988

WHEEL LOADER



Engine Power (ISO 14396:2002)	432 kW (580 hp)
Operating Weight – Standard Lift	51 062 kg (112,574 lb)
Operating Weight – High Lift	54 258 kg (119,618 lb)

Three engine emission options are available:
1. Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
2. Meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
3. Meets China Nonroad Stage IV emission standards.

CAT®

THE CAT® 988

LOW COST PER TON WITH OPTIMAL EFFICIENCY AND PRODUCTIVITY

The Cat® 988 Wheel Loader combines the durability, reliability, and productivity of the proven 988 legacy. When paired with our 770, 772, 773, or 775 off-highway trucks, the 988 achieves great productivity.



HELPING YOU MOVE MORE MATERIAL IN LESS TIME

The 988 lets you move more material at a low cost so you can achieve production targets, deliver on your commitments, meet deadlines, and maximize your profitability.

+ PRODUCTIVITY BOOSTED THROUGH IMPROVED CYCLE TIMES, BUCKET FILL FACTORS WITH OPTIONAL OPERATOR COACHING AND ASSIST
+ IMPROVED CONTROL TECHNOLOGY REDUCES FUEL BURN AND MOVES MORE MATERIAL
+ ENHANCED OPERATOR CONTROLS DELIVER GREATER EFFICIENCY, PRODUCTIVITY, AND COMFORT



PROVEN POWER, **LOW FUEL BURN**

The Cat C18 engine delivers more than enough power for your most demanding applications while helping to keep your cost per ton low. Fully integrated electronic engine controls work in concert with the entire machine to make your fuel go further, and engine idle shutdown prevents unnecessary idling. The C18 is also equipped with ecology drains to reduce spills.

Three engine emission options are available:

1. Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
2. Meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
3. Meets China Nonroad Stage IV emission standards.

PROVEN PERFORMANCE, **RUN EFFICIENTLY**

The 988 features a number of improvements that make it even more customer and operator friendly, including a new economy mode that helps to save fuel and energy while increasing efficiency and reducing environmental impact.



TECHNOLOGY DESIGNED TO DO MORE

BUILT FOR PRODUCTIVITY

INCREASED SAFETY

New operator presence feature detects when the operator leaves the seat and automatically applies the parking brake when the machine is not in motion. Optional seat belt beacon indicator light externally shows if the seat belt is being used by the operator.

EASE OF OPERATION

With optional Operator Coaching, operator efficiency and bucket fill factor can be increased. Operator Assist features help optimize the dig portion of every cycle with improvements, all designed to help the operator excel.



MATCH AND MOVE MORE

Achieve even greater production with an optimized truck match to maximize the volume of material moved at the lowest operating cost per ton.

Cat® 770 36 t (40 ton)
3 PASSES

Cat 772 45 t (50 ton)
4 PASSES

Cat 773 56 t (61.7 ton)
5 PASSES

Cat 775 64 t (70.5 ton)
6 PASSES

THE CAT 988 IS OPTIMALLY MATCHED WITH CAT OFF-HIGHWAY TRUCKS.

DO MORE FOR LESS **WITH POSITIVE FLOW CONTROL**

The positive flow control (PFC) hydraulic system provides more power and helps lessen fuel burn, providing consistent performance and better control. The optimized pump control produces hydraulic oil flow proportionate to implement lever movement. The PFC system also provides improved bucket feel and control through increased hydraulic response.

ELECTRO HYDRAULIC SYSTEMS **BOOST PRODUCTIVITY**

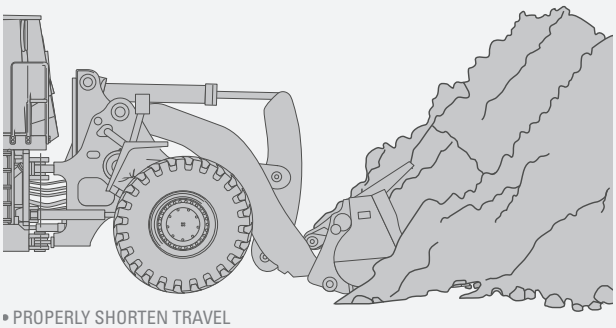
Electronically controlled hydraulic cylinder stops and integrated soft detent controls help make precise movements simple and comfortable. A load-sensing steering system with 43 degrees of articulation allows precise positioning and easy loading in tight areas.

OPTIONAL COUNTERWEIGHT **ENABLES PRECISION OPERATION**

Load and carry applications are easier to optimize when operators have more precise control. An optional load and carry counterweight helps improve the stability of the machine and allows faster, more precise maneuvering than the standard counterweight.

FASTER
CYCLE TIMES AND
BETTER
EFFICIENCY WITH OPERATOR COACHING

OPERATOR COACHING SYSTEM DELIVERS VITAL FEEDBACK TO THE OPERATOR THROUGHOUT EVERY CYCLE, HELPING THEM WORK MORE EFFICIENTLY



- PROPERLY SHORTEN TRAVEL
- AVOID UNRACKING IN-DIG
- ENTER THE PILE WITH A LEVEL BUCKET
- REDUCE THE DUMP HEIGHT AND USE THE KICKOUT

DESIGNED TO HELP EVERY OPERATOR EXCEL

SINGLE PEDAL OPERATION

Throttle lock and impeller clutch torque converter (ICTC) give operators easier single left-hand pedal operation.

STEERING AND TRANSMISSION INTEGRATED CONTROL (STIC™) MAXIMIZES RESPONSIVENESS

Easier control and shorter, faster cycles reduce operator fatigue and increase efficiency. The STIC™ system combines steering, gear selection, and more into a single lever.

OPERATOR ASSIST OPTIMIZES PERFORMANCE

Optional Operator Assist features help simplify the digging phase. Reducing tire slip and wear, available Auto Set Tires sets the front tires to promote proper loading techniques. Lift Stall Prevention and Tire Slip Prevention automatically manage rimpull in-dig to prevent hydraulic stall while lifting through the face, resulting in less time spent in the pile.



CONTROLS THAT RAISE PRODUCTIVITY

ACHIEVE MORE WITH NEW SYSTEMS

WORLD-CLASS OPERATOR COMFORT AND ERGONOMICS

EASY ENTRY

Operators access the cab by 45-degree anti-skid stairways mounted on both sides of the machine. The STIC control column folds up and out of the way to help make cab entry and seat adjustment easier.

PREMIUM PLUS SEAT

The premium plus seat delivers total comfort throughout the workday. Standard features include leather finish, forced air heating and cooling, two-way thigh adjustment, power lumbar and back bolster adjustment, and dynamic end dampening.

CAB COMFORT MEASURES

The 988's cabin remains comfortable. Isolated cab mounts reduce vibration, while filtered, pressurized air and automatic climate control maintain an agreeable atmosphere. A floor storage tray helps keep items out of the operator's way.

LOW OPERATOR SOUND LEVELS

Sound levels are lower than previous 988 generations, and a newly redesigned STIC steering valve reduces steering noise in the cab.



OPERATOR-CENTERED ENVIRONMENT

REDUCED FATIGUE AND INCREASED FOCUS

TOTAL SAFETY FOCUS

HELPING OPERATORS STAY SAFE AND AWARE

Your most important job is keeping your team safe. We are constantly improving our products in an effort to provide a safe work environment for the operator and those who work on your jobsite.



EASY AND SAFE ACCESS

The cab is accessed by 45-degree angle anti-slip stairways on the left and right sides, with standard stairway lighting. All access walkways are continuous to avoid trip hazards, equipped with highly effective anti-slip texture, and designed to provide three points of contact during all tasks. Many service points are accessible from ground level.



SEE AND BE SEEN WITH HIGH VISIBILITY

The cab provides excellent sight lines, with larger quarter windows, and a rear vision camera which enhances visibility behind the machine, helping operators work more safely and confidently. Optional heated mirrors and Cat Detect radar system are available to give the operator even greater awareness of the surrounding environment. High-visibility LED warning beacons and high performance LED work lights are available as options.



MASTER DISCONNECT SWITCH

Ground electrical service center with auxiliary jump start receptacle and battery disconnect switch.



BUILT FOR THE TOUGHEST CONDITIONS

ROBUST STRUCTURES

A STRONG LEGACY

The 988 series has proven durable and reliable for nearly 60 years, and the 988 builds upon this legacy of durability, performance, safety, operator comfort, and serviceability.

STRONG STRUCTURES

A full box-section rear frame helps resist torsional shock and twisting forces. Heavy-duty steering cylinder mounts efficiently transmit steering loads into the frame.

STRONG CONNECTIONS

Every linkage and connection is engineered for maximum durability. Axle mountings have increased structural integrity, and the lower hitch pin, frame plate, and bearing size have been increased for greater strength and longer life compared to the 988H. The greased pin design of the front linkage pin joints helps increase their service life.

STRONG ARMS

The lift arms are solid steel for excellent stress absorption, and the strength of key pin areas is enhanced through the use of one-piece castings. The Z-bar design of the arms enhances worksite visibility.

PERFORMANCE SERIES BUCKETS

Deliver fast fill times and better material retention, ultimately reducing cycle times while improving productivity and fuel efficiency.

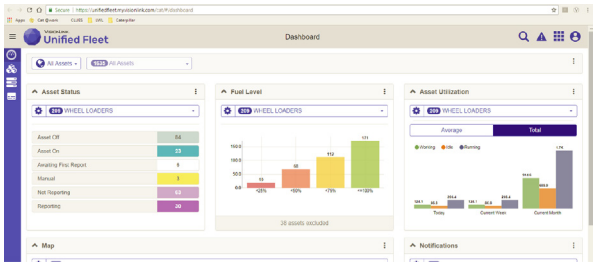
A PROTECTED POWERTRAIN

When the machine is turned off, a delayed engine shutdown system determines whether the engine needs additional cooldown time. If so, it moves the engine into idle for a short period before final shutdown. This helps preserve engine life and durability.

THRIVE WITH CAT TECHNOLOGY

SMART SYSTEMS THAT HELP SAVE YOU MONEY

The 988 features empowering technology that helps you work smarter, do more, and protect your investment.



UPGRADED TOUCHSCREEN WITH VITAL INFORMATION MANAGEMENT SYSTEM (VIMS™)

The improved touchscreen and user interface allow intuitive operation and easy navigation. VIMS™ decreases service time by keeping operators and technicians informed about machine systems and allows access to a wide range of machine data, helping reduce maintenance overhead and providing opportunities to increase productivity and efficiency.

- Create productivity reports with payload and work cycle segmentation.
- Identify operator training needs through productivity data.
- Access detailed data logging of machine parameters and diagnostic codes.
- Track sensor information with trend analysis and histograms to monitor machine health.
- Access Operator Coaching reporting through Visionlink™ (if equipped with Operator Coaching).



TIRE PRESSURE MONITORING SYSTEM (TPMS)

This fully-integrated feature allows operators to monitor tire inflation, keeping it optimized for fuel efficiency and best grip. Using the cab information display, the operator can quickly see the current pressure settings and temperature of each tire.



CAT PRODUCTION MEASUREMENT (CPM)

Cat Production Measurement* is an on-the-go scale system that brings payload weighing to the cab so operators can work more productively and deliver accurate loads with confidence. CPM's advanced weighing modes assist with payload accuracy and make the loading cycle faster.

*Not legal for trade.



CONNECTED BUCKET

Track the working hours of the bucket to help predict the need for bucket maintenance or replacement of wear parts. Contact your dealer for regional availability.



ROCK BUCKETS



HEAVY-DUTY ROCK BUCKETS



GENERAL PURPOSE BUCKETS



COAL BUCKETS

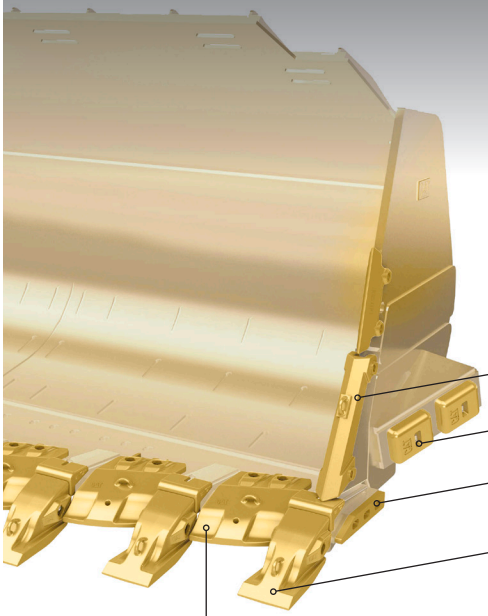
TOOLS TO GET EVERY JOB DONE AND LOWER YOUR COSTS

Cat ground engagement options give you the ability to adapt to any condition and do so while protecting your investment.

- Each bucket is designed to help make moving the appropriate material easy and efficient, and each is engineered with special features that help increase durability and service life.
- Cat Advansys™ ground engagement tools (GET) give you even more ability to adapt and specialize for higher profitability. These modular tips help protect expensive components, reduce your operating costs, and help you get the most out of your machine's performance.
- A number of GET components can be installed with simple, hammerless CapSure™ retention technology. CapSure tips, shrouds, and sidebar protectors are easily locked and unlocked with a 180-degree turn of a 3⁄4 inch (19 mm) ratchet, making the process fast, easy, and safe.

BUCKET GROUND ENGAGEMENT TOOLS

TOUGH ENGINEERING THAT MOVES MORE

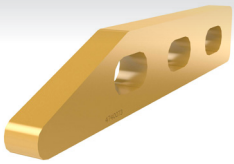




CapSure™ Sidebar Protector



MAWPs – on Side and Bottom



Base End Edge Protector

CapSure Tip Options



Heavy Duty Tip



Heavy Abrasion Tip

Edge Protection Options



CapSure Shrouds



Half Arrow Segment



Coal Tip



Heavy Penetration Tip

Please check out our Parts Catalog for more GET options.



THE 988 MILLYARD ARRANGEMENT

WORLD-CLASS EFFICIENCY AND DURABILITY

THE PERFORMANCE YOU NEED AT A LOW COST

PROVEN DESIGN THAT LOWERS YOUR COSTS

The 988 Millyard uses all the highly durable purpose-built structures, the advanced controls, and the efficient, long-life powertrain of the standard machine but provides the perfect tools and systems for forestry operations.

THE RIGHT TOOLS FOR EVERY JOB

Three different fork designs with differing clamp and tine arrangements give you the right tool for any load, from individual logs to massive bundles. Open, high-visibility designs allow operators to work more efficiently and safely. A specially designed high-capacity bucket is perfect for moving woodchips.

ADDED STRENGTH TO MOVE MORE

Unload a typical full-length log truck in a single pass with the larger lift and tilt cylinders and a unique tilt lever to maximize linkage force. Designed with 20% more lift capacity and 26% more tilt capacity over the standard 988.

CHANGE TOOLS QUICKLY

With an optional quick coupler and third valve hydraulic functions, your operators will be able to change forks or buckets in seconds.

BLOCK HANDLER AND STEEL MILL ARRANGEMENTS



OPTIMIZED FOR BLOCK HANDLING

The 988 Block Handler special arrangement is ready for whatever your quarry can throw at it. It delivers stability and durability with an optimized counterweight. Larger tilt and lift cylinders on the linkage help improve load control and ensure safe and long-lasting operation. Ride control acts as a shock absorber, providing the operator with a smoother ride over rough terrain.

STEEL MILL SPECIALTY ARRANGEMENT

Harsh steel mill environments can be tough on even the most durable machines, but this 988 has features that maximize uptime and ensure safety for the machine and operator. It is equipped with extra heat protection to axle seals, key hoses, and harnesses for improved reliability, and the transmission and parking brake override controls for enhanced operator safety.



TECHNICAL SPECIFICATIONS

See cat.com for complete specifications.

ENGINE		
Engine Model	Cat® C18	
Rated Speed	1,700 rpm	
Peak Power Speed	1,500 rpm	
Engine Power – ISO 14396:2002	432 kW	580 hp
Gross Power – SAE J1995:2014	439 kW	588 hp
Net Power – SAE J1349:2011	401 kW	538 hp
Bore	145 mm	5.7 in
Stroke	183 mm	7.2 in
Displacement	18.1 L	1,105 in^3
Peak Torque @ 1,200 rpm – SAE J1995:2014	2852 N·m	2,104 lb-ft
Torque Rise	58%	

- Three engine emission options are available:
  1. Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
  2. Meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
  3. Meets China Nonroad Stage IV emission standards
- Net power advertised is the power available at the flywheel when the engine is equipped with fan at minimum speed, air intake system, exhaust system, and alternator.

OPERATING SPECIFICATIONS		
Operating Weight	51 062 kg	112,574 lb
Rated Payload – Quarry Face	11.3 tonnes	12.5 tons
Rated Payload – Loose Material	14.5 tonnes	16.0 tons

TRANSMISSION					
Transmission Type			Cat planetary power shift		
Forward 1	6.5 km/h	4.0 mph	Reverse 1	7.5 km/h	4.7 mph
Forward 2	11.6 km/h	7.2 mph	Reverse 2	13.3 km/h	8.3 mph
Forward 3	20.4 km/h	12.7 mph	Reverse 3	23.2 km/h	14.4 mph
Forward 4	34.7 km/h	21.6 mph			

HYDRAULIC SYSTEM – LIFT/TILT	
Lift/Tilt System – Circuit	EH – positive flow control, flow sharing
Lift/Tilt System Pumps	Variable displacement piston
Relief Valve Setting – Lift/Tilt	32 800 kPa 4,757 psi

HYDRAULIC CYCLE TIME	
Rackback	4.5 seconds
Raise	8.0 seconds
Dump	2.2 seconds
Lower Float Down	3.5 seconds
Total Hydraulic Cycle Time (empty bucket)	18.2 seconds

HYDRAULIC SYSTEM – STEERING	
Steering System – Circuit	Pilot, load sensing
Steering System – Pump	Piston, variable displacement
Steering Cut Off Pressure	30 000 kPa 4,351 psi
Total Steering Angle	86°
Steering Cycle Time (high idle)	3.4 seconds
Steering Cycle Time (low idle)	5.6 seconds

BUCKET CAPACITIES	
Bucket Range	4.7-13.0 m^3 6.2-17.0 yd^3

DIMENSIONS	Standard Lift		High Lift	
Ground to Top of Rollover Protective Structure (ROPS)	4202 mm	13.8 ft	4202 mm	13.8 ft
Ground to Top of Exhaust Stacks	4521 mm	14.8 ft	4521 mm	14.8 ft
Ground to Top of Hood	3334 mm	10.9 ft	3334 mm	10.9 ft
Ground to Bumper Clearance	933 mm	3.1 ft	933 mm	3.1 ft
Rear Axle Center Line to Bumper	3187 mm	10.5 ft	3187 mm	10.5 ft
Front Axle Center Line to Bucket Tip	4254 mm	14.0 ft	4661 mm	15.3 ft
Wheel Base	4550 mm	14.9 ft	4550 mm	14.9 ft
Maximum Overall Length	11 991 mm	39.3 ft	12 398 mm	40.7 ft
Ground to Lower Hitch Clearance	568 mm	1.9 ft	568 mm	1.9 ft
Ground to Center of Axles	978 mm	3.2 ft	978 mm	3.2 ft
Clearance at Maximum Lift (45° Dump)	3641 mm	11.9 ft	4043 mm	13.3 ft
B-Pin Height at Maximum Lift	5485 mm	18.0 ft	5887 mm	19.3 ft
Maximum Overall Height – Bucket Raised	7455 mm	24.5 ft	7849 mm	25.8 ft
Reach at Maximum Lift (45° Dump)	1981 mm	6.5 ft	2062 mm	6.8 ft

- Specifications are calculated with 6.9 m^3 (9.0 yd^3) rock bucket and Michelin XLDD2 tires with 978 mm (3.2 ft) centerline of rear axle height.

AIR CONDITIONING SYSTEM

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas.
- If equipped with R134a (Global Warming Potential = 1430), the system contains 1.8 kg (3.9 lb) of refrigerant which has a CO_2 equivalent of 2.574 metric tonnes (2.837 tons).

SOUND	
Tier 4 Final/Stage V	
Operator Sound Pressure Level (ISO 6396:2008)	73 dB(A)
Machine Sound Power Level (ISO 6395:2008)	111 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)	72 dB(A)*
Machine Sound Power Level (ISO 6395:2008)	109 dB(A)**
Tier 3/Stage IIIA and Tier2/Stage II	
Operator Sound Pressure Level (ISO 6396:2008)	73 dB(A)
Machine Sound Power Level (ISO 6395:2008)	112 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)	72 dB(A)*
Machine Sound Power Level (ISO 6395:2008)	110 dB(A)**

*For machines in European Union countries and in countries that adopt the "EU Directives" and "UK Directives" or equipped with the sound-suppression package.

**European Union Directive "2000/14/EC" and UK Noise Regulation 2001 No. 1701 or machines equipped with the sound-suppression package.

- The machine sound power level was measured according to ISO 6395:2008. The measurement was conducted at 70% of the maximum engine cooling fan speed.
- The operator sound pressure level was measured according to ISO 6396:2008. The measurement was conducted at 70% 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.

STANDARD & OPTIONAL EQUIPMENT

Standard and optional equipment may vary. Consult your Cat® dealer for details.

ELECTRICAL	STANDARD	OPTIONAL
Alternator, single 150 amp	●	
Auxiliary jump start receptacle	●	
Converter, 10/15 amp, 24V to 12V	●	
Lighting system (LED work lights, access and service platform lighting)	●	
Lighting system (high performance LED work lights, access and service platform lighting)		●
Engine compartment service lights		●
Starting and charging system, 24V	●	
Starter lockout in bumper	●	
Transmission lockout in bumper	●	

OPERATOR ENVIRONMENT	STANDARD	OPTIONAL
Air conditioner	●	
Cat Vision, rear-vision camera system	●	
Cat Detect, object detection system		●
Cat Production Measurement ready	●	
Cat Production Measurement		●
Cab, sound suppressed and pressurized, integrated rollover protective structure/ falling objects protective structure (ROPS/ FOPS), radio ready for entertainment, includes antenna, speakers, and converter (12-volt 5-amp) and power port	●	
Cab precleaner	●	
Configurable Operator IDs	●	
Configurable Machine Overload Prevention	●	
Controls, lift and tilt function	●	
3rd function valve controls		●
Graphical information display	●	
Instrumentation, gauges: coolant temperature, engine hour meter, hydraulic oil temperature, powertrain oil temperature	●	
Mirrors, rearview (externally mounted)	●	
Radio, AM/FM/CD/MP3 Bluetooth®	●	
Radio, CB ready	●	
Rimpull control system (RCS)	●	
Seat, deluxe	●	
Seat, premium plus containing forced air heating and cooling, 2-way thigh adjustment, power lumbar and back bolster adjustment, ride stiffness, dynamic end dampening and leather finish		●
Seat belt, retractable, 76 mm (3 in) wide	●	
Steering and Transmission Integrated Control (STIC™) system	●	
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	●	
Operator presence	●	
Slope indication	●	

POWERTRAIN	STANDARD	OPTIONAL
Premixed 50% concentration of extended life coolant with freeze protection to -34°C (-29°F)	●	
Automatic retarding controls	●	
Brakes, oil-cooled, multi-disc, service/ secondary	●	
Electro hydraulic parking brake	●	
Engine, C18 Mechanically Actuated Electronic Unit Injection (MEUI™) diesel, turbocharged/aftercooled	●	
Engine oil change system, high speed, Wiggins	●	
Ground level engine shutdown switch	●	
Turbine precleaner, engine air intake	●	
Turbine precleaner, engine air intake dual stage		●
Radiator, aluminum modular radiator (AMR)	●	
Throttle lock, electronic	●	
Torque converter, impeller clutch (ICTC) with lock up clutch (LUC), rimpull control system	●	
Transmission, planetary power shift, 4F/3R electronic control	●	

ADDITIONAL EQUIPMENT	STANDARD	OPTIONAL
Operator Assist, tire slip prevention, auto set tires, and lift stall prevention		●
Operator coaching		●
Cold weather package: additional starter and 2 batteries, engine block heater 120V or 240V, heated fuel lines		●
Automatic bucket lift kickout/positioner	●	
Cat Clean Emission Module (CEM)	●	
Fuel tank, 712 L (188 gal)	●	
Fast fill fuel system (Shaw-Aero)		●
Hitch, drawbar with pin	●	
Hydraulic, steering and brake filtration/ screening system	●	
Hydraulically driven demand fan	●	
Load and carry counterweight		●
Steering, load sensing	●	
Tire pressure monitoring system		●
Vandalism protection caplocks	●	

OTHER OPTIONAL CONFIGURATIONS	STANDARD	OPTIONAL
Aggregate handler		●
Load and carry		●
Millyard		●
Steel mill		●
Block handler		●



オフロード法２０１４年
基準適合



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

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AEXQ3704-01 (10-2025)
Replaces AEXQ3704-00
Build Number: 11B
(Global)