



Cat[®] 826

Landfill Compactor

The Cat[®] 826 Landfill Compactor is designed with heavy-duty main structures that support multiple lifecycles, features a Cat C15 engine, single-lever steering, pressurized cab, and wheel/tire 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.
- Low spectator sound levels and optional low sound packages.

Serviceability

- Easy access 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: engine shutdown switch, lockable battery disconnect, and auxiliary start.
- Quick visual inspection and minimized 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.
- Guarding around the axles mitigates risk of damaged components.

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 and EU Stage V emission standards or emitting equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- For the Tier 4 Final, EU Stage V 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 (STIC[™]) system.
- 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.
- Torque converter with lock-up clutch eliminates torque converter losses while lowering system heat. Improves travel speeds and increases fuel efficiency.
- Lock-up torque converter transfers more power to the ground and optimizes fuel efficiency in all applications.



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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 optional Cat Compact with Elevation Mapping.

Guarding

Working in the toughest application, the purpose built 826 Landfill Compactor has specialized waste guarding to protect key components and systems from damage, debris, chemicals, premature wear, or wrapping of the material around components.

This additional guarding includes:

- **Engine and Powertrain Guards** – Hydraulically actuated guards help prevent trash buildup and shield components.
- **Front Frame Guards** – Front frame guards prevent trash buildup inside the frame. This guard further protects components and hydraulic lines.
- **Axle Wrapping and Seal Guarding** – The guarding prevents material from wrapping and binding around the axles, as well as assists in ease of cleaning.
- **Major System Guarding and Sight Gauges** – Transmission oil tube is guarded to resist damage from debris. The sight gauge for the transmission is visible from ground level. The fuel tank is positioned away from the debris in the front frame and is easily accessed.
- **Air Inlet Screen** – The vertically corrugated, fine-mesh air inlet screen helps reduce trash from entering the radiator area and allows for debris to fall off.

- **Striker Bars and Optional Cleaner Fingers** – Striker bars are located in front of and behind the rear wheels and behind the front wheels. Striker bars help to keep wheels free of debris to assist the wheel step tips in maintaining good compaction. In cohesive material or severe packing conditions, optional cleaner fingers are available to further assist in keeping the wheel step tips clean.
- **Extended Roof** – An oversized roof extends past the cab doors and windows to minimize debris buildup.
- **Under Hood Ventilation System** – Creates a neutral pressure environment to prevent trash ingestion from hood openings while providing fresh air to the alternator, electronics, and turbo.

Wheel Tip Options to Meet Your Application

- Designed specifically to complement Cat machines.
- Improves machine performance through longer wear life and maintaining traction.
- Four 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.

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
POWERTRAIN			OPERATOR ENVIRONMENT (CONTINUED)		
Air-to-air aftercooler	✓		Heater and defroster	✓	
Axle arrangements: no spin front, no spin rear, no spin front and rear	✓		Hydraulic controls – seat mounted	✓	
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)	✓		Intermittent wipers (front and rear)	✓	
Electro hydraulic parking brake	✓		Instrumentation, gauges	✓	
Electronic clutch pressure control (ECPC)	✓		Instrumentation, warning indicators	✓	
Fuel priming pump (electric)	✓		Internal four-post rollover protective structure/falling objects protective structure (ROPS/FOPS)	✓	
Fuel-to-air cooler	✓		Lights, cab – dome	✓	
Ground level engine shutdown switch	✓		Lunchbox and beverage holders	✓	
Heat shield, turbo, and exhaust manifold	✓		Mirror, internal (panoramic)	✓	
Heater, engine coolant, 120V		✓	Mirrors, heated, rearview (externally mounted)	✓	
Heater, engine coolant, 240V		✓	Precleaner, cab powered	✓	
Hydraulically driven demand fan	✓		Radio, AM/FM/Aux/USB/Bluetooth®		✓
Integrated braking	✓		Radio, CB (ready)	✓	
Radiator, aluminum modular radiator (AMR)	✓		Seat belt with minder, retractable, 76 mm (3") wide	✓	
Separated cooling system	✓		Premium plus seat	✓	
Single clutch speed shifting (SCSS)	✓		Steering and Transmission Integrated Control (STIC™) system with lockout	✓	
Starting aid (ether)	✓		Transmission gear (indicator)	✓	
Throttle lock	✓		Vital Information Management System (VIMS™)	✓	
Torque converter with lock-up clutch (LUC)	✓		Wet-arm wipers/washers (front and rear)	✓	
Transmission, planetary with 2F/2R speed range control	✓		GUARDS		
Underhood ventilation system	✓		Guards, axle (front and rear)	✓	
ELECTRICAL			Guard, cab window	✓	
Alarm, back-up	✓		Guards, crankcase and powertrain, hydraulically powered	✓	
Alternator, 150 amp	✓		Guard, driveshaft	✓	
Batteries, maintenance-free (4-1,000 CCA)	✓		Guard, differential (front and rear)	✓	
Converter, 10-15 amp, 24V to 12V	✓		Guards, rear fan and grill		✓
Electrical system, 24V	✓		BLADES		
Ground level lockable battery disconnect switch	✓		Dozer arrangement (no blade)	✓	
Light, warning unswitched (LED strobe)	✓		Bulldozer blades		✓
Lighting, access stairway	✓		FLUIDS		
Lighting system halogen (front and rear)	✓		Antifreeze, -50° C (-58° F)		✓
Lighting system LED (front and rear)		✓	Antifreeze, premixed 50% concentration extended life (-34° C/-29° F)	✓	
Lighting, underhood	✓		TECHNOLOGY PRODUCTS		
Starter, electric (heavy duty)	✓		Product Link™ – cellular, satellite	✓	
Starting receptacle for auxiliary start	✓		WHEELS AND CLEANER BARS		
OPERATOR ENVIRONMENT			Wheels and tips: wheel arrangements – 7" combination tips	✓	
Cab, sound-suppressed pressurized, radio ready for entertainment includes antenna, speakers, converter (12-volt 10/15-amp) and power port	✓		Wheels and tips: wheel arrangements – 7.25" diamond tips, 7" paddle tips, 7" plus tips		✓
Air conditioner with roof-mounted condenser	✓		Striker bars	✓	
Camera, rear vision	✓		Striker bars with cleaner fingers		✓
Fingertip shifting controls	✓				
Flip-up armrest	✓				
Glass (window) – rubber-mounted glass	✓				

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Technical Specifications

Engine

Engine Model	Cat® C15	
Emissions	U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, and Japan 2014 or Brazil MAR-1, emitting equivalent to U.S. EPA Tier 3/EU Stage IIIA	
Rated Speed	1,800 rpm	
Net Power (SAE J1349:2011)	302 kW	405 hp
Net Power (ISO 9249:2007)	302 kW	405 hp
Gross Power (SAE J1995:2014)	324 kW	435 hp
Engine Power (ISO 14396:2002)	318 kW	426 hp
Peak Torque @ 1,300 rpm	2005 N·m	1,479 lbf·ft
Torque Rise	33%	
Bore	137.2 mm	5.4 in
Stroke	171.4 mm	6.7 in
Displacement	15.2 L	927.6 in ³
High Idle Speed	2,300 rpm	
Low Idle Speed	800 rpm	
Maximum Altitude without Derating (U.S. EPA Tier 4 Final/EU Stage V)	2834 m	9,298 ft
Maximum Altitude without Derating (U.S. EPA Tier 3/EU Stage IIIA)	2773 m	9,098 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)	40 917 kg	90,207 lb
Operating Weight (Tier 3/Stage IIIA equivalent)	40 454 kg	89,186 lb
Max Operating Weight (Tier 4 Final/Stage V)	41 988 kg	92,568 lb
Max Operating Weight (Tier 3/Stage IIIA equivalent)	41 526 kg	91,549 lb

Transmission

Transmission Type	Cat Planetary Power Shift – Electronic Clutch Pressure Control (ECP)	
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Travel Speeds

Direct Drive Forward 1	6.8 km/h	4.2 mph
Direct Drive Forward 2	12.1 km/h	7.5 mph
Direct Drive Reverse 1	7.8 km/h	4.3 mph
Direct Drive Reverse 2	13.8 km/h	8.6 mph

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	Double Acting – End Mounted	
Bore	114.3 mm	4.5 in
Stroke	576 mm	22.7 in
Steering System – Pump	Piston – Variable Displacement	
Maximum System Flow	170 L/mm @ 1,800 rpm	44.9 gal/min @ 1,800 rpm
Steering Pressure Limited	24 000 kPa	3,481 psi
Vehicle Articulation Angle	86°	

Axles

Front	Planetary – Fixed
Rear	Planetary – Oscillating
Oscillation Angle	±5°

Sound Performance

Tier 4 Final/EU Stage V	Standard	Suppression
Operator Sound Level (ISO 6396:2008)	73 dBA	72 dBA
Machine Sound Level (ISO 6395:2008)	113 dBA	110 dBA
Tier 3/EU Stage IIIA Equivalent	Standard	Suppression
Operator Sound Level (ISO 6396:2008)	73 dBA	72 dBA
Machine Sound Level (ISO 6395:2008)	113 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.
- 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.
- 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.



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(Global)

