

836

LANDFILL COMPACTOR



Engine Power**Operating Weight**

412 kW (553 hp)

56 275 kg (124,063 lb)¹

205 kW (275 hp)

55 939 kg (123,321 lb)²**CAT**®¹ U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, and Japan 2014² Brazil MAR-1, equivalent to China Nonroad Stage III, and U.S. EPA Tier 3/EU Stage IIIA

Purpose-built for landfill operation, the Cat® 836 delivers performance and efficiency that come from proven engineering and advanced new features. Field-proven protection and integrated technologies provide peak availability and optimized landfill performance.

THE CAT® 836 HELPING YOU CRUSH IT



IMPROVED UPTIME AND OPERATOR COMFORT WITH MAXIMIZED COMPACTION

The Cat 836 Landfill Compactor gives you advanced technology for increased efficiency, a tough and long-lasting machine, lower maintenance costs, and improved operator comfort.

- + IMPROVED OPERATION WITH SMOOTHER DIRECTIONAL SHIFTS DUE TO CAT LOCKER DIFFERENTIALS
- + ENHANCED TECHNOLOGY MAXIMIZES COMPACTION WITH STANDARD CAT COMPACT WITH PASS MAPPING
- + IMPROVED GUARDING AND STRUCTURAL ENGINEERING PROTECT YOUR INVESTMENT



IMPROVED GUARDING

New features such as additional axle Duo-cone® seal guards, eyebrow guards, and new reversing fan guard protect the machine from trash intake and other onsite hazards.

REDUCED MAINTENANCE

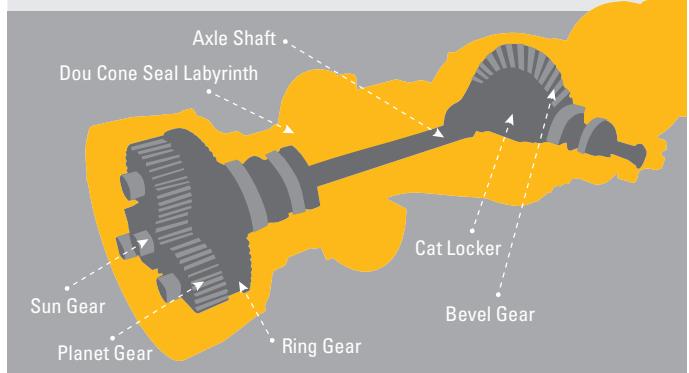
Grouped servicing points, underhood lighting, and a long-lived filtration system reduce your labor costs and downtime.

GREATER OPERATOR COMFORT AND PRODUCTIVITY

Cab pressurization, climate control, sound dampening, and isolation mounts make the entire workday comfortable, while Cat's Steering and Transmission Integrated Control (STIC™) system reduces fatigue and cycle time.

THE 836 AXLES WITH CAT® LOCKER DIFFERENTIALS PROVIDE

2X COMPONENT LIFE IMPROVEMENT



- + Consistent and smooth torque transition
- + Power transfer to the wheels that remains constant
- + Lower total cost of ownership with increased life of lower powertrain components

Source: Field testing conducted by Caterpillar.



BUILT-IN PROTECTION

IMPROVED GUARDING PROTECTS YOUR INVESTMENT



AXLE DUO-CONE SEAL GUARDS

Improved guarding around the axle to alleviate potential damage to the axle Duo-cone seal.



BELLY GUARDS

Sealed belly guards provide additional protection to prevent trash intake into frames.



EYEBROW GUARDS

Redesigned eyebrow guards protect the eyebrow from damage and prevents material packing underneath.



HYDRAULIC FAN MOTOR GUARD

Additional guarding for the cooling package to prevent debris intake around reversing fan.



MAJOR SYSTEM GUARDING

The guarding diverts trash away from key components and service areas on the machine, ensuring less failures due to the severity of the landfill environment.



STRIKER BARS

Striker bars and optional cleaner fingers help to keep wheels free of debris, making compaction more efficient.

ROBUST STRUCTURES

The 836 features heavy-duty main structures that support multiple life cycles.

- + BOX-SECTION REAR FRAME RESISTS TORSIONAL SHOCK AND TWISTING
- + HEAVY-DUTY STEERING CYLINDER MOUNTS EFFICIENTLY TRANSMIT STEERING LOADS INTO THE FRAME
- + AXLE MOUNTING IS OPTIMIZED FOR GREATER STRUCTURAL INTEGRITY



HEAVY-DUTY STRUCTURES

BUILT TO LAST

EASY MAINTENANCE

DESIGNED FOR EASE OF SERVICE AND INSPECTION

EASY TO SERVICE

Access to the emergency shutdown, battery disconnect, and jump start are at ground level. Coolant, transmission oil, and the hydraulic system are all equipped with sight gauges for quicker inspection and reduced contamination risk. The hydraulic oil cooler, fuel cooler, and condenser are grouped together, and grease points are centralized.



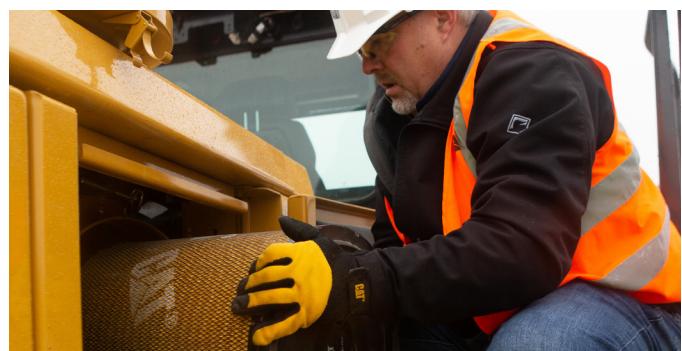
IMPROVED FUEL FILTRATION

The 836's higher efficiency fuel filters provide higher quality fuel to the fuel injectors. Fuel filters are capable of filtering higher amounts of smaller micron particles, which improves engine performance.



AIRFLOW TECHNOLOGY

The radial air filter provides four times the previous filter life, and a new electronic air inlet restriction indicator alerts the operator to any airflow blockages.



DEBRIS PURGING FAN

An auto-reversing fan purges debris buildup. The fan can also be activated manually.



ENHANCED OPERATOR COMFORT

COMFORT WHERE IT COUNTS



↻ UPDATED CAB

The 836's cab has been redesigned with lowered glass for better visibility to the blade and wheels.



INTERIOR AIR

The operator's preferred temperature settings are maintained with automatic climate control. The cabin is pressurized to keep contamination and odors out, and incoming air is filtered.



REDUCED VIBRATION

The cab sits on isolation mounts, and the seat is equipped with an air suspension, improving comfort and reducing sound levels.



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.



CONVENIENT STORAGE

Cab features a convenient floor storage tray/lunch box, keeping the workstation clutter free.



ACCESS VITAL INFORMATION

Keep your operators informed about machine conditions and operation with the Vital Information Management System (VIMS™) 3G machine monitoring system.



EASIER CONTROLS

Operator productivity features keypads that provide convenient access to commonly used functions.



SINGLE-STICK CONTROL

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. Steering is accomplished with small side-to-side inputs, and gear changes are controlled with the fingers.

PRODUCTIVE TECHNOLOGY

HELPING YOU DO MORE



CAT COMPACT

Cat Compact combines in cab-guidance and reporting capabilities to help you consistently achieve higher compaction densities. Visually see where the machine has been on the working face and how many passes have been completed – saving on fuel and machine wear and tear.



ACCESS VITAL INFORMATION

A 3G touchscreen with user-friendly interface allows operators to monitor real-time machine performance and operating data with the VIMS system.



IMPROVED EQUIPMENT MANAGEMENT

VisionLink® takes the guesswork out of managing your entire fleet – regardless of size or equipment manufacturer.* Review equipment data from your desktop or mobile device to maximize uptime and optimize assets. With interactive dashboards, VisionLink makes it easier for operations of all sizes to make informed decisions that lower costs, simplify maintenance, and improve safety and security on your jobsite. With different subscription-level options, your Cat dealer can help you determine what you need to connect your fleet and manage your business.

*Data field availability can vary by equipment manufacturer.

DO MORE IN LESS TIME ON LESS FUEL

POWERFUL EFFICIENCY



PROVEN POWER

The Cat C18 engine is built and tested to meet your most demanding applications. Two engine options are available that meet U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, and Japan 2014 emission standards or Brazil MAR-1, equivalent to China Nonroad Stage III, U.S. EPA Tier 3 and EU Stage IIIA.

SMOOTH POWER

Advanced Productivity Electronic Control System (APECS) transmission controls deliver improved shifting performance and a higher level of comfort for operators. APECS allows you to achieve greater momentum on grades and save fuel by carrying that momentum through the shift points.

FUEL-SAVING CONTROLS

Automatic engine and electrical system shutdown controls save even more fuel by reducing unnecessary idling. Throttle lock reduces fuel burn further by maintaining constant speed and also reduces operator fatigue.

IMPELLER CLUTCH TORQUE CONVERTER (ICTC)

Lower your cost per ton utilizing advanced ICTC. Reduce wheel slippage and tip wear by modulating rimpull from 100 to 20% while depressing left pedal. After 20% rimpull is achieved, the left pedal applies the brake. Reduce the potential for wheel slippage without reducing hydraulic efficiency. Improve fuel efficiency in certain applications with our lock-up clutch torque converter providing direct drive.

PRECISE STEERING

Variable displacement piston pumps give you precise positioning and easy maneuvering in tight areas, with 43° articulation in each direction. A load-sensing system provides confident machine operation and adds to the precision of the steering. More precise steering results in shorter, more efficient cycles.

ELECTRO HYDRAULIC CONTROLS

Increase productivity with the 836's responsive implements feature. Easy-to-use soft-detent controls make operation comfortable. Operate comfortably through electronically controlled hydraulic cylinder stops and conveniently set automatic implement kickouts from inside the cab.

FEATURES THAT HELP YOU STAY IN CONTROL





MORE OPTIONS TO FIT YOUR OPERATION WHEELS AND TIPS

TIP DESIGN

Designed specifically to complement Cat machines, choose chopper, paddle, plus, combination, or diamond for better performance and traction.

OPTIONS TO FIT YOUR WORK

Choose the tip design that fits your operational needs:

- + SELECT CHOPPER TIPS FOR WET/SOFT WASTE WHERE CHOPPING AND/OR TRACTION IS A LARGE CONCERN AND ABRASIVE WEAR LIFE IS NOT A MAJOR CONCERN
- + SELECT PADDLE TIPS FOR TRACTION AND FUEL ECONOMY
- + SELECT PLUS TIPS FOR INCREASED SIDE-SLOPE STABILITY
- + SELECT A COMBINATION OF BOTH TO OPTIMIZE PERFORMANCE AND FUEL ECONOMY WITH SIDE SLOPE STABILITY
- + SELECT DIAMOND TIPS OFFER A FULL-RATED WARRANTY TO 15,000 HOURS, WHICH IS DESIGNED TO LAST UNTIL MACHINE POWERTRAIN REBUILD



PROTECTING YOUR TEAM SAFE DESIGN



INCREASED VISIBILITY

Backing is improved for operators and everyone onsite with a standard rearview camera. Standard cab-mounted LED warning strobes increase visibility of the machine, which is a further enhancement to visibility.

REDUCED SOUND

Low interior sound levels increase operator comfort, and spectator sound levels have been reduced. Optional low sound packages reduce the noise level even further.

SAFE ACCESS

Emergency shutdown controls are at ground level. Platform and ladders are designed to ensure three points of contact at all times during entry and exit. Left and right hand removable or optional swing-out stairs with 45 degree angle enhance safety for operators getting on and off the 836.

TECHNICAL SPECIFICATIONS

See cat.com for complete specifications.

ENGINE		
Engine Model	Cat® C18	
Emissions	U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, and Japan 2014	
Rated Speed	1,900 rpm	
Net Power (SAE J1349:2011)	370 kW	496 hp
Net Power (ISO 9249:2007)	374 kW	502 hp
Gross Power (SAE J1995:2014)	419 kW	562 hp
Engine Power (ISO 14396:2002)	412 kW	553 hp
Peak Torque @ 1,300 rpm	3085 N·m	2,275 lbf-ft
Torque Rise	52%	
Emissions	Brazil MAR-1, equivalent to China Nonroad Stage III, U.S. EPA Tier 3/EU Stage IIIA	
Rated Speed	1,900 rpm	
Net Power (SAE J1349:2011)	370 kW	496 hp
Net Power (ISO 9249:2007)	374 kW	502 hp
Gross Power (SAE J1995:2014)	419 kW	562 hp
Engine Power (ISO 14396:2002)	412 kW	553 hp
Peak Torque @ 1,400 rpm	3085 N·m	2,275 lbf-ft
Torque Rise	52%	
Bore	145 mm	5.71 in
Stroke	183 mm	7.2 in
Displacement	18.1 L	1,104.5 in ³
High Idle Speed	2,120 rpm	
Low Idle Speed	750 rpm	
Maximum Altitude without Derating	2286 m	7,500 ft
• 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 (Tier 4 Final/Stage V)	56 275 kg	124,063 lb
Operating Weight (Tier 3/Stage IIIA equivalent)	55 939 kg	123,321 lb
Max Operating Weight (Tier 4 Final/Stage V)	57 318 kg	126,364 lb
Max Operating Weight (Tier 3/Stage IIIA equivalent)	56 982 kg	125,622 lb

TRANSMISSION		
Transmission Type	Cat Planetary Power Shift Electronic Clutch Pressure Control (ECPC)	
Direct Drive Forward*		Direct Drive Reverse*
First	7.0 km/h	4.3 mph
Second	12.6 km/h	7.8 mph
First	7.4 km/h	4.8 mph
Second	13.2 km/h	8.2 mph

*Maximum unloaded speed

AIR CONDITIONING SYSTEM		
The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.4 kg of refrigerant which has a CO ₂ equivalent of 2.002 metric tonnes.		

HYDRAULIC SYSTEM - STEERING		
Steering System - Circuit	Flow sharing implement; Pilot, Load Sensing	
Steering System - Pump	Variable Displacement Piston	
Max Flow @ 2,000 rpm	300 L/min	79 gal/min
Relief Valve Setting - Steering	24 100 kPa	3,495 psi
Total Steering Angle	86°	
Steering Cycle Time (high idle)	3.9 sec	
Steering Cycle Time (low idle)	6.4 sec	

AXLES		
Front	Planetary – Fixed	
Rear	Planetary – Oscillating	
Oscillation Angle	±6°	

SOUND		
	Standard	Suppression
Tier 4 Final, Stage V, Korea Stage V, and Japan 2014		
Operator Sound Level (ISO 6396:2008)	72 dBA	
Machine Sound Level (ISO 6395:2008)	111 dBA	109 dBA
Brazil MAR-1, equivalent to China Nonroad Stage III, Tier 3/EU Stage IIIA		
Operator Sound Level (ISO 6396:2008)	72 dBA	
Machine Sound Level (ISO 6395:2008)	112 dBA	110 dBA
• The operator sound pressure level was measured according to the test procedures and conditions specified in ISO 6396:2008. The measurements are 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.		
• The machine sound power level was measured according to the test procedures and conditions specified in ISO 6395:2008. The measurements are conducted at 70% of the maximum engine cooling fan speed.		

WHEELS		
Combination Tips		
Weight (Group)	12 814 kg	
Plus Tips		
Weight (Group)	13 510 kg	
Paddle Tips		
Weight (Group)	12 350 kg	
Chopper Tips		
Weight (Group)	12 884 kg	
Diamond Tips		
Weight (Group)	14 814 kg	
Outside Diameter	2128 mm	
Outside Diameter – Diamond	2140 mm	
Drum Diameter	1770 mm	
Drum Width	1400 mm	
Feet per Row	8	
Feet per Wheel	40	
Replaceable	Weld On	
Width Over Drums	4280 mm	
Tip Height	179 mm	
Tip Height – Diamond	184 mm	

STANDARD & OPTIONAL EQUIPMENT

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

POWERTRAIN	STANDARD	OPTIONAL	ELECTRICAL	STANDARD	OPTIONAL
Brakes, full hydraulic, enclosed, wet multiple disc service brakes	●		Alarm, back-up	●	
Cat® clean emission module (U.S. EPA Tier 4 Final/EU Stage V only)	●		Alternator, 150 amp	●	
Electro hydraulic parking brake	●		Batteries, maintenance-free	●	
Engine, Cat C18 configured for two emissions options: Tier 4 Final/Stage V, Korea Stage V, and Japan 2014 or Brazil MAR-1, China Nonroad Stage III, equivalent to Tier 3/Stage IIIA	●		Electrical system, 24V	●	
Fuel priming pump (electric)	●		Ground level lockable master disconnect switch	●	
Fuel-to-air cooler	●		Light, warning unswitched (LED strobe)	●	
Ground level engine shutoff	●		Lighting system (front and rear), access stairway, underhood	●	
Heater, engine coolant, 120V		●	Starter, electric	●	
Heater, engine coolant, 240V		●	Starting receptacle for emergency start	●	
OPERATOR ENVIRONMENT	STANDARD	OPTIONAL	GUARDS	STANDARD	OPTIONAL
12V power port for mobile phone or laptop connection	●		Guards, axle (front and rear)	●	
Cat Compact SBAS	●		Guard, cab window	●	
Air conditioner with roof-mounted condenser	●		Guards, crankcase and powertrain, hydraulically powered	●	
Cab, sound-suppressed pressurized	●		Guard, driveshaft	●	
Camera, rear vision	●		Guard, differential	●	
Implement hydraulic lockout	●		Striker bars	●	
Instrumentation, gauges: Diesel exhaust fluid (DEF) level (Tier 4 Final/Stage V only), engine coolant temperature, fuel level, hydraulic oil temperature, speedometer/tachometer, torque converter temperature	●		FLUIDS	STANDARD	OPTIONAL
Instrumentation, warning indicators: action alert system – three categories, brake oil pressure, electrical system – low voltage, engine failure malfunction alert and action lamp, parking brake status	●		Antifreeze, -50° C (-58° F)		●
Mirrors, heated rearview (externally mounted)	●		Antifreeze, premixed 50% concentration extended life (-34° C/-29° F)	●	
Radio, AM/FM/Aux/USB/Bluetooth		●	OTHER STANDARD EQUIPMENT	STANDARD	OPTIONAL
Radio, CB (ready)	●		Engine, crankcase, 500-hour interval with CJ-4 oil	●	
Radio ready for entertainment: antenna, speakers, converter (12V, 10-15 amp)	●		Fuel tank	●	
Vital Information Management System (VIMSTM): graphical information display, external data port, customizable operator profiles, event indicator light on rear grill	●		Hydraulic, engine, and transmission oil coolers	●	
Wet-arm wipers/washers (front and rear): intermittent wipers (front and rear)	●		Oil change system, high speed	●	



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