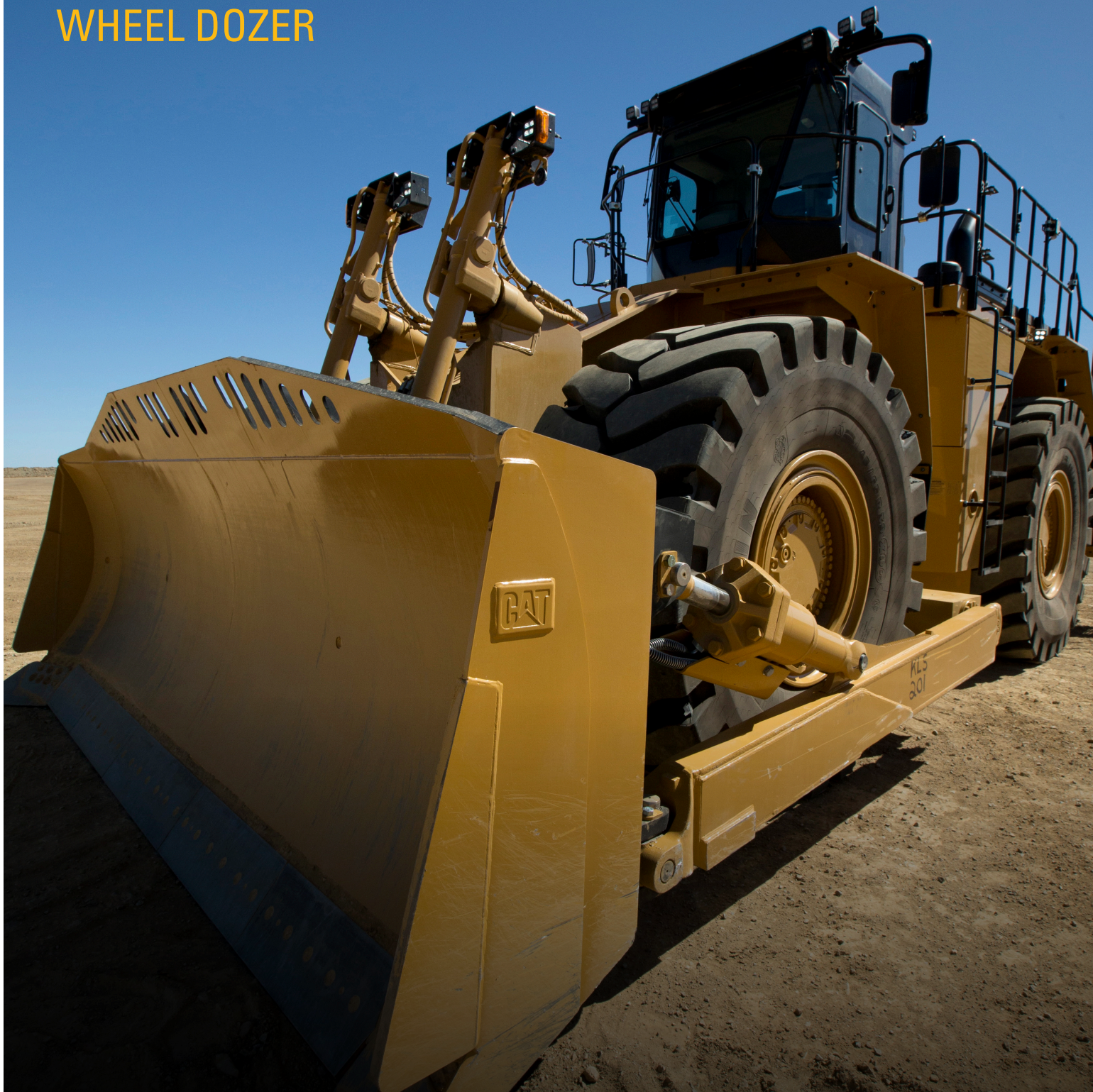


844

WHEEL DOZER



Gross Power – ISO 14396:2002
Operating Weight

561 kW (752 hp)
74 883 kg (165,089 lb)

Meets U.S. EPA Tier 4 Final and EU Stage V emission standards, or China Nonroad Stage III emission standards, equivalent to U.S. EPA Tier 2.



The Cat® 844 Wheel Dozer is designed with built-in durability and enhanced maintenance features, helping with long machine life and low owning and operating costs. With improved site-level efficiency, the 844 helps safely move more material at a low cost per ton and in the toughest conditions.

THE CAT® 844

PRODUCTIVITY THAT PAYS.



LOWERING YOUR COSTS WITH EFFICIENCY AND DURABILITY

The Cat 844 Wheel Dozer delivers sustained efficiency, enhanced durability, and safety.

- + THE CAT C27 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 C27 engine meets the most demanding applications while offering maximum fuel efficiency. Optimum performance is built in through the use of a 12-cylinder, direct injection design. An on-demand cooling fan helps protect the investment and lengthens its lifecycle.

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

Optional rear object detection enhances the great visibility provided from the rearview camera 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.*

*Applies when the machine is stationary. Caterpillar recommends that the parking brake be applied when the machine is not in motion.





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 844 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 C27 ENGINE

Optimum performance is built in through the use of a 12-cylinder, direct injection design. Extend engine life and improve fuel efficiency with reduced rated speed, and optimize performance and quick engine response with an electronic control module.

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 844'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 844's agile design and low-effort integrated controls help result in smooth 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 spread hitch design features double tapered roller bearings and hardened pins that help resist both horizontal and vertical loads. Optimized axle mounting adds enhanced strength in key pin areas through the use of one-piece castings, adding to the structural integrity.



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



DESIGNED FOR DOZING

The push beam preserves your frame and is designed to match the way you work. The 844'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

Standard high intensity discharge (HID) lights help improve visibility and a high-performance LED package helps enhance night vision. Optional heated mirrors and optional rear object detection offer more visibility for safe operation.

BUILT-IN SAFETY CONTROLS

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

*Applies when the machine is stationary. Caterpillar recommends that the parking brake be applied when the machine is not in motion.



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 heated and actively cooled leather, adjustable lumbar support, air adjustable bolsters on the seat and backrest, seat cushion tilt adjustment, and adjustable-length seat cushion.

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



SIMPLIFIED SERVICE

Service center includes drain and fill, electronic technician connection, and fluid level status. 500-hour engine oil and filter change interval with S•O•SSM oil sampling analysis.

BUILT-IN PROTECTION

Axle oil cooler and automatic retarder control help prevent unnecessary wear from accelerating down declines. Ecology drains help prevent spills and allow for easier service.

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.

INNOVATIVE OPTIONS HELP PROVIDE INCREASED SAFETY



POWER SERVICE AT GROUND LEVEL

Battery disconnect, emergency engine shutdown, and stairway light switch are accessed through the ground level power service center.

EASY ACCESS

Wider stairs with reduced stair angles help increase safety for operators. Access stairs via a powered platform from cab or ground level and have emergency egress access.

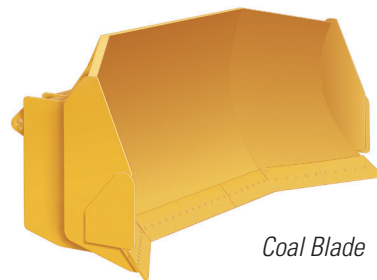
INCREASED AWARENESS

Optional Cat Detect with object detection system (rearview camera and radar) or Vision (rearview camera) help increase operator awareness around the machine.

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.

COAL BLADE

Help increase your productivity with a Cat coal blade designed to retain load control and a large capacity for lighter materials.

SEMI-U BLADE

Featuring the characteristics of the S and U blades into one package for increased capacity while retaining the excellent spreading characteristics of a straight blade.

HEAVY-DUTY SEMI-U

For unmatched durability in high wear applications the Semi-U blade features:

- + Hardox 400 liner plate and side plates.
- + Additional reinforcements on the bottom of the blade.

TECHNICAL SPECIFICATIONS

See cat.com for complete specifications.

ENGINE		
Engine Model	Cat® C27	
Rated Speed	1,800 rpm	
Engine Power – ISO 14396:2002	561 kW	752 hp
Gross Power – SAE J1995:2014	571 kW	766 hp
Net Power – SAE J1349:2011 (Standard Ambient)	521 kW	699 hp
Net Power – SAE J1349:2011 (High Ambient)	483 kW	648 hp
Bore	137.2 mm	5.4 in
Stroke	152.4 mm	6.0 in
Displacement	27.03 L	1,649.5 in ³
Peak Torque @ (speed)	3557 N•m	2,624 lb-ft
Torque Rise	18%	

- The following engine emissions options are available:
 - Meets U.S. EPA Tier 4 Final and EU Stage V emission standards.
 - Meets China Nonroad Stage III emission standards, 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.

OPERATING SPECIFICATIONS		
Operating Weight	74 883 kg	165,089 lb
Blade Capacities	15.9 - 30.7 m ³	20.7 - 40.2 yd ³

BRAKES	
Brakes	Meets ISO 3540:2011

AXLES	
Front	Fixed
Rear	Trunnion
Oscillation Angle	± 8.5°

TRANSMISSION					
Transmission Type			Cat Planetary Powershift		
Speed	km/h	mph	Speed	km/h	mph
Converter Drive			Direct Drive		
Forward 1	7.3	4.5	Forward 1	Lock-up disabled	
Forward 2	13.3	8.3	Forward 2	13.7	8.5
Forward 3	22.9	14.2	Forward 3	24.5	15.2
Reverse 1	7.9	4.9	Reverse 1	8.7	5.4
Reverse 2	14.7	9.1	Reverse 2	15.4	9.6
Reverse 3	24.9	15.5	Reverse 3	26.4	16.4

• Travel speeds based on 45/65-45 L-5 46 ply tires.

HYDRAULIC SYSTEM – LIFT/TILT		
Output at 2,000 rpm and 6900 kPa (1,000 psi)	311 L/min	82 gal/min
Cylinder, Double-acting: Lift, Bore and Stroke	133 mm × 1535 mm	5.25 in × 60.4 in
Cylinder, Double-acting: Tilt and Tip, Bore and Stroke	210 mm × 188 mm	8.25 in × 7.4 in
Relief Valve Setting – Bulldozer (Large Pump)	18 650 kPa	2,700 psi
Relief Valve Setting – Tilt Cylinders (Small Pump)	20 150 kPa	2,920 psi

HYDRAULIC SYSTEM – STEERING		
Steering System – Circuit	Pilot, load sensing	
Steering System – Pump	Piston, variable displacement	
Minimum Turning Radius (over blade)	10 369 mm	34.0 ft
Total Steering Angle	35 degrees	
Maximum Flow	357 L/min	94.3 gal/min
Relief Valve Setting	31 000 kPa	4,500 psi

SERVICE REFILL CAPACITIES		
Fuel Tank – Standard	1085 L	286.6 gal
Cooling System	208 L	54.9 gal
Crankcase	76 L	20.0 gal
Transmission	110 L	29.1 gal
Differentials and Final Drives – Front	271 L	71.6 gal
Differentials and Final Drives – Rear	261 L	68.9 gal
Hydraulic System – Implement and Hydraulic Fan	261 L	68.9 gal
Hydraulic System – Steering and Braking	132 L	34.9 gal

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.

SOUND PERFORMANCE		
Operator Sound Pressure Level (ISO 6396:2008)	69 dB(A)	69 dB(A)*
Machine Sound Power Level (ISO 6395:2008)	115 dB(A)	113 dB(A)**

- 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, 150 amp	•	
Batteries, maintenance free (4 – 1,400 CCA)	•	
Battery disconnect and jump start receptacle, bumper	•	
Deutsch terminal connectors	•	
Electrical system, 24V	•	
Electronic transmission control	•	
Lighting system, halogen (front and rear) lighting, access stairway, engine compartment	•	
Lights, LED		•
Product Link™ (Cellular)		•
Product Link (Satellite)		•
Starter lockout in bumper	•	
Starting and charging system, 24V	•	
Transmission lockout in bumper	•	
POWERTRAIN	STANDARD	OPTIONAL
Brakes, oil cooled, multi-disc, service/secondary	•	
Driveline parking brake	•	
Engine brake		•
Engine, Cat C27	•	
Fuel priming pump (electric)	•	
Ground level engine shutoff	•	
No spin rear axle		•
No spin rear axle and oil cooler		•
Precleaner, engine air intake (above hood)	•	
Precleaner, raised		•
Radiator, aluminum modular (AMR)	•	
Starting aid, (ether) automatic	•	
Throttle lock electronic	•	
Torque converter, impeller clutch with lock-up clutch (ICTC) and rimpull control system	•	
Transmission, 534 mm (21 in) planetary power shift (electronic) (3F/3R)	•	
SAFETY	STANDARD	OPTIONAL
Alarm, backup	•	
Camera, rear vision	•	
Egress, powered rear access		•
Emergency platform egress	•	
Implement lockout switch	•	
LED warning strobe		•
Mirrors, rearview (externally mounted)	•	
Object detection (radar)		•
Seat belt, retractable, 76 mm (3 in) wide	•	
Separate external protective rollover protective structure/falling objects protective structure (ROPS/FOPS)	•	
Stairway, left and right rear access	•	

SAFETY (CONTINUED)	STANDARD	OPTIONAL
Steering and transmission lock lever, cab	•	
Steering, secondary	•	
Seat, trainer with lap belt, 76 mm (3 in) wide	•	
Toe kicks	•	
Wheel chocks		•
OPERATOR ENVIRONMENT	STANDARD	OPTIONAL
Advisor display, displays real time operating information, performs calibrations and customizes operator setting	•	
Air conditioner and heater with automatic temperature control	•	
Air precleaner, powered	•	
Cab, sound-suppressed pressurized, separate external ROPS/FOPS	•	
Cigar lighter and ashtray	•	
Coat hook	•	
Converter (12V, 10-15 amp) and power port	•	
Digital display on center console: gear, ground speed, machine hours	•	
Electro-hydraulic blade controls, joystick	•	
Heater and defroster	•	
Horn, electric	•	
Instrumentation, gauges: engine coolant temperature, fuel level, hydraulic oil temperature, powertrain oil temperature, tachometer	•	
Instrumentation, warning indicators: action alert system	•	
Light, cab, dome	•	
Lunchbox and beverage holders	•	
Premium seat with heated and actively cooled leather, adjustable lumbar support, air adjustable bolsters on the seat and backrest, seat cushion tilt adjustment, and adjustable-length seat cushion	•	
Radio, AM/FM with Bluetooth®, USB port, 3.5 mm AUX input	•	
Radio, Sirius XM/AM/FM radio with Bluetooth technology, USB port, 3.5 mm AUX input		•
Rubber mounted cab glass		•
Tinted glass	•	
Wet-arm wipers/washers (front, rear, and corner) – intermittent front wiper	•	
Window sun screen		•

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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