



826

Landfill Compactor

Technical Specifications

Configurations and features may vary by region. Please consult your Cat® dealer for availability in your area.

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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 (Brazil MAR-1, emitting equivalent to 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	Planetary – Powershift – ECPC	
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

Hydraulic System

Pump Flow at 1,800 rpm	117 L/min	30.9 gal/min
Main Relief Pressure	26 000 kPa	3,771 psi
Maximum Supply Pressure	24 100 kPa	3,495 psi
Lift System	Double Acting Cylinder	
Bore	120 mm	4.7 in
Stroke	1070 mm	42.1 in

Service Refill Capacities

Cooling System	116 L	30.6 gal
Engine Crankcase	34 L	9.0 gal
Transmission	66 L	17.4 gal
Fuel Tank	782 L	206.6 gal
Diesel Exhaust Fluid Tank (Tier 4 Final/Stage V)	32 L	8.5 gal
Differentials and Final Drives – Front	100 L	26.4 gal
Differentials and Final Drives – Rear	110 L	29.1 gal
Hydraulic Tank Only	134 L	35.4 gal

- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels** up to:
 - 20% biodiesel FAME (fatty acid methyl ester)*
 - 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details.

- * Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).

** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

- Cat DEO-ULS™ or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specifications are required.
- Diesel exhaust fluid (DEF) that meets all requirements defined in ISO 22241-1:2006.

Axles

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

Brakes

Service Brakes	Multi Disc Wet (Enclosed) 2 WHL
Parking Brake	Drum and Shoe, Spring Applied, Hydraulic Released

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Sound Performance

Tier 4 Final/Stage V	
Operator Sound Pressure Level (ISO 6396:2008)	73 dB(A)
Machine Sound Power Level (ISO 6395:2008)	113 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)	72 dB(A)*
Machine Sound Power Level (ISO 6395:2008)	110 dB(A)*
Tier 3/Stage IIIA	
Operator Sound Pressure Level (ISO 6396:2008)	73 dB(A)
Machine Sound Power Level (ISO 6395:2008)	113 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)	72 dB(A)*
Machine Sound Power Level (ISO 6395:2008)	110 dB(A)*

* Sound suppression equipped

- 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.

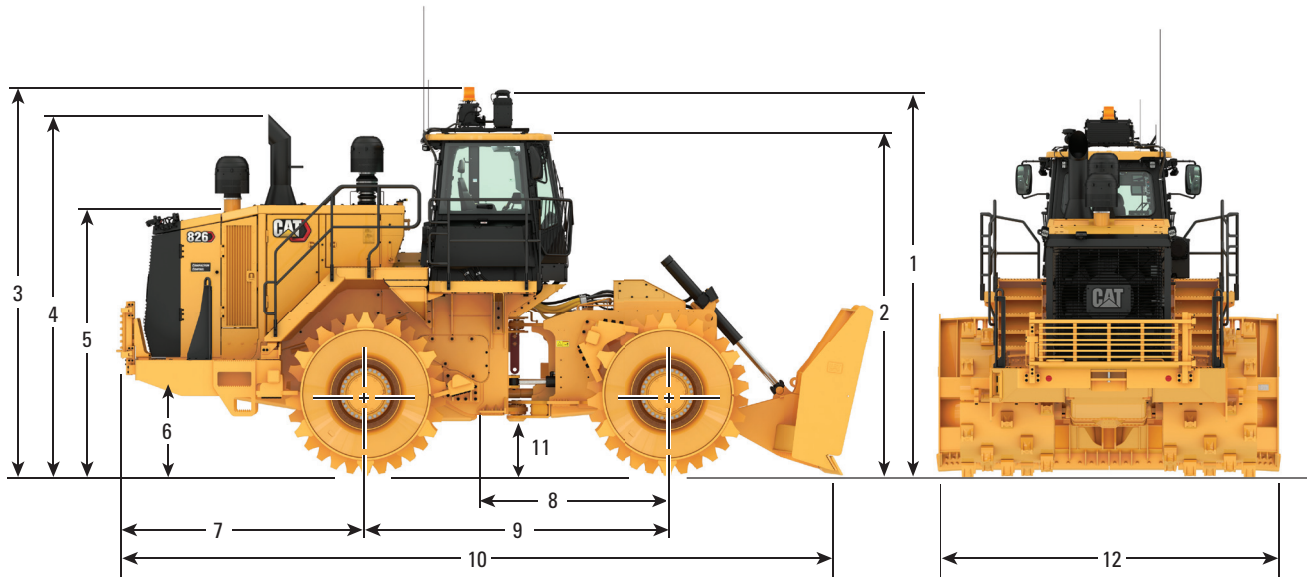
Hydraulic System – Steering

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

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Dimensions

All dimensions are approximate.



1 Height to Top of A/C Condenser	4568 mm	14 ft 11.8 in
2 Height to Top of Cab Roof	4193 mm	13 ft 9.1 in
3 Height to Top of Beacon	4765 mm	15 ft 7.6 in
4 Height to Top of Exhaust Pipe	4439 mm	14 ft 6.8 in
5 Height to Top of Hood	3312 mm	10 ft 10.4 in
6 Ground Clearance to Bumper	960 mm	3 ft 1.8 in
7 Centerline of Rear Axle to Edge of Counterweight		
No Rear Radiator Guard	2860 mm	9 ft 4.6 in
Including Rear Radiator Guard	3096 mm	10 ft 1.9 in
8 Hitch to Centerline of Front Axle	1850 mm	6 ft 1 in
9 Wheelbase	3700 mm	12 ft 2 in
10 Length with Blade on Ground – includes rear radiator guard (straight blade)	8715 mm	28 ft 7.1 in
11 Ground Clearance	642 mm	2 ft 1.3 in
12 Width over Wheels	3800 mm	12 ft 6 in
Turning Radius – inside of wheels	2797 mm	9 ft 2 in

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Blade Selection

	Straight Blade		Semi U-blade		U-blade	
Width – Moldboard Length	4311 mm	14 ft 2 in	4462 mm	14 ft 8 in	4331 mm	14 ft 3 in
Width over End Bits	4502 mm	14 ft 9 in	4522 mm	14 ft 10 in	4398 mm	14 ft 5 in
Height with Cutting Edge and Screen	1900 mm	6 ft 2.8 in	2022 mm	6 ft 7.6 in	2019 mm	6 ft 7.5 in
Maximum Depth of Cut	461 mm	1 ft 6 in	619 mm	2 ft 0.4 in	619 mm	2 ft 0.4 in
Maximum Lift above Ground	1277 mm	4 ft 2.3 in	1165 mm	3 ft 9.9 in	1156 mm	3 ft 9.5 in
Capacity, Rated	12.3 m ³	16.1 yd ³	16 m ³	20.9 yd ³	17.5 m ³	22.9 yd ³
Overall Machine Length (includes rear radiator guard, measured to cutting edge)	8715 mm	28 ft 7.1 in	9005 mm	29 ft 6.5 in	9357 mm	30 ft 8.4 in

Wheels

Combination Tips Weight (Group)	9582 kg	21,125 lb
Plus Tips Weight (Group)	9980 kg	22,002 lb
Paddle Tips Weight (Group)	9317 kg	20,540 lb
Diamond Tips Weight (Group)	10 885 kg	23,997 lb
Outside Diameter	1971 mm	77.6 in
Outside Diameter – Diamond	1983 mm	78.1 in
Drum Diameter	1610 mm	63.4 in
Drum Width	1200 mm	47.2 in
Feet per Row	6	
Feet per Wheel	30	
Replaceable	Weld On	
Width Over Drums	3800 mm	149.6 in
Tip Height	179 mm	7.0 in
Tip Height – Diamond	184 mm	7.25 in

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Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
POWERTRAIN			OPERATOR ENVIRONMENT		
Air-to-air aftercooler	✓		Cab, sound-suppressed pressurized, radio ready for entertainment includes antenna, speakers, converter (12-volt 10/15-amp) and power port	✓	
Axles, no spin front, standard rear		✓	Air conditioner with roof-mounted condenser	✓	
Axles, no spin rear, standard front		✓	Cat Compact RTK Mapping (available through SITECH only)		✓
Axles, no spin front and rear		✓	Cat Compact SBAS Mapping (available through SITECH only)		✓
Brakes, full hydraulic, enclosed, wet multiple disc service brakes	✓		Camera, rear vision	✓	
Cat Clean Emission Module (U.S. EPA Tier 4 Final/ EU Stage V only)	✓		Fingertip shifting controls	✓	
Electro hydraulic parking brake	✓		Flip-up armrest	✓	
Electronic Clutch Pressure Control (ECPC)	✓		Glass (window) – rubber-mounted glass	✓	
Engine, Cat C15 configured for two emissions options: Tier 4 Final/Stage V, or emitting equivalent to U.S. EPA Tier 3/EU Stage IIIA	✓		Heater and defroster	✓	
Fuel priming pump (electric)	✓		Horn group (trumpet)	✓	
Fuel-to-air cooler	✓		Hydraulic controls – seat mounted	✓	
Ground level engine shutoff	✓		Implement hydraulic lockout	✓	
Heat shield, turbo, and exhaust manifold	✓		Intermittent wipers (front and rear)	✓	
Heater, engine coolant, 120V		✓	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	✓	
Heater, engine coolant, 240V		✓	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	✓	
Hydraulically driven demand fan	✓		Internal four-post rollover protective structure/falling objects protective structure (ROPS/ FOPS)	✓	
Integrated braking	✓		Lights, cab – dome	✓	
Muffler under hood (Tier 3/Stage IIIA equivalent only)	✓		Lunchbox and beverage holders	✓	
Radiator, Aluminum Modular Radiator (AMR)	✓		Mirror, internal (panoramic)	✓	
Separated cooling system	✓		Mirrors, heated, rearview (externally mounted)	✓	
Single Clutch Speed Shifting (SCSS)	✓		Precleaner, cab powered	✓	
Starting aid (ether)	✓		Radio, AM/FM/Aux/USB/Bluetooth®		✓
Throttle lock	✓		Radio, CB (ready)	✓	
Torque converter with lockup clutch (LUC)	✓		Seat belt with minder, retractable, 76 mm (3") wide	✓	
Turbine precleaner, engine air intake	✓		Premium plus seat containing forced air heating and cooling, 2-way thigh adjustment, power lumbar and back bolster adjustment, ride stiffness adjustment, dynamic end dampening, and leather finish	✓	
Transmission, planetary with 2F/2R speed range control	✓		Steering and Transmission Integrated Control (STIC™) system with lockout	✓	
Underhood ventilation system	✓		Transmission gear (indicator)	✓	
ELECTRICAL			Vital Information Management System (VIMS™): graphical information display, external data port, customizable operator profiles, event indicator light on rear grill	✓	
Alarm, backup	✓		Wet-arm wipers/washers (front and rear)	✓	
Alternator, 150 amp	✓				
Auxiliary start receptacle	✓				
Batteries, maintenance-free (4-1,000 CCA)	✓				
Converter, 10-15 amp, 24V to 12V	✓				
Electrical system, 24V	✓				
Ground level lockable master disconnect switch	✓				
Light, warning unswitched (LED strobe)	✓				
Lighting, access stairway	✓				
Lighting system halogen (front and rear)	✓				
Lighting system LED (front and rear)		✓			
Lighting, underhood	✓				
Starter, electric (heavy duty)	✓				

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Standard and Optional Equipment (continued)

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

	Standard	Optional		Standard	Optional
GUARDS			OTHER STANDARD EQUIPMENT		
Guards, axle (front and rear)	✓		Demand fan/swing out (hydraulic reversible)	✓	
Guard, cab window	✓		Doors, service access (locking)	✓	
Guards, crankcase and powertrain, hydraulically powered	✓		Ecology drains for engine, radiator, transmission, hydraulic tank	✓	
Guard, driveshaft	✓		Engine idle management features: – Auto idle kickdown – Delayed engine shutdown – Engine idle shutdown	✓	
Guard, differential (front and rear)	✓		Engine, crankcase, 500 hour interval with CJ-4 oil	✓	
Guards, rear fan and grill		✓	Emergency platform egress	✓	
BLADES			Fire suppression ready	✓	
Dozer arrangement (no blade)	✓		Fold down exhaust stack for shipping	✓	
Bulldozer blades		✓	Fuel tank, 782 (207)	✓	
FLUIDS			Hitch, drawbar with pin	✓	
Antifreeze, -50° C (-58° F)		✓	Hoses, Cat XT™	✓	
Antifreeze, premixed 50% concentration extended life (-34° C/-29° F)	✓		Hydraulic, engine, and transmission oil coolers	✓	
TECHNOLOGY PRODUCTS			Oil change system, high speed	✓	
Product Link™ – Cellular, Satellite	✓		Oil sampling valves	✓	
WHEELS AND CLEANER BARS			Stairways, fixed–L/R (rear access)	✓	
Wheels and tips: wheel arrangements – 7" combination tips	✓		Stairway, swingout (LH & RH)		✓
Wheels and tips: wheel arrangements – 7.25" diamond tips, 7" paddle tips, 7" plus tips		✓	Steering, load sensing	✓	
Striker bars	✓		Total hydraulic filtration system	✓	
Striker bars with cleaner fingers		✓	Vandalism protection caplocks	✓	
			Venturi stack	✓	
			SPECIAL ARRANGEMENTS		
			Engine precleaners – single stage	✓	
			Engine precleaners – dual stage		✓
			Engine, sound suppression		✓
			MISCELLANEOUS		
			CE/UKCA Certification (standard where regulations require it)		✓
			Plate – year of manufacture (Tier 3/Stage IIIA equivalent only)		✓

826 Landfill Compactor Environmental Declaration

The following information applies to the machine at the time of final manufacture as configured for sale in the regions covered in this document. The content of this declaration is valid as of the date issued; however, content related to machine features and specifications are subject to change without notice. For additional information, please see the machine's Operation and Maintenance Manual.

For more information on sustainability in action and our progress, please visit <https://www.caterpillar.com/en/company/sustainability>.

Engine

- The Cat® C15 engine is available in configurations that meet 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.
- Cat U.S. EPA Tier 4 Final/EU Stage V diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels*** up to:
 - ✓ 20% biodiesel FAME (fatty acid methyl ester)*
 - ✓ 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels
- Cat engines meeting Brazil MAR-1, emitting equivalent to U.S. EPA Tier 3/EU Stage IIIA, are compatible with diesel fuel blended with the following lower-carbon intensity fuels up to:
 - ✓ 100% biodiesel FAME (fatty acid methyl ester)**
 - ✓ 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.

**Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel.*

***For use of blends higher than 20% biodiesel, consult your Cat dealer.*

****Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.*

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas.
- If equipped with R134a (Global Warming Potential = 1430), the system contains 1.4 kg (3.1 lb) of refrigerant which has a CO₂ equivalent of 2.002 metric tonnes (2.206 tons).

Paint

- Based on best available knowledge, the maximum allowable concentration, measured in parts per million (PPM), of the following heavy metals in paint are:
 - Barium < 0.01%
 - Cadmium < 0.01%
 - Chromium < 0.01%
 - Lead < 0.01%

Sound Performance

Tier 4 Final/Stage V

Operator Sound Pressure Level (ISO 6396:2008)	73 dB(A)
Machine Sound Power Level (ISO 6395:2008)	113 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)	72 dB(A)*
Machine Sound Power Level (ISO 6395:2008)	110 dB(A)*

Tier 3/Stage IIIA

Operator Sound Pressure Level (ISO 6396:2008)	73 dB(A)
Machine Sound Power Level (ISO 6395:2008)	113 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)	72 dB(A)*
Machine Sound Power Level (ISO 6395:2008)	110 dB(A)*

* Sound suppression equipped

- 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.

Oils and Fluids

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio HYDO™ Advanced is an EU Ecolabel approved biodegradable hydraulic oil.
- Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

Features and Technology

- The following features and technology contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
 - Automatic engine and electrical system shutdown controls conserve fuel by reducing unnecessary idling
 - Throttle lock reduces fuel burn further by maintaining constant speed and also reduces operator fatigue
 - Single Clutch Speed Shifting (SCSS) transmission controls delivers greater momentum on grades and saves fuel by carrying that momentum through the shift points
 - Extended maintenance intervals reduce fluid and filter consumption
 - Cat clean emissions module includes diesel particulate filter (DPF), diesel oxidation catalyst (DOC), and selective catalytic reduction (SCR) technologies to reduce the engine's emissions



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For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com.

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

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