

834

WHEEL DOZER



Gross Power	419 kW (562 hp)
Operating Weight	47 750 kg (105,271 lb)

Meets U.S. EPA Tier 4 Final and EU Stage V emission standards, or emits equivalent to U.S. EPA Tier 3 and U.S. EPA Tier 2.



The Cat® 834 Wheel Dozer is designed and built for longer machine life and simplified serviceability, helping with low owning and operating costs. Delivering fast speed, the reliable 834 enables quick cleanup on the job site, so you can get the job done fast.

THE CAT® 834

PERFORMANCE THAT PAYS.



LOWERING YOUR COSTS WITH EFFICIENCY AND DURABILITY

The Cat 834 Wheel Dozer delivers sustained efficiency, enhanced durability, and safety.

- + THE CAT C18 ENGINE, GREAT FUEL EFFICIENCY, AND ADVANCED IDLING CONTROLS ON EVERY SITE
- + ADVANCED SAFETY FEATURES GIVE YOU PEACE OF MIND AND HELP REDUCE RISK
- + DURABLE DESIGN ENSURES LONG LIFE TO PROTECT YOUR INVESTMENT



MORE POWER WITH
LESS COST

POWER TO DO MORE AT A LOW COST

The Cat C18 engine meets the most demanding applications while offering maximum fuel efficiency. Optimum performance is built in through the use of a 6-cylinder, 4-stroke design.

MAXIMUM DURABILITY

Robust structures, from a full box-section frame to resilient dozer blades, ensure you'll get the most from your machine.

SAFE OPERATION

An increased glass area for great visibility and a high performance LED package for improved night vision keep your operator fully aware and workers safe. The operator-presence detection system applies the parking brake if the operator is not seated for added protection.





BUILT FOR SUSTAINABILITY

DESIGNED FOR LOW FUEL BURN AND REDUCED ENVIRONMENTAL IMPACT

- + Engine idle shutdown and auto idle kickdown help save fuel by avoiding unnecessary idling.
- + Reduce waste generation with maintenance-free batteries.
- + The 834 is built for multiple lives. To assist with maximizing machine life, choose from sustainable options such as Reman and Certified Rebuild programs. In these programs, reused or remanufactured components can help lower operating cost.
- + Retrofit packages bring new features to older machines, maximizing the resource. Retrofit kits are part of the rebuild process in the Cat Certified Rebuild program.



EQUIPMENT MANAGEMENT

TAKES THE GUESSWORK OUT OF MANAGING YOUR EQUIPMENT

Cat Equipment Management telematics technology helps take the complexity out of managing your job sites by gathering data generated by your equipment, materials, and people and serving it up to you in customizable formats.

CAT PRODUCT LINK™

Product Link™ collects data automatically and accurately from your assets – any type and any brand. Information such as location, hours, fuel usage, productivity, idle time, maintenance alerts, diagnostic codes, and machine health can be viewed online through web and mobile applications.



VISIONLINK®

Access information anytime, anywhere with VisionLink® – and use it to make informed decisions that boost productivity, help lower costs, simplify maintenance, and improve safety and security on your job site. With different plan level options, your Cat dealer can help you configure exactly what you need to connect your fleet and manage your business, without paying for extras you don't want. Plans are available with cellular or satellite reporting or both.



VITAL INFORMATION MANAGEMENT SYSTEM (VIMS™)

Proactively manage machine health and production. This user-friendly interface monitor is available in the cabin and allows operators to monitor real-time machine performance and operating data. Access diagnostics, prognostic trends, and production information such as payload, haul cycle times, segment times, and fuel usage.



ALL SYSTEMS GO

WORKING
IN SYNC
TO HELP LOWER
**FUEL
CONSUMPTION**



SYSTEM INTEGRATION IS KEY
TO PROMOTING EFFICIENCY

WHOLE-SYSTEM APPROACH

Deep system integration among engine and emissions, powertrain, hydraulic, and cooling systems helps lower fuel consumption.

THE CAT C18 ENGINE

Innovative systems, including new electronics, fuel injection, and air management, effectively help lower the average working engine speed and reduce overall heat loads for improved performance and fuel burn.

REDUCE IDLING

Engine idle shutdown and auto idle kickdown control systems help eliminate unnecessary idling, further reducing fuel burn.



MOVE MORE WITH LESS FUEL
INCREASED EFFICIENCY

DO MORE WITH GREAT AGILITY



The 834's design helps shorten cycle times and results in great efficiency and utility.

POWERFUL PUMP BOOSTING

A variable displacement load-sensing implement and steering pumps help deliver on-demand hydraulic flow instead of increasing engine speed. This helps with improved fuel efficiency.

SMOOTH CYCLES

The 834's agile design and low-effort integrated controls help result in smooth, fast cycles and less operator fatigue.

APECS POWERSHIFT

The world-class Cat planetary powershift transmission features advanced productivity electronic control strategy (APECS) technology for great momentum on grades. Carrying that momentum through the shift points helps increase fuel savings.

STRONG STRUCTURES THAT PROTECT YOUR INVESTMENT

ENHANCED DURABILITY



TOUGHER COMPONENTS

The upper hitch pin, frame plate, and bearing are larger and more durable. Optimized axle mounting adds to the structural integrity, and tougher heavy-duty steering cylinder mounts efficiently transmit steering loads into the frame.



RESILIENT FRAME

The full box-section rear frame resists torsional shock and twisting forces, and solid through-width push beam transfers and absorbs stresses. All this contributes to your machine's long-term value.



ROBUST CONSTRUCTION

The 834's robust structures withstand the toughest conditions and multiple lifecycles help to improve your bottom line.



DESIGNED FOR DOZING

The push beam preserves your frame and is designed to match the way you work. The 834's push beam is through-width, not merely attached to the side of the frame. When corner dozing, stresses are transferred and absorbed through a larger portion of the frame, increasing the machine's durability and protecting your investment.

STIC™ MAKES CONTROL EASY

The Steering and Transmission Integrated Control (STIC™) system combines directional selection, gear selection, and steering into a single lever, maximizing responsiveness and control while helping to reduce operator fatigue.

REDUCED VIBRATION

Isolated cab mounts, seat-mounted implements, and a seat designed for maximum ride comfort all add up to less vibration and less operator fatigue.

TOUCHSCREEN INTERFACE

The touchscreen display gives operators critical information when they need it. An enhanced user interface allows for intuitive operation and easy navigation.

ENHANCED VISIBILITY FEATURES

More glass area for improved visibility and a high-performance LED package for enhanced night vision. Optional heated mirrors offer more visibility for safe operation.

BUILT-IN SAFETY CONTROLS

Operator-presence detection system applies parking brake if operator is not seated.



HIGH AWARENESS TO KEEP YOUR TEAM SAFE
SAFETY FEATURES

WORLD-CLASS OPERATOR COMFORT AND ERGONOMICS OPERATOR STATION



ENTRY AND EXIT

Enter and exit the cab easily and safely with fold-up STIC steer/armrest, reduced angles on access stairways, and standard stairway lighting.

COMFORTABLE CAB ENVIRONMENT

Experience reduced vibrations thanks to isolation cab mounts and seat air suspension. Maintain desired cab temperature with automatic temperature controls.

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. The seat also features a flip-up armrest for easier ingress/egress.

CONTROL PANEL

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

SAVE ON MAINTENANCE

SAFE AND CONVENIENT SERVICING THAT SAVES TIME



INTUITIVE DESIGN

Daily service points are grouped for easy access from the ground or the platform. The hydraulic oil cooler, air conditioner condenser, and fuel cooler are grouped together.

FLUID ACCESS

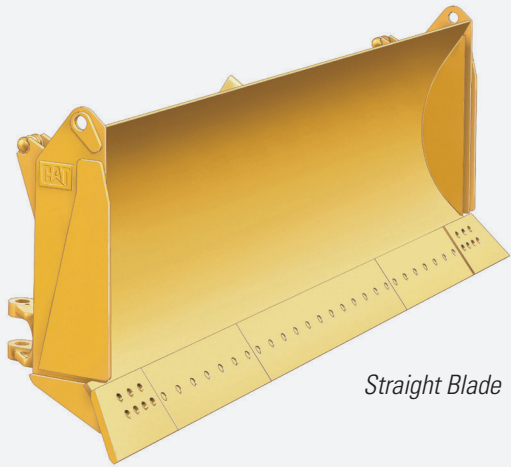
Sight gauges offer quick visual inspections of fluid levels to minimize contamination. Ecology drains prevent spills and allow for easier service.

EASY-ACCESS DOORS

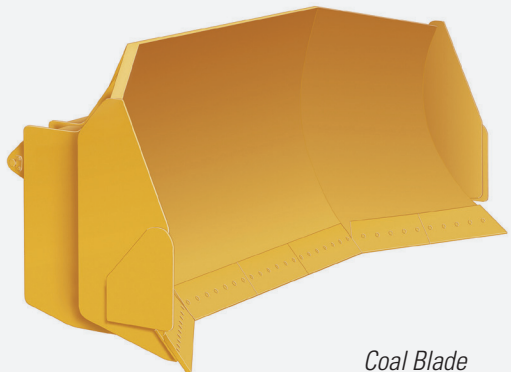
Swing-out doors on either side of the engine compartment provide easy access for daily service or component changes.

BLADES TO MATCH YOUR DOZING REQUIREMENTS

BLADES THAT LAST



Straight Blade



Coal Blade

DURABLE BLADES

Cat blades are resilient, durable, and designed with excellent dozing and rolling characteristics, and deliver long-lasting service.

- + Capacities and widths are set to achieve increased productivity.
- + Design makes it easier to spread cover material and allows for dozing of heavier loads.

STRAIGHT BLADE

The straight blade (7.9 m³/10.3 yd³) delivers excellent performance in production dozing in stockpile material and general earthmoving.

COAL BLADE

The coal blade (22.2 m³/29 yd³) allows precise and productive dozing while helping to retain load control with increased capacity for lighter materials. Wing angles help retain the load during all parts of the cycle. This blade is available from Cat Work Tool and Services (CWTS).

SPECIFICALLY ENGINEERED FOR WOOD CHIP AND COAL APPLICATIONS

LARGE CAPACITY SCOOPS

- + Cat wood chip and coal scoops have the unique capability of helping to maximize your production by both dozing and carrying a load with each pass.
- + A purpose-built hydraulic system, optimized for use with this work tool, helps to maximize machine productivity and efficiency.
- + Dual lift cylinders provide hydraulic lift capacity matched to the demands of the application.
- + Can be equipped with optional ground level accessible swing-out reversing fan for quick inspection and easy cleanout.
- + Equipped with underhood ventilation system which creates a neutral pressure environment to prevent wood chip ingestion from hood openings while providing fresh air to the alternator, electronics, and turbo.
- + Extended top guard for increased capacity for wood chip scoops.
- + Higher ground pressure decreases risk of fires and maximizes use of storage space.
- + Less damage to coal or wood chips due to rubber tires.
- + High ground speed provides ability to manage multiple piles.
- + Scoop design allows load and carry function for mixing.
- + Lift and tip-out design makes stockpiling operations easy.
- + Scoop tilt control is standard to maximize work site efficiency.



TECHNICAL SPECIFICATIONS

See cat.com for complete specifications.

ENGINE		
Engine Model	Cat® C18	
Rated Speed	1,900 rpm	
Peak Power Speed	1,500 rpm	
Gross Power (SAE J1995:2014)	419 kW	562 hp
Net Power (SAE J1349:2011)	370 kW	496 hp
Peak Torque @ 1,300 rpm	2836 N·m	2,092 lbf·ft
Torque Rise	52%	
Bore	145 mm	5.7 in
Stroke	183 mm	7.2 in
Displacement	18.1 L	1,105 in³

- The following engine emissions options are available:
 - Meets U.S. EPA Tier 4 Final and EU Stage V emission standards.
 - Emits equivalent to U.S. EPA Tier 3.
 - Emits equivalent to U.S. EPA Tier 2.
- Net power advertised is the power available at the engine flywheel when the engine is equipped with a fan, air cleaner, clean emissions module, and alternator.

WEIGHT		
Operating Weight	47 750 kg	105,271 lb

BLADE		
Blade Capacity Range	7.9 - 22.2 m³	10.3 - 29.0 yd³

AXLES	
Front	Fixed
Rear	Trunnion
Oscillation Angle	± 13°

TRANSMISSION					
Transmission Type			Cat Planetary Powershift		
Speed	km/h	mph	Speed	km/h	mph
Converter Drive			Direct Drive		
Forward 1	6.8	4.2	Forward 1	Lock-up disabled	
Forward 2	11.6	7.2	Forward 2	12.4	7.7
Forward 3	20.3	12.6	Forward 3	22.1	13.7
Forward 4	35.4	22.0	Forward 4	38.5	23.9
Reverse 1	6.8	4.2	Reverse 1	7.2	4.5
Reverse 2	12.2	7.6	Reverse 2	13.0	8.1
Reverse 3	24.1	13.3	Reverse 3	23.0	14.3

- Travel speeds based on 35/65-R33 tire.

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 CO ₂ equivalent of 2.574 metric tonnes.

SERVICE REFILL CAPACITIES		
Fuel Tank – standard	793 L	209.5 gal
Cooling System	120 L	31.7 gal
Crankcase	60 L	15.9 gal
Diesel Exhaust Fluid Tank*	33 L	8.7 gal
Transmission	120 L	31.7 gal
Differentials and Final Drives – front	186 L	49.1 gal
Differentials and Final Drives – rear	186 L	49.1 gal
Hydraulic System Factory Fill	240 L	63.4 gal
Hydraulic System (tank only)	140 L	37.0 gal

- * All nonroad Tier 4 Final/Stage V technology diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels** up to:
 - 20% biodiesel FAME (fatty acid methyl ester)*
 - 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details.

- * Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).

- ** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

- Cat DEO-ULS™ or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specifications are required.

SOUND PERFORMANCE	
Tier 4 Final/Stage V	
Operator Sound Pressure Level (ISO 6396:2008)	72 dB(A)
Machine Sound Power Level (ISO 6395:2008)	113 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)	72 dB(A)*
Machine Sound Power Level (ISO 6395:2008)	109 dB(A)**
Tier 3/Tier 2	
Operator Sound Pressure Level (ISO 6396:2008)	72 dB(A)
Machine Sound Power Level (ISO 6395:2008)	113 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”

- ** European Union Directive “2000/14/EC” as amended by “2005/88/EC” and UK Noise Regulation 2001 No. 1701
- 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
Alarm, back-up	•	
Alternator, single 100 amp	•	
Batteries, dry	•	
Converter, 10/15 amp, 24V to 12V	•	
Hazardous voltage lamp	•	
Lighting system (LED work lights, access and service platform lighting)	•	
Lighting system (high performance LED work lights, access and service platform lighting)		•
Lighting system underhood service lighting		•
Starter emergency start receptacle	•	
Starter lockout in bumper	•	
Starting and charging system, 24V	•	
Transmission lockout in bumper	•	
OPERATOR ENVIRONMENT	STANDARD	OPTIONAL
Air conditioner	•	
Cab precleaner		•
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	•	
Cat Detect (object detection system)		•
Cat Vision, rear-vision camera system	•	
Graphical information display, displays real-time operating information, performs calibrations, and customizes operator settings	•	
Instrumentation, gauges: coolant temperature, engine hour meter, hydraulic oil temperature, powertrain oil temperature	•	
Radio, AM/FM/CD/MP3 Bluetooth®	•	
Radio, CB ready	•	
Radio, AM/FM/CD/MP3 Bluetooth with Satellite SiriusXM		•
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		•
Steering and Transmission Integrated Control (STIC™) system	•	
Wet-arm wipers/washers (front and rear) – intermittent front and rear wipers	•	

POWERTRAIN	STANDARD	OPTIONAL
Automatic retarding controls	•	
Brakes, oil-cooled, multi-disc, service/secondary	•	
Case drain screens	•	
Electro hydraulic parking brake	•	
Engine, C18 Mechanically Actuated Electronic Unit Injection (MEUI™) diesel, turbocharged/aftercooled	•	
Premixed 50% concentration of extended life coolant with freeze protection to -34°C (-29°F)	•	
Turbine precleaner, engine air intake	•	
Turbine precleaner, engine air intake dual stage		•
Radiator, aluminum modular radiator (AMR)	•	
Starting aid, ether, automatic	•	
Throttle lock, electronic	•	
Torque converter, impeller clutch (ICTC) with lock-up clutch (LUC), and rimpull control system	•	
Transmission, planetary power shift, 4F/3R electronic control	•	
ADDITIONAL EQUIPMENT	STANDARD	OPTIONAL
Cold weather package: additional starter and 2 batteries, engine block heater 120V or 240V, heated fuel lines		•
Cat Clean Emission Module (CEM)	•	
Ecology drains for engine, radiator, hydraulic tank	•	
Hydraulically driven demand fan	•	
Oil sampling valves	•	
Rear access to cab and service platform	•	
Steering, load sensing	•	
Toe kicks	•	
Tire pressure monitoring system		•
Transmission brake	•	
Vandalism protection caplocks	•	
Wheel chocks		•
OTHER OPTIONAL ARRANGEMENTS	STANDARD	OPTIONAL
Scoop		•

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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