



Cat[®] 836

Landfill Compactor

The new Cat[®] 836 Landfill Compactor is designed with heavy-duty main structures that support multiple life cycles, features a Cat C18 engine, single-lever steering, pressurized cab, and wheel/tip options that provide extended service life. Available Cat Compact Technologies further enhance compaction performance and consistency by providing accurate compaction values and 3D mapping.

Easy, Comfortable Operator Environment

- Flip-up armrest for easy ingress/egress.
- Keep your operators informed about machine conditions and operation with Vital Information Management System (VIMS[™]) 3G machine monitoring system.
- Enhanced visibility with standard rearview camera.
- Preferred temperature settings maintained with automatic climate control.
- Cat Premium Plus seat with standard features including leather finish, forced air heating and cooling, two-way thigh adjustment, power lumbar and back bolster adjustment, and dynamic end dampening to provide total comfort throughout the workday.
- Increased forward visibility with lowered glass for better visibility to the blade and wheels.

Serviceability

- Easy access and in a controlled environment; electronics bay is located inside the cab.
- Focused on safety with ground level or platform access to most major components.
- Ground level: emergency shutdown, battery disconnect, and jump start.
- Quick visual inspection and minimize fluid contamination with sight gauges for coolant, transmission, and hydraulic oil.
- Electronic air inlet restriction indicator.
- Designed for ease of service and inspection.
 - Hydraulic oil cooler, fuel cooler, and roof-mounted condenser
 - Centralized grease points
- Operators and technicians can resolve any problems before failure using VIMS.
- Underhood lighting for improved visibility of service points.
- Improved guarding around the axles mitigates risk of damaged components.
- Improved radiator air inlet door sealing to reduce radiator cleanout.
- Remaining useful life of the engine air filter allows for better planning of maintenance and repair activities.

Productivity and Efficiency

- Improved performance, long life, low emissions.
- High productivity and fuel efficient.
- Two engine options available that meet U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, and Japan 2014 emission standards or Brazil MAR-1 and China Nonroad Stage III emission standards, U.S. EPA Tier 3 and EU Stage IIIA equivalent.
- For the Tier 4 Final, EU Stage V, Korea Stage V, and Japan 2014 option, the Cat Clean Emissions Module contains a diesel oxidation catalyst, diesel particulate filter, and Cat Regeneration System, utilizing selective catalytic reduction (SCR) technology.
- Regeneration is completely automatic and does not interrupt the machine's work cycle.
- Experience maximum responsiveness and control with Steering and Transmission Integrated Control System (STIC[™]).
- Conserve more fuel with the automatic engine and electrical system shutdown.
- Achieve greater momentum on grades and fuel savings by carrying that momentum through the shift points advanced productivity electronic control system (APECS) transmission controls.
- Operators experience less fatigue with throttle lock to maintain engine speed.
- Equipped with Cat torque converter with lock-up clutch which eliminates torque converter (TC) losses while lowering system heat and transfers more power to the ground.
- Improved direction shift speed with new Cat locker differentials.
- Diesel exhaust fluid (DEF) injector phase change tank to reduce engine idle time at shutdown.
- Increase machine tarp lift capability to eliminate need for track-type tractor to carry tarp rolling equipment for end of day landfill cover.



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Technology That Gets Work Done

- Compact technology combines advanced compaction measurement, in-cab guidance, and reporting capabilities to help you consistently meet compaction targets fast, uniformly, and in fewer passes – saving on fuel and the cost of unnecessary rework.
- Link technology (standard) provides access to machine location, hours, fuel consumption, idle time, events, and diagnostic codes through the online VisionLink® interface.
- Improved productivity with standard Cat Compact with Pass Mapping and 10" display.
- Slope indicate feature improves construction of slopes and identifies when risk for fluid cavitation occurs.
- Improved productivity with optional Cat Compact with Elevation Mapping.

Durability

- Larger diameter axle shafts, the Cat locker differentials, improved duo cone labyrinth, thicker wheel at the spindle for increased strength.
- Improved final drive gear set to reduce stress and enhance pitting life.
- Fan motor guard to prevent bag wrapping.
- 5" higher efficiency fuel filter for cleaner fuel to the engine.

Wheel Tip Options to Meet Your Application

- Designed specifically to complement Cat machines.
- Improves machine performance through longer wear life and maintaining traction.
- Five wheel and tip configurations are available to meet your particular application:
 - 1) **Paddle Tip** – High performance and less fuel burn with more traction and less weight.
 - 2) **Plus Tip** – Traditional design for increased side slope stability.
 - 3) **Combination Tip** – Both paddle and plus tips provide the best compromise of performance and fuel economy with side slope stability.
 - 4) **Diamond Tip** – Longest life tip on the market with reputation of reliability that is world class in the waste tip industry.
 - 5) **Chopper Tip** – These types of tips are recommended for wet/soft waste where chopping and/or traction is a large concern and abrasive wear life is not a major concern.

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
POWERTRAIN			OPERATOR ENVIRONMENT (CONTINUED)		
Brakes, full hydraulic, enclosed, wet multiple disc service brakes	✓		Implement hydraulic lockout	✓	
Cat® clean emission module (U.S. EPA Tier 4 Final/EU Stage V only)	✓		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	✓	
Electro hydraulic parking brake	✓		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	✓	
Engine, Cat C18 configured for two emissions options: Tier 4 Final/Stage V, Korea Stage V, and Japan 2014 or Tier 3/Stage IIIA equivalent	✓		Mirrors, heated rearview (externally mounted)	✓	
Fuel priming pump (electric)	✓		Radio, AM/FM/Aux/USB/Bluetooth		✓
Fuel-to-air cooler	✓		Radio, CB (ready)	✓	
Ground level engine shutoff	✓		Radio ready for entertainment: antenna, speakers, converter (12V, 10-15 amp)	✓	
Heater, engine coolant, 120V		✓	Vital Information Management System (VIMSTM): graphical information display, external data port, customizable operator profiles, event indicator light on rear grill	✓	
Heater, engine coolant, 240V		✓	Wet-arm wipers/washers (front and rear): intermittent wipers (front and rear)	✓	
Radiator, aluminum modular (AMR)	✓		GUARDS		
Throttle lock	✓		Guards, axle (front and rear)	✓	
Transmission, planetary with 2F/2R speed range control	✓		Guard, cab window	✓	
ELECTRICAL			Guards, crankcase and powertrain, hydraulically powered	✓	
Alarm, back-up	✓		Guard, driveshaft	✓	
Alternator, 150 amp	✓		Guard, differential	✓	
Batteries, maintenance-free	✓		Striker bars	✓	
Electrical system, 24V	✓		FLUIDS		
Ground level lockable master disconnect switch	✓		Antifreeze, -50° C (-58° F)		✓
Light, warning unswitched (LED strobe)	✓		Antifreeze, premixed 50% concentration extended life (-34° C/-29° F)	✓	
Lighting system (front and rear), access stairway, underhood	✓		OTHER STANDARD EQUIPMENT		
Starter, electric	✓		Engine, crankcase, 500 hour interval with CJ-4 oil	✓	
Starting receptacle for emergency start	✓		Fuel tank	✓	
OPERATOR ENVIRONMENT			Hydraulic, engine, and transmission oil coolers	✓	
12V power port for mobile phone or laptop connection	✓		Oil change system, high speed	✓	
Cat Compact SBAS	✓				
Air conditioner with roof-mounted condenser	✓				
Cab, sound-suppressed pressurized	✓				
Camera, rear vision	✓				

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Technical 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%	

Brazil MAR-1 equivalent to China Nonroad Stage III, U.S. EPA Tier 3/ EU Stage IIIA

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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	7.4 km/h	4.6 mph
Second	12.6 km/h	7.8 mph	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 CO₂ 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 Performance

	Standard	Suppression
Operator Sound Level (ISO 6396:2008)	72 dBA	
Tier 4 Final, Stage V, Korea Stage V, and Japan 2014		
Machine Sound Level (ISO 6395:2008)	111 dBA	109 dBA
Brazil MAR-1 equivalent to China Nonroad Stage III, Tier 3/Stage IIIA		
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	28,250 lb
Plus Tips Weight (Group)	13 510 kg	29,784 lb
Paddle Tips Weight (Group)	12 350 kg	27,227 lb
Chopper Tips Weight (Group)	12 884 kg	28,404 lb
Diamond Tips Weight (Group)	14 814 kg	32,659 lb
Outside Diameter	2128 mm	83.8 in
Outside Diameter – Diamond	2140 mm	84.3 in
Drum Diameter	1770 mm	69.7 in
Drum Width	1400 mm	55.1 in
Feet per Row	8	
Feet per Wheel	40	
Replaceable	Weld On	
Width Over Drums	4280 mm	168.5 in
Tip Height	179 mm	7.0 in
Tip Height – Diamond	184 mm	7.25 in

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Global

