

854G

Wheel Dozer



Engine

Engine Model	3508B EUI diesel	
Gross Power	656 kW	880 hp
Flywheel Power	597 kW	800 hp

Weights

Operating Weight	99 395 kg	219,128 lb
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Operating Specifications

Blade Capacities	25 to 45 m ³	33 to 58 yd ³
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854G Wheel Dozer

A strong power train, combined with a heavy-duty front frame, provides long life and economical operation.

Power Train

- ✓ The Cat® 3508B turbocharged EUI diesel engine is Tier 2 compliant combined with ADEM™ II and the Impeller Clutch Torque Converter with lockup clutch provides smooth shifting with direct drive efficiency, while the Rimpull Control System matches power to ground conditions. **pg. 4**

Complete Customer Support

Your Cat dealer offers a wide range of services that help you operate longer with lower cost. **pg. 12**

Structures

The 854G features a box-section rear frame and two-plate front frame design, providing strength and stability. Together they provide resistance to dozing shocks and stresses, absorbing shock loads and twisting forces. **pg. 6**

Hydraulics

The invisible forces behind the mobility and versatility of the 854G are two, independent hydraulic systems and load sensing steering. **pg. 7**

Engineered for demanding work in large dozing applications. The 854G Wheel Dozer is the largest in the Caterpillar® wheel dozer line and is an ideal match for large mining operations, power generating utilities, the general contracting industry and wherever mobility and production dozing is needed.



Operator Station

- ✓ High levels of efficiency and comfort come from the STIC controller and state-of-the-art cab that features a wide range of viewing, low sound levels, improved ventilation and easy entry and exit. **pg. 8**

Blades and Blade Controls

Choose from a number of different blades with replaceable, bolt-on cutting edges and bottom wear plates that protect the blade, resulting in longer life. A single lever hydraulically controls all blade functions. **pg. 10**

Serviceability

Maintenance jobs are easier with ground level access to major service points. Large engine doors, rear access stairs and convenient service platform with large doors enhance servicing. **pg. 11**



✓ *New Feature*

Power Train

The 854G power train delivers top performance and durability in tough applications.



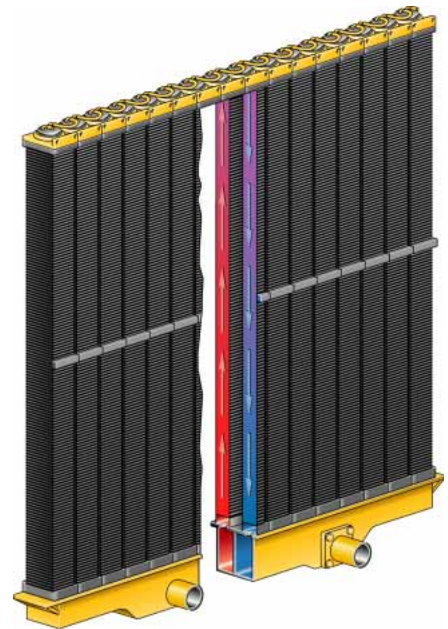
Cat 3508B Diesel Engine. Is a four-stroke design and uses long, effective power strokes for more complete fuel combustion and optimum efficiency. (1) It is designed with large displacement and a low speed rating for long hours of service between scheduled overhauls and lower operating costs.

Torque Rise. Of 30 percent provides high lugging force during dozing and acceleration in high rimpull conditions. The torque curve effectively matches the transmission shift points to provide maximum efficiency and faster cycle times.

Electronic Unit Injection (EUI). Is a proven high-pressure, direct injection fuel system that electronically monitors operator demands and sensor inputs to optimize engine performance.

ADEM™ II (Advanced Diesel Engine Management System). Controls the fuel injector solenoids to start and stop fuel injection. This system provides automatic altitude compensation, air filter restriction indication and will not allow the engine to fire until it has oil pressure, acting as cold start protection and a form of pre-lube.

Separated Cooling System. Isolates the radiator and fan from the engine compartment providing lower sound levels, more efficient cooling and a sloped hood for increased viewing. (2)



Advanced Modular Cooling System (AMOCS). Improves cooling capabilities by using a parallel flow system with 16 cores. Serviceability is improved with AMOCS as there is no top tank to remove and the radiator guard does not have to be tilted to remove the cores.

Separate Circuit Aftercooling (SCAC).

Dedicates six of the radiator's cores to the independent aftercooler circuit. This allows the aftercooler circuit to operate cooler, resulting in denser air charge and improved emissions.

Additional Engine Features. Include:

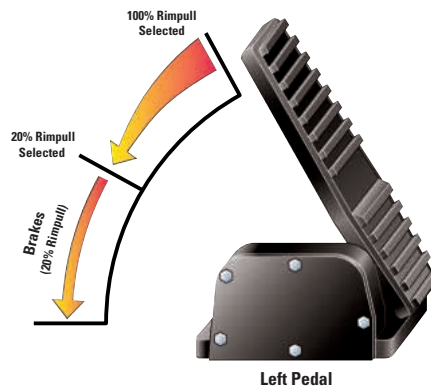
- Two-piece piston with steel crown (three rings) and thermally isolated aluminum skirt
- Copper-bonded crankshaft bearings
- Hardened crankshaft journals
- Two hard faced inlet and exhaust valves per cylinder, valve rotators and hard alloy-steel seats
- Self-aligning roller followers on camshaft
- Dry-type radial seal air cleaners with primary and secondary elements and precleaner
- Direct electric 24-volt starting system with 100-amp alternator and four 190-amp-hour, low-maintenance, high-output, 12-volt batteries

Caterpillar Planetary Power Shift

Transmission. Features perimeter-mounted, large diameter clutch packs that control inertia for smooth shifting and increased component life. (3) The electronically controlled transmission enhances productivity, durability and serviceability.

- Top side power train filter removal

Final Drives. Feature planetary reduction at each wheel. Torque is developed at the wheel, which gives less stress at the axle shafts. The planetary units can be removed independently from the brakes.



Impeller Clutch Torque Converter (ICTC).

Combined with the Rimpull Control System (RCS) allows the operator maximum flexibility in modulating rimpull. (4)

- Improved calibration procedure
- Improved left pedal modulation
- Compensates for wear by providing the ability to recalibrate for optimum left pedal modulation regardless of torque converter wear.
- The impeller clutch torque converter uses the left brake pedal to modulate rimpull from 100 to 20 percent of available rimpull for reduced tire slippage. After 20 percent is achieved, further pedal travel applies the brake.
- The RCS selector dial is used to select the desired rimpull setting from four factory presets (Maximum, High, Medium and Low). The reduced rimpull is only active in first gear forward.
- RCS will allow the operator to match rimpull to ground conditions.
- The torque converter is equipped with a lockup clutch for direct drive efficiency in second and third gear.

ICTC is standard with lock-up and free wheel stator.

Heavy-Duty Axles. Feature standard axle oil coolers, permanently lubed universal joints and stronger axle components in both the differentials and final drives for increased performance, serviceability and durability. (5)

- Free floating axle shafts can be removed independent of the wheels and planetaries for quick and easy servicing.
- Axle oil cooling system circulates oil from the brakes and differentials through an oil-to-air cooler that provides increased oil life while extending component performance and durability.
- Conventional differential is standard.

Oil Enclosed, Multiple Disc Brakes.

Are adjustment-free with fewer parts for improved serviceability. (6) Fully hydraulic actuators with independent front and rear circuits use separate accumulators and new valves for increased performance and reliability.

- Brake location improves serviceability. The axle shaft brake design allows brake service while leaving the final drive intact.
- Axle shaft brakes require less force by operating on the low torque side of the axle. Combined with improved axle oil circulation for increased cooling, the oil enclosed, multiple disc brake design improves durability.

Service Brakes. Are four wheel, hydraulic, oil-dipped multiple-disc brakes that are completely enclosed and allow modulated engagement without slack adjusters.

Parking Brakes. Are spring applied, oil-released, dry disc that are mounted on the transmission transfer gear output shaft. Manual override is possible to allow movement of the machine.

Secondary Brakes. Will trigger the electronic monitoring system to alert the operator if pressure drops and then automatically applies the parking brake.

Structures

Superior design and strength provide solid support for maximum production and service life.



Castings. In the engine end frame are used in critical high-stress areas to help spread the load and reduce the number of parts. The casting for the rear trunnion mount also serves as an engine mount, which provides a load path for the weight and torque of the engine to travel down to the trunnion and then on through to the axle. Other castings used in the engine-end frame include: front trunnion mounts, steering cylinder brackets, articulation stops and lock link.

Full Box-Section Frame Design. Has been redesigned for increased strength. Internal and external members have been added to the rails in critical sections. (1) The heavy-duty, box-section front frame provides maximum structural strength to resist twisting loads experienced during dozing. (2)

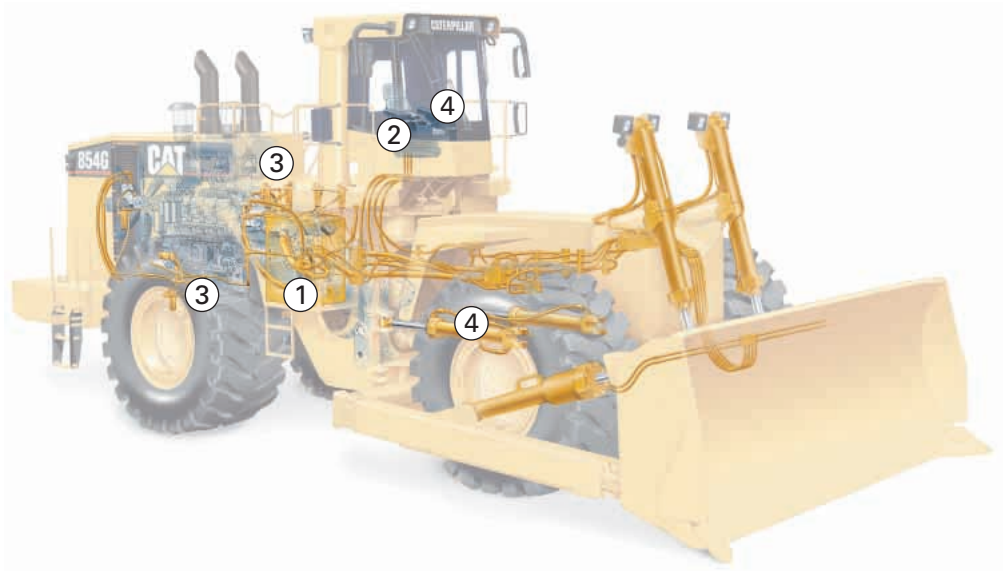
Upper and Lower Hitch Pins. Pivot on a double-tapered roller bearing. (3) The upper hitch plate thickness has been increased and the lower hitch plate has been extended to improve transition to the rail assembly.

Spread Hitch Design. Helps square up the frame and provides more clearance for hydraulic lines. (4) Double tapered roller bearings and hardened pins resist both horizontal and vertical loads to increase life. The spread-hitch also makes service access easier.

Engine and Transmission Mounts. Are designed to use mushroom and cup-shaped ISO mounts, reducing component vibration and sound levels. The engine mounts directly to the rear cross member, simplifying and improving load transfer structure.

Hydraulics

Well-balanced hydraulics deliver precise, low-effort control and trouble-free operation.



Separate Hydraulic Systems. Feature one system for the brakes and steering and another for blade control and the hydraulically-driven engine cooling fan with full flow filtering. (1) The benefits of the separate hydraulic systems are increased cooling and elimination of cross-contamination. XT-3™ and XT-5™ hose and reliable components help reduce the risk of leaks and blown lines, helping protect the environment. Reusable O-ring face seals make servicing easy.



Blade Control. Floor-mounted controls adjust lift/lower and tilt/tip blade functions. (2)

- Tandem gear pumps provide hydraulic flow for the lift, tilt and tip functions.
- Well-proven pumps, valves and cylinders are common with those used on large Caterpillar Track Type Tractors.
- For improved serviceability, all hydraulic pumps are mounted on a single pump drive.

Case Drain Filtration. Is included throughout the hydraulic system to protect against contamination. (3) Easily accessed for serviceability, seven filters protect the hydraulic pumps, fan motor and axle oil cooler circuit.

- Optional high pressure screens are available as an upgrade to the case drain filtration package. This deluxe filtration package places high pressure screens on the output side of the hydraulic pumps, further protecting the hydraulic system from contamination.

Load Sensing Steering. With STIC Control System is a revolutionary system that integrates steering and transmission into a single controller. (4) The variable displacement pump maximizes machine performance by directing power through the steering system only when needed.

- Simple side-to-side motions of the operator's left arm turn the machine right or left.
- Transmission shifting forward, neutral or reverse is controlled by the operator's fingers and gear selection is controlled by the operator's thumb.

Operator Station

Comfort and control - a top quality operator station helps maximize productivity.



Cab Design. Is spacious and incorporates innovations for operator comfort, maneuverability and productivity. Features include outstanding viewing area, improved cab ventilation, interior sound levels below 75 dB(A), standard coat hook, cup holder, storage bin, intermittent wet-arm wipers, room for a large lunch cooler and radio readiness.

STIC Control System. Provides a fluid motion that reduces effort and allows the operator to work the machine for long periods of time with little or no fatigue. (1)

Left Pedal. Operates the impeller clutch torque converter. (2)

Comfort Series Seat. With air suspension is designed for comfort and support. (3) The seat cushions reduce pressure on the lower back and thighs while allowing unrestricted arm and leg movement. The seat is six-way adjustable and the retractable seat belt remains off the floor and is easy to reach. Armrests are height and tilt adjustable.

Throttle Lock. Allows the operator to preset the engine speed for a variety of applications, resulting in faster cycle times and increased productivity. (4)

Vital Information Display System (VIDS).

Provides information on the 854G's major components and systems. (5) In the event a problem occurs, VIDS gives pertinent information that leads to a more accurate diagnosis and a reduction of overall downtime. VIDS configuration supports:

- Gauge displays fuel tank level and temperature for engine coolant, power train and hydraulic oil. The tachometer is an analog gauge with digital readout for gear selection.
- Two languages (English and any one of 17 others) and a 40-character text display instantly communicates machine problems.
- Step-by-step service instructions for calibrations, option selection and adjustable settings.

Hydraulic Blade Controls. Are floor-mounted and adjust fore and aft so operators of any size can find a comfortable operating position. (6) The single lever control allows operators to control blade functions, while a switch control on top of the control lever allows the choice of single or dual-tilt operation.

Viewing Area. Is large and bonded glass in the front window eliminates distracting metal frames to provide the best view to the blade. (7)

Quick Shift. Allows quicker cycle times by automatically shifting from first forward to second reverse.



Rimpull Control System. Has four factory preset rimpull settings (low, medium, high and maximum) to better match ground conditions.

Blades and Blade Controls

Well-proven Cat components deliver dependable service and ease of operation.



Coal Blade. Is designed for precise and productive dozing while helping to retain load control with increased capacity for lighter materials.

- Wing angles help retain the load while dozing.

Semi-U Blade. Combine the characteristics of the S and U blades into one package.

- Increased capacity with the addition of short wings, which include only the dozer end bits, without sacrificing spreading characteristics of straight blades.



Heavy-Duty Semi-U Blade. Utilizes the same design as the standard Semi-U blade with the addition of a Hardox 400 liner plate, Hardox material on the side plates and additional gusseting on the bottom of the blade provide increased strength and durability in high wear applications.

Heavy-Duty Blade Linkage. Is common with the Caterpillar D11 Track Type Tractor. These well-proven components are designed for large dozing loads in tough applications.

- Lift cylinders raise and lower the blade for efficient dozing action while the two position, tilt cylinder mounting provides increased flexibility for various applications.
- Cutting edges utilize DH-2™ steel and end bits utilize DH-3™ steel to provide maximum service life.
- Trunnions, pusharms and tag link are sized for large dozing loads.

Single Lever Blade Control. Hydraulically operates blade raise, lower, tilt and tip.

Lift circuit features:

- Four positions: raise, hold, lower and float
- Detente hold on float

Tilt/Tip circuit features:

- Operator selected single or dual-tilt
- Finger tip control for tip operation

Low effort control:

- Single lever blade control
- Floor-mounted controls
- Cable actuated with pressure compensation

A switch on top of the control lever gives the operator the option of single or dual-tilt operation. A generous range of motion enables excellent control for dozing.

Caterpillar Blades. Are designed with high strength, pressed rib construction and large Caterpillar Track Type Tractor bolt-on cutting edges and bottom wear plates that offer excellent dozing and rolling characteristics. Capacities and widths are set to achieve increased productivity while dozing heavy loads or spreading cover material.

Serviceability

Less time spent on maintenance means more time spent on the job.



Easy Maintenance and Repair. Through monitoring key functions and logging critical indicators. Electronic diagnostic access is possible with a single tool - Cat Electronic Technician (ET).

In addition to the servicing features built into the engine, the 854G includes:

Vital Information Display System (VIDS). Provides operators and service technicians with vital diagnostic information on the machine's components and systems.

Advanced Modular Cooling System (AMOCS). Is easy to clean and maintain because it is isolated from the engine compartment.

U-joints. Are lifetime lubricated, leaving the slip joint as the only driveline component needing grease.

Case Drain Filters. Are easily accessible for serviceability. For additional protection, high pressure screens are available as an optional attachment.

Power Train Filters. Are now removed from the top side to reduce the chance of fluid spillage.

Batteries. Sit in a built-in battery box and are accessible through tread plates on the platform.

Hinged Doors. In the platform provide access to the hydraulic tank fill, blade circuit and steering filters. The transmission dipstick and filler spout are serviced from the hitch area.

Shock Resistant Lights. Are replaceable by hand, not requiring the use of any tools.



Swing-out Doors. On both sides of the engine compartment provide easy access to the engine oil dipstick and filler spout, fuel filters, air conditioner compressor, engine oil filters, alternator, starting receptacle, air filter service indicator, coolant fill and ether starting aid. The disconnect switch and diagnostic connector are located on rear platform.

Lube Points. Are centralized in the hitch area. The fuel fill is located in the left side bumper. Both lube points and fuel fill are accessible from ground level, making lube and fuel service quicker and easier.

Sight Gauges. In the hydraulic tanks and radiator provide quick checks for fluid levels.

Complete Customer Support

Cat dealer services help keep machines operating longer with lower costs.

Machine Selection. Make detailed comparisons of the machines under consideration before purchase. Cat dealers can estimate component life, preventative maintenance cost and the true cost of lost production.

Purchase. Look past initial price. Consider the financing options available as well as the day-to-day operating costs. Look at dealer services that can be included in the cost of the machine to yield lower equipment owning and operating costs over the long run.

Customer Support Agreements. Cat dealers offer a variety of product support agreements and work with customers to develop a plan that best meets specific needs. These plans can cover the entire machine, including attachments, to help protect the customer's investment.

Product Support. You will find nearly all parts at our dealer parts counter. Cat dealers use a worldwide computer network to find in-stock parts to minimize machine downtime. Save money with genuine Cat Reman parts. You receive the same warranty and reliability as new products at cost savings of 40 to 70 percent.

Operation. Improving operating techniques can boost your profits. Your Cat dealer has training videotapes, literature and other ideas to help you increase productivity.



Maintenance Services. Choose from your dealer's range of maintenance services when you purchase your machine. Repair option programs guarantee the cost of repairs up front. Diagnostic programs such as S•O•SSM and Coolant Sampling and Technical Analysis help you avoid unscheduled repairs.

Replacement. Repair, rebuild or replace? Your Cat dealer can help you evaluate the cost involved so you can make the right choice.

Engine

Engine Model	3508B EUI diesel	
Gross Power	656 kW	880 hp
Flywheel Power	597 kW	800 hp
Flywheel Power - Caterpillar	597 kW	800 hp
Flywheel Power - EEC 80/1269	597 kW	800 hp
Flywheel Power - ISO 9249	597 kW	800 hp
Flywheel Power - SAE J1349 (JAN90)	590 kW	791 hp
Flywheel Power - DIN 70020	829 PS	
Bore	170 mm	6.7 in
Stroke	190 mm	7.5 in
Displacement	34.5 L	2,105 in ³
Max Net Torque	4218 N·m	3,111 ft-lb
Torque Rise	30%	

- Engine ratings apply at 1750 rpm when tested under the specific standard conditions for the specified standard.
- Power rating conditions based on standard air conditions of 25° C (77° F) and 99 kPa (29.32 in Hg) dry barometer using 35° API gravity fuel having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 30° C (86° F) [ref. a fuel density of 838.9 g/L (7.001 lb/gal)].
- Net power advertised is the power available when the engine is equipped with alternator, air cleaner, muffler and hydraulic fan drive.
- No derating required up to 3050 m (10,000 ft) altitude.

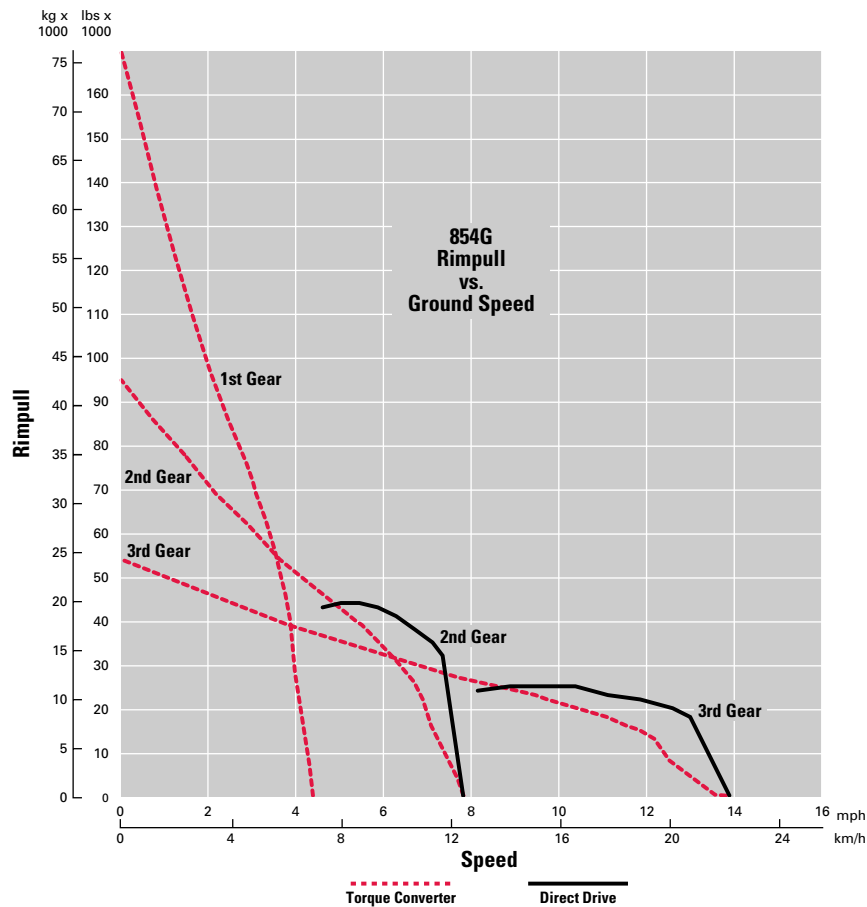
Weights

Operating Weight	99 395 kg	219,128 lb
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Transmission

Converter Drive - Forward 1	6.8 kph	4.3 mph
Converter Drive - Forward 2	12.1 kph	7.5 mph
Converter Drive - Forward 3	21.1 kph	13.1 mph
Converter Drive - Reverse 1	7.6 kph	4.7 mph
Converter Drive - Reverse 2	13.4 kph	8.3 mph
Converter Drive - Reverse 3	23.2 kph	14.4 mph
Direct Drive - Forward 1	not active in 1F	
Direct Drive - Forward 2	12.5 kph	7.8 mph
Direct Drive - Forward 3	21.9 kph	13.6 mph
Direct Drive - Reverse 1	7.8 kph	4.8 mph
Direct Drive - Reverse 2	13.8 kph	8.6 mph
Direct Drive - Reverse 3	24.2 kph	15 mph

- 533.4 mm (21 in) planetary power shift transmission with three speeds forward and reverse and 2 percent rolling resistance.



Hydraulic System

Output at 1882 rpm and 6988 kPa (1,000 psi)	607 L	160 gal
Cylinders, Double-Acting: Lift, Bore and Stroke	177.8 mm × 1759.5 mm	7 in × 69.3 in
Cylinder, Double-Acting: Tilt and Tip, Bore and Stroke	266.7 mm × 285.5 mm	10.5 in × 11.25 in
Relief Valve Setting - Bulldozer (Large Pump)	22 675 kPa	3,290 psi
Relief Valve Setting - Tilt Cylinders (Small Pump)	24 560 kPa	3,560 psi

Steering

Steering Angle	43°
Steering	Meets SAE and ISO standards

- Steering angle in each direction, one-hand operation.
- Meets SAE J1511 FEB94 and ISO 5010:1992 specified standards.

Service Refill Capacities

Fuel Tank - Standard	1562 L	413 gal
Crankcase	102 L	26.5 gal
Transmission	169 L	44.6 gal
Differentials and Final Drives - Front	345 L	91 gal
Differentials and Final Drives - Rear	326 L	86 gal
Cooling System - Jacket Water	204 L	53.9 gal
Cooling System - SCAC System	86 L	22.7 gal
Hydraulic System - Steering and Brakes (tank only)	326 L	84.8 gal
Blade Control and Engine Cooling Fan (tank only)	159 L	41.3 gal

Cab

ROPS/FOPS	Meets SAE and ISO standards
Sound Performance Levels	Meets ANSI/SAE and ISO standards

- Rollover/Falling Object Protective Structure (ROPS/FOPS) is standard in North America, Europe and Japan.
- ROPS meets the following criteria:
 - SAEJ394
 - SAEJ1040 APR88
 - ISO 3471-1:1986
 - ISO 3471:1994
- FOPS meets the following criteria:
 - SAEJ231 JAN81
 - ISO 3449:1992 Level II
- The operator sound exposure Leq (equivalent sound pressure level) measured according to the work cycle procedures in ANSI/SAE J1166 OCT98 is 75 dB(A) for the cab offered by Caterpillar when properly installed and maintained and tested with the doors and windows closed.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in noisy environment.
- The exterior sound pressure level for the standard machine measured at a distance of 15 m (49.2 ft) according to the test procedures specified in SAE J88 JUN86, mid-gear-moving operation, is 82 dB(A).
- The sound power level is 116 dB(A) measured according to the dynamic test procedure and conditions specified in ISO 6395:1998/Amd. 1:1996 for a standard machine configuration.

Brakes

Brakes	Meets SAE J1473 OCT90 and ISO 3450:1992
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Axles

Front	Fixed
Rear	Oscillating $\pm 11^\circ$
Maximum Single-Wheel Rise and Fall	630 mm 24.8 in

Tires

Tire Choices	Five options available
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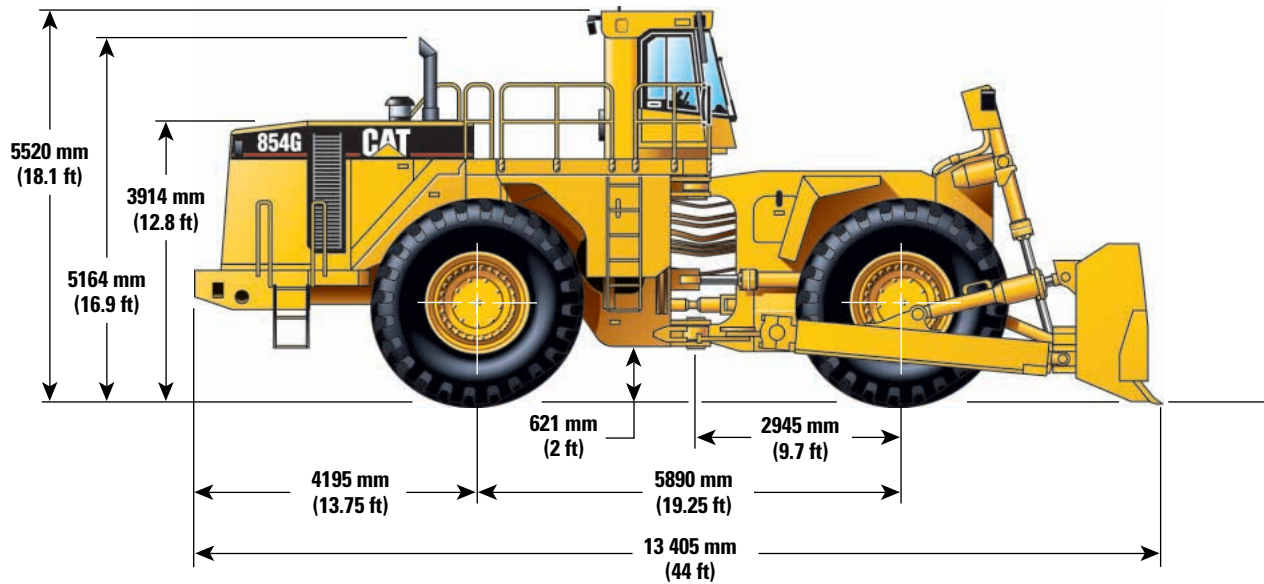
- Tubeless, low-aspect ration. All steel radial construction for increased traction and stability, lower rolling resistance.
- Options
 - 45/65 R45 1* L-4 (XLDD1), Michelin
 - 45/65 R45 1* L-5 (XLDD2), Michelin
 - 45/65 R45 1* L-5, Bridgestone
 - 45/65 R45 1** L-5 VSDL, Bridgestone
 - 45/65 R45 GY RL 5K, Goodyear
- NOTE: Caterpillar recommends that you consult a tire supplier to evaluate all conditions before selecting a tire model. Other special tires are available on request.

Operating Specifications

Blade Capacities	25 to 45 m ³	33 to 58 yd ³
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Dimensions

All dimensions are approximate.



NOTE: Dimensions vary with blade. Refer to blade specifications chart.

Blade Specifications

Blade Type	Capacity	Overall Width	Height	Digging Depth	Ground Clearance	Maximum Tilt	Weight	Total Operating Weight
Semi-U	25.4 m ³	6321 mm	2179 mm	398 mm	1540 mm	1165 mm	10 161 kg	99 395 kg
	33.1 yd ³	20.75 ft	7.2 ft	1.3 ft	5.04 ft	3.8 ft	22,400 lb	219,128 lb
Heavy-duty Semi-U	25.4 m ³	6321 mm	2179 mm	398 mm	1540 mm	1165 mm	10 750 kg	99 984 kg
	33.1 yd ³	20.75 ft	7.2 ft	1.3 ft	5.04 ft	3.8 in	23,700 lb	220,427 lb
Coal	44.7 m ³	7200 mm	2500 mm	398 mm	1540 mm	1706 mm	10 333 kg	99 567 kg
	58.2 yd ³	23.6 ft	8.2 ft	1.3 ft	5.04 ft	5.6 ft	22,780 lb	219,507 lb

Semi-U Blade: This unit combines the characteristics of the S and U blades into one package. It has increased capacity by the addition of short wings which include only the dozer end bits.

Standard Equipment

Standard equipment may vary. Consult your Caterpillar dealer for specifics.

ELECTRICAL

- Alarm, back-up
- Alternator (105-amp)
- Batteries, maintenance-free
- Connectors, Deutsch terminal
- Lighting system, halogen (front and rear)
- Starter, electric
- Starting and charging system (24-volt) diagnostic connector
- Starting receptacle for emergency start

OPERATOR ENVIRONMENT

- Air conditioner
- Cab, sound suppressed, pressurized, rollover protective structure (ROPS/FOPS)
 - Radio ready for entertainment includes antenna, speakers and converter (12-volt, 5-amp)
- Cigar lighter and ashtray
- Coat hook
- Heater and defroster
- Horn, electric
- Light, (interior) cab
- Lunchbox and beverage holders
- Monitoring system (VIDS) with gauges
 - Action alert system, three category
- Instrumentation, gauges
 - Engine coolant temperature
 - Fuel level
 - Hydraulic oil temperature
 - Tachometer
 - Transmission oil temperature
- Mirrors, rearview (external/internal)
- Rimpull Control System dial
- Seat, Cat Comfort (cloth) air suspension
- Seat belt, retractable, 76 mm (3 in) wide
- Single lever blade control (floor-mounted)
- STIC control system
- Tinted glass
- Transmission gear indicator
- Wipers/Washers, wet-arm (front, rear and corner)
 - Intermittent front wiper

POWER TRAIN

- Axle oil coolers (front and rear)
- Brakes, enclosed, wet multiple disc parking/secondary
- Demand fan
- Engine, 3508B EUI diesel
- Fuel priming pump
- Ground level engine shutdown
- Muffler (sound suppressed)
- Precleaner, engine air intake
- Radiator, Advanced Modular Cooling System (AMOCS)
- Rimpull Control System
- Separated cooling system
- Starting aid (ether), automatic
- Steering, secondary
- Swing-out cooler core
- Throttle lock
- Torque converter, lockup clutch
- Transmission, planetary, power shift
 - with 3 forward/3 reverse
- Tires, 45/65-R45 L4

OTHER STANDARD EQUIPMENT

- Doors, service access (locking)
- Fenders (front and rear)
- Guards, power train and crankcase
- Hitch, drawbar with pin
- High speed oil change
- Oil sampling valves
- Stairway, rear access
- Vandalism protection caplocks
- Venturi stack

BULLDOZER

- Bulldozer arrangements are included in the standard equipment
- Bulldozer blades are optional

HYDRAULICS

- Hoses, XT-3™ and XT-5™
- Hydraulic oil cooler

ANTIFREEZE

- Premixed 50% concentration of Extended Life Coolant with freeze protection to -34° C (-29° F)

Mandatory Attachments

Must choose from each category. Consult your Caterpillar dealer for more information.

Cooling Packages

- Standard - for ambient temperatures up to 46° C (115° F)
- High Ambient - for ambient temperatures up to 50° C (122° F)

Fuel Systems

- Standard
- Fast Fill
- Heater
- Fast Fill and Heater

Access Stairs

- Standard - Left-hand Stairs
- Left and Right-hand Stairs
- Left and Right-hand Stairs with Rooding Fenders

Filtration System

- Standard - Case Drain
- Deluxe - Case Drain and high Pressure Screens

Tires

See your Caterpillar dealer for current tire options.

Optional Equipment

Choose the options that are right for your application. Consult your Caterpillar dealer for more information.

No-SPIN rear differential

Precleaner, turbine, non-metal

Blades

Semi-U 35.4 m³ (33.1 yd³)

HD Semi-U 25.4 m³ (33.1 yd³)

Coal 44.7 m³ (58.2 yd³)

Extended Life Coolant with freeze protection to -50° C (-58° F)

120V engine coolant heater

240V engine coolant heater

Notes

854G Wheel Dozer

AEHQ5488 (4-03)

Replaces AEHQ5308-01

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

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