | 201 | 201 | 201 |
| | in | 7.9 | 7.7 | 7.9 | 7.9 | 7.9 | 7.9 |
| Overall Length (Bucket Level Ground) | mm | 11 716 | 11 598 | 12 281 | 12 171 | 12 093 | 12 115 |
| | ft | 38.4 | 38.1 | 40.3 | 39.9 | 39.7 | 39.7 |
| Overall Height with Bucket at Full Raise | mm | 7591 | 7488 | 7557 | 7455 | 7381 | 7384 |
| | ft | 24.9 | 24.6 | 24.8 | 24.5 | 24.2 | 24.2 |
| Loader Clearance Turning Circle (SAE Carry with Teeth) | mm | 17 261 | 17 192 | 17 429 | 17 366 | 17 321 | 17 344 |
| | ft | 56.6 | 56.4 | 57.2 | 57.0 | 56.8 | 56.9 |
| Full Dump Angle | degrees | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 50 |
| Static Tipping Load Straight (Rigid Tire)* | kg | 36 029 | 36 412 | 35 067 | 35 604 | 35 651 | 34 592 |
| | lb | 79,430 | 80,276 | 77,309 | 78,494 | 78,597 | 76,262 |
| Static Tipping Load Straight (ISO) (Tire Squash)* | kg | 33 859 | 34 261 | 32 922 | 33 477 | 33 543 | 32 494 |
| | lb | 74,646 | 75,533 | 72,580 | 73,804 | 73,949 | 71,636 |
| Static Tipping Load – Full Turn (Articulated 35°) (Rigid Tire)* | kg | 32 325 | 32 697 | 31 377 | 31 906 | 31 946 | 30 888 |
| | lb | 71,263 | 72,084 | 69,175 | 70,340 | 70,430 | 68,097 |
| Static Tipping Load – Full Turn (Articulated 35°) (ISO) (Tire Squash)* | kg | 29 081 | 29 478 | 28 164 | 28 716 | 28 783 | 27 738 |
| | lb | 64,112 | 64,989 | 62,090 | 63,309 | 63,455 | 61,152 |
| Static Tipping Load – Full Turn (Articulated 43°) (Rigid Tire)* | kg | 30 526 | 30 893 | 29 586 | 30 110 | 30 148 | 29 090 |
| | lb | 67,299 | 68,108 | 65,225 | 66,381 | 66,465 | 64,133 |
| Static Tipping Load – Full Turn (Articulated 43°) (ISO) (Tire Squash)* | kg | 26 961 | 27 355 | 26 053 | 26 603 | 26 668 | 25 626 |
| | lb | 59,439 | 60,308 | 57,437 | 58,650 | 58,793 | 56,495 |
| Breakout Force** | kN | 437 | 468 | 371 | 394 | 410 | 402 |
| | lb | 98,315 | 105,297 | 83,329 | 88,591 | 92,170 | 90,383 |
| Operating Weight | kg | 52 334 | 52 094 | 52 902 | 52 559 | 52 531 | 53 510 |
| | lb | 115,377 | 114,847 | 116,628 | 115,872 | 115,810 | 117,969 |
| Weight Distribution at SAE Carry (Unloaded) | | | | | | | |
| Front | kg | 28 687 | 28 270 | 29 779 | 29 144 | 29 118 | 30 717 |
| | lb | 63,245 | 62,325 | 65,652 | 64,252 | 64,194 | 67,719 |
| Rear | kg | 23 647 | 23 824 | 23 122 | 23 414 | 23 413 | 22 793 |
| | lb | 52,132 | 52,523 | 50,976 | 51,619 | 51,616 | 50,250 |
| Weight Distribution at SAE Carry (Loaded) | | | | | | | |
| Front | kg | 46 947 | 46 467 | 48 073 | 47 382 | 47 317 | 48 922 |
| | lb | 103,501 | 102,441 | 105,984 | 104,460 | 104,317 | 107,854 |
| Rear | kg | 16 727 | 16 967 | 16 168 | 16 516 | 16 553 | 15 928 |
| | lb | 36,877 | 37,406 | 35,645 | 36,412 | 36,493 | 35,115 |

*Static tipping loads and operating weights include full fluids and 80 kg (176 lb) operator.

**Breakout force is measured 102 mm (4 in) behind tip of cutting edge with bucket hinge pin as pivot in accordance with SAE J732C.

Full compliance to ISO 14397-1:2007.

988K XE Wheel Loader Specifications

Aggregate Package Operating Specifications – High Lift

| | | 988K XE High Lift Agg Pkg Tires: 35/65 R33 XLDD2, PN: 399-4568 SLR: 978 | | | |
|--|-----------------|--|----------|----------|----------|
| | | General Purpose | | | |
| | | Segments | | | |
| | | Straight | | | |
| Bucket Part Number | | 472-0120 | 435-4029 | 347-4990 | 347-4980 |
| Struck Capacity | m ³ | 8.0 | 7.0 | 6.0 | 5.5 |
| | yd ³ | 10.5 | 9.2 | 7.8 | 7.2 |
| Heaped Capacity (Rated) | m ³ | 9.6 | 8.4 | 7.6 | 6.9 |
| | yd ³ | 12.5 | 11 | 10 | 9 |
| Bucket Width | mm | 3897 | 3897 | 3897 | 3897 |
| | ft | 12.8 | 12.8 | 12.8 | 12.8 |
| Dump Clearance at Full Lift and 45° Discharge (Bare) | mm | 4035 | 4135 | 4211 | 4296 |
| | ft | 13.2 | 13.6 | 13.8 | 14.1 |
| Reach at Lift and 45° Discharge (Bare) | mm | 1987 | 1876 | 1811 | 1734 |
| | ft | 6.5 | 6.2 | 5.9 | 5.7 |
| Reach with Lift Arms Horizontal and Bucket Level (Teeth) | mm | 4256 | 4107 | 4007 | 3893 |
| | ft | 14.0 | 13.5 | 13.1 | 12.8 |
| Digging Depth (Segment) | mm | 219 | 227 | 219 | 214 |
| | in | 8.6 | 8.9 | 8.6 | 8.4 |
| Overall Length (Bucket Level Ground) | mm | 12 371 | 12 227 | 12 122 | 12 005 |
| | ft | 40.6 | 40.1 | 39.8 | 39.4 |
| Overall Height with Bucket at Full Raise | mm | 8224 | 8082 | 7985 | 7881 |
| | ft | 27.0 | 26.5 | 26.2 | 25.9 |
| Loader Clearance Turning Circle (SAE Carry with Teeth) | mm | 17 741 | 17 660 | 17 595 | 17 525 |
| | ft | 58.2 | 57.9 | 57.7 | 57.5 |
| Full Dump Angle | degrees | 50 | 50 | 50 | 50 |
| Static Tipping Load Straight (Rigid Tire)* | kg | 41 325 | 41 734 | 42 110 | 42 474 |
| | lb | 91,106 | 92,008 | 92,837 | 93,638 |
| Static Tipping Load Straight (ISO) (Tire Squash)* | kg | 32 825 | 39 289 | 39 678 | 40 068 |
| | lb | 85,594 | 86,616 | 87,475 | 88,334 |
| Static Tipping Load – Full Turn (Articulated 35°) (Rigid Tire)* | kg | 36 750 | 37 149 | 37 518 | 37 871 |
| | lb | 81,020 | 81,899 | 82,713 | 83,491 |
| Static Tipping Load – Full Turn (Articulated 35°) (ISO) (Tire Squash)* | kg | 32 691 | 33 166 | 33 554 | 33 944 |
| | lb | 72,072 | 73,118 | 73,973 | 74,833 |
| Static Tipping Load – Full Turn (Articulated 43°) (Rigid Tire)* | kg | 34 529 | 34 923 | 35 289 | 35 636 |
| | lb | 76,124 | 76,991 | 77,798 | 78,565 |
| Static Tipping Load – Full Turn (Articulated 43°) (ISO) (Tire Squash)* | kg | 30 027 | 30 502 | 30 888 | 31 276 |
| | lb | 66,198 | 67,245 | 68,096 | 68,951 |
| Breakout Force** | kN | 350 | 380 | 403 | 431 |
| | lb | 78,782 | 85,375 | 90,534 | 97,000 |
| Operating Weight | kg | 58 463 | 58 187 | 57 899 | 57 659 |
| | lb | 128,888 | 128,281 | 127,646 | 127,116 |
| Weight Distribution at SAE Carry (Unloaded) | | | | | |
| Front | kg | 28 499 | 28 001 | 27 486 | 27 051 |
| | lb | 62,830 | 61,731 | 60,597 | 59,638 |
| Rear | kg | 29 963 | 30 187 | 30 413 | 30 608 |
| | lb | 66,058 | 66,551 | 67,049 | 67,478 |
| Weight Distribution at SAE Carry (Loaded) | | | | | |
| Front | kg | 53 223 | 52 622 | 52 063 | 51 558 |
| | lb | 117,335 | 116,013 | 114,779 | 113,665 |
| Rear | kg | 19 755 | 20 080 | 20 351 | 20 616 |
| | lb | 43,552 | 44,269 | 44,867 | 45,451 |

*Static tipping loads and operating weights include full fluids and 80 kg (176 lb) operator.

**Breakout force is measured 102 mm (4 in) behind tip of cutting edge with bucket hinge pin as pivot in accordance with SAE J732C. Full compliance to ISO 14397-1:2007.

988K XE Wheel Loader Specifications

Operating Specifications – High Lift

| | | 988K XE High Lift Tires: 35/65 R33 XLDD2, PN: 399-4568 SLR: 978 | | | | | |
|--|-----------------|---|----------|----------|----------|----------|----------|
| Bucket Type | | General Purpose | | Rock | | | HD Rock |
| Ground Engaging Tool | | Adapters or BOCE | | X130 | X130 | X130 | X130 |
| Cutting Edge Type | | Straight | Straight | Spade | Spade | Spade | Spade |
| Bucket Part Number | | 347-4990 | 347-4980 | 498-9992 | 498-9990 | 498-9988 | 498-9994 |
| Struck Capacity | m ³ | 6.0 | 5.5 | 6.5 | 5.5 | 5.0 | 5.0 |
| | yd ³ | 7.8 | 7.2 | 8.5 | 7.2 | 6.5 | 6.5 |
| Heaped Capacity (Rated) | m ³ | 7.6 | 6.9 | 7.6 | 6.9 | 6.4 | 6.4 |
| | yd ³ | 10 | 9 | 10 | 9 | 8.3 | 8.3 |
| Bucket Width | mm | 3897 | 3897 | 4020 | 4020 | 4020 | 4080 |
| | ft | 12.8 | 12.8 | 13.2 | 13.2 | 13.2 | 13.4 |
| Dump Clearance at Full Lift and 45° Discharge (Bare) | mm | 4211 | 4296 | 3997 | 4074 | 4130 | 4116 |
| | ft | 13.8 | 14.1 | 13.1 | 13.4 | 13.5 | 13.5 |
| Dump Clearance at Full Lift and 45° Discharge (with Teeth) | mm | — | — | 3808 | 3885 | 3940 | 3914 |
| | ft | — | — | 12.5 | 12.7 | 12.9 | 12.8 |
| Reach at Lift and 45° Discharge (Bare) | mm | 1811 | 1734 | 2024 | 1947 | 1892 | 1905 |
| | ft | 5.9 | 5.7 | 6.6 | 6.4 | 6.2 | 6.2 |
| Reach at Lift and 45° Discharge (with Teeth) | mm | — | — | 2206 | 2128 | 2073 | 2077 |
| | ft | — | — | 7.2 | 7.0 | 6.8 | 6.8 |
| Reach with Lift Arms Horizontal and Bucket Level (Teeth) | mm | 4007 | 3893 | 4572 | 4462 | 4384 | 4406 |
| | ft | 13.1 | 12.8 | 15.0 | 14.6 | 14.4 | 14.5 |
| Digging Depth (Segment) | mm | 219 | 214 | 220 | 220 | 220 | 220 |
| | in | 8.6 | 8.4 | 8.7 | 8.7 | 8.7 | 8.7 |
| Overall Length (Bucket Level Ground) | mm | 12 122 | 12 005 | 12 688 | 12 578 | 12 500 | 12 521 |
| | ft | 39.8 | 39.4 | 41.6 | 41.3 | 41.0 | 41.1 |
| Overall Height with Bucket at Full Raise | mm | 7985 | 7881 | 7951 | 7849 | 7775 | 7778 |
| | ft | 26.2 | 25.9 | 26.1 | 25.7 | 25.5 | 25.5 |
| Loader Clearance Turning Circle (SAE Carry with Teeth) | mm | 17 595 | 17 525 | 17 763 | 17 699 | 17 654 | 17 678 |
| | ft | 57.7 | 57.5 | 58.3 | 58.1 | 57.9 | 58.0 |
| Full Dump Angle | degrees | 50 | 50 | 50 | 50 | 50 | 50 |
| Static Tipping Load Straight (Rigid Tire)* | kg | 33 846 | 34 190 | 32 933 | 33 427 | 33 456 | 32 402 |
| | lb | 74,617 | 75,377 | 72,605 | 73,695 | 73,757 | 71,434 |
| Static Tipping Load Straight (ISO) (Tire Squash)* | kg | 31 957 | 32 321 | 31 063 | 31 576 | 31 622 | 30 577 |
| | lb | 70,453 | 71,256 | 68,482 | 69,613 | 69,715 | 67,411 |
| Static Tipping Load – Full Turn (Articulated 35°) (Rigid Tire)* | kg | 30 229 | 30 566 | 29 329 | 29 818 | 29 842 | 28 790 |
| | lb | 66,644 | 67,386 | 64,660 | 65,737 | 65,790 | 63,470 |
| Static Tipping Load – Full Turn (Articulated 35°) (ISO) (Tire Squash)* | kg | 27 271 | 27 634 | 26 393 | 26 908 | 26 958 | 25 918 |
| | lb | 60,121 | 60,923 | 58,187 | 59,323 | 59,432 | 57,139 |
| Static Tipping Load – Full Turn (Articulated 43°) (Rigid Tire)* | kg | 28 474 | 28 806 | 27 580 | 28 065 | 28 088 | 27 036 |
| | lb | 62,774 | 63,507 | 60,803 | 61,873 | 61,923 | 59,604 |
| Static Tipping Load – Full Turn (Articulated 43°) (ISO) (Tire Squash)* | kg | 25 199 | 25 559 | 24 330 | 24 842 | 24 891 | 23 852 |
| | lb | 55,554 | 56,347 | 53,639 | 54,768 | 54,874 | 52,584 |
| Breakout Force** | kN | 403 | 431 | 341 | 363 | 377 | 370 |
| | lb | 90,534 | 97,000 | 76,633 | 81,539 | 84,840 | 83,123 |
| Operating Weight | kg | 53 806 | 53 566 | 54 374 | 54 031 | 54 003 | 54 982 |
| | lb | 118,622 | 118,092 | 119,873 | 119,117 | 119,055 | 121,214 |
| Weight Distribution at SAE Carry (Unloaded) | | | | | | | |
| Front | kg | 29 321 | 28 886 | 30 458 | 29 797 | 29 770 | 31 454 |
| | lb | 64,642 | 63,683 | 67,148 | 65,691 | 65,631 | 69,344 |
| Rear | kg | 24 485 | 24 680 | 23 916 | 24 234 | 24 233 | 23 528 |
| | lb | 53,980 | 54,410 | 52,725 | 53,426 | 53,424 | 51,870 |
| Weight Distribution at SAE Carry (Loaded) | | | | | | | |
| Front | kg | 48 518 | 48 028 | 49 689 | 48 979 | 48 919 | 50 609 |
| | lb | 106,963 | 105,883 | 109,545 | 107,980 | 107,848 | 111,575 |
| Rear | kg | 16 628 | 16 878 | 16 025 | 16 391 | 16 423 | 15 712 |
| | lb | 36,659 | 37,210 | 35,328 | 36,137 | 36,207 | 34,640 |

*Static tipping loads and operating weights include full fluids and 80 kg (176 lb) operator.

**Breakout force is measured 102 mm (4 in) behind tip of cutting edge with bucket hinge pin as pivot in accordance with SAE J732C.

Full compliance to ISO 14397-1:2007.

Standard Equipment

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

ELECTRICAL

- Alarm, back-up
- Alternator, single 150 amp
- Batteries, dry
- Converter, 10/15 amp, 24V to 12V
- Lighting system (halogen, work lights, access and service platform lighting)
- Starting and charging system, 24V
- Starter emergency start receptacle
- Starter lockout in bumper
- Transmission lockout in bumper
- Hazardous voltage lamp

OPERATOR ENVIRONMENT

- Graphical Information Display, displays real time operating information, performs calibrations and customizes operator settings
- Air conditioner
- Cat Detect Vision, rear vision camera system
- Cab, sound suppressed and pressurized, integrated rollover protective structure (ROPS/FOPS) radio ready for entertainment, includes antenna, speakers and converter (12-volt 5-amp) and power port
- Controls, lift and tilt function
- Heater, defroster
- Horn, electric
- Instrumentation, gauges
 - Coolant temperature
 - Engine hour meter
 - Hydraulic oil temperature
 - Power train oil temperature
- Light, cab, dome
- Lunchbox, beverage holders
- CB radio-ready

- Mirrors, rearview (externally mounted)
- Rimpull Control System
- Seat, Cat Comfort Series III, heated and ventilated, air suspension, six-way adjustable
- Seat belt minder
- Seat belt, retractable, 76 mm (3 in) wide
- STIC Control System
- UV glass
- Virtual gear indicator
- Vital Information Management System (VIMS) with Graphical Information Display: External Data Port, Customizable Operator Profiles, Cycle Timer, Integrated Payload Control System
- Wet-Arm wipers/washers (front and rear)
 - Intermittent front and rear wipers
- Lights, directional

POWER TRAIN

- Brakes, oil-cooled, multi-disc, service/secondary
- Case drain screens
- Electro hydraulic parking brake
- Engine, C18 ACERT MEUI diesel, turbocharged/aftercooled
- Ground level engine shutoff
- Turbine precleaner, engine air intake
- Radiator, Aluminum Modular Radiator (AMR)
- Starting aid, ether, automatic
- Throttle lock, electronic
- Manual switch and automatic fuel priming
- Cat Production Measurement ready
- Cat SR Generator/Pump Drive
- Cat SR Drive Motor
- Cat Integrated Powered Electronics
- Automatic retarding controls

OTHER

- Automatic bucket lift kickout/positioner
- Base machine price includes a rim allowance
- Hydraulically driven demand fan
- Couplings, Cat O-ring face seals
- Doors, service access (locking)
- Ecology drains for engine, radiator, hydraulic tank
- Fuel tank, 555 L (147 gal)
- Hitch, drawbar with pin
- Hoses, Cat XT™
- Hydraulic, steering and brake filtration/screening system
- Cat Clean Emission Module
- Oil sampling valves
- Premixed 50 percent concentration of extended life coolant with freeze protection to -34° C (-29° F)
- Rear access to cab and service platform
- Steering, load sensing
- Toe kicks
- Vandalism protection caplocks

Optional Equipment

With approximate changes in operating weights. Optional equipment may vary. Consult your Cat dealer for specifics.

POWER TRAIN

- -50° C (-58° F) antifreeze
- Engine oil change system, high speed, Wiggins
- Engine block heater 120V or 240V
- High ambient cooling – software
- Cat Production Measurement
- Crankcase guard

OPERATOR ENVIRONMENT

- Cab precleaner
- AM/FM/CD/MP3 radio
- Satellite Sirius radio with Bluetooth®
- LED warning strobe
- Window pull down visor
- Handrail mounted mirrors

MISCELLANEOUS ATTACHMENTS

- Front and rear roading fenders
- Fast fill fuel system (Shaw-Aero)
- Cold Weather Starting (extra starter plus two batteries)
- Aggregate Handler
- Tire Pressure Monitoring System

988K XE Mandatory Attachments

Mandatory Attachments

Select one from each group. Mandatory and optional equipment may vary. Consult your Cat dealer for specifics.

LINKAGE

- Standard with two valves
- High Lift with two valves

- Autolube
- Manual grease pins

ELECTRICAL

- Product Link (Satellite)
- Product Link (Cellular)

STEERING

- Standard steering
- Secondary steering

POWER TRAIN

- Axle oil cooler
- Standard axles

- Standard fuel lines
- Heated fuel lines

- Standard axle
- No spin axle
- Extreme temperature axle

- Standard engine air turbine precleaner
- Dual stage precleaner

- No engine brake
- Engine brake

LIGHTING

- Standard lighting
- HID lighting
- LED lighting

OPERATOR ENVIRONMENT

- Standard cab glass
- Rubber mounted cab glass

- Fixed glass door, standard
- Sliding glass door

- Standard cab air cleaner
- RESPA cab air cleaner

- Standard mirror
- Heated mirror

- Rear vision display
- Rear vision display with Cat Detect (Object Detection)

HYDRAULICS

- Ride control
- No ride control

- Standard hydraulic oil
- Cold weather hydraulic oil

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

AEHQ8060 (08-2017)

© 2017 Caterpillar
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.

