826 LANDFILL COMPACTOR

Gross Power – SAE J1995:2014 Net Power – SAE J1349:2011 Net Power – ISO 9249:2007 324 kW (435 hp) 302 kW (405 hp) 302 kW (405 hp)



826 LANDFILL COMPACTOR

Cat[®] landfill compactors are designed with durability built in, ensuring maximum availability through multiple lifecycles. With optimized performance and simplified serviceability, our machines allow you to operate more efficiently and safely. Introduced in 1978, the 826 has been an industry leader for over 45 years. Focused on helping our customers succeed, we have continued to build upon each new series. The 826 continues our legacy of reliability, performance, safety, operator comfort, serviceability, and efficiency.



IMPROVED MAINTENANCE

Make regular maintenance more convenient with accessible controls located inside the cab.

ADDITIONAL SAFETY

Grouped ground level engine and machine controls allow for safe and easy daily maintenance.

ENHANCED OPERATOR COMFORT

Comfortable cab and low effort controls with reduced vibration levels help operators work more productively throughout the day.

OPERATOR COMFORT AND CONTROL



- 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.



TOP-TIER SERVICE AND SUPPORT

- 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 jump start receptacle.
- 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.

MAINTENANCE SAVINGS

GROUPED COMPONENTS REDUCE MAINTENANCE TIME

SIGHT GAUGES REDUCE CONTAMINATION RISK AND DAILY SERVICE TIME

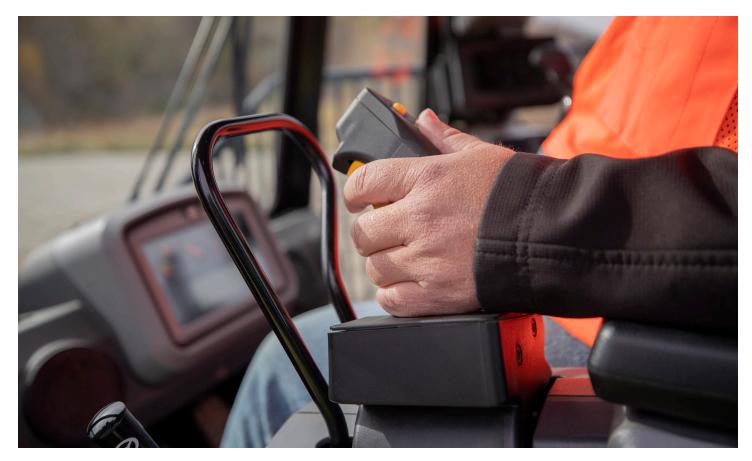




EFFICIENCY AND PRODUCTIVITY

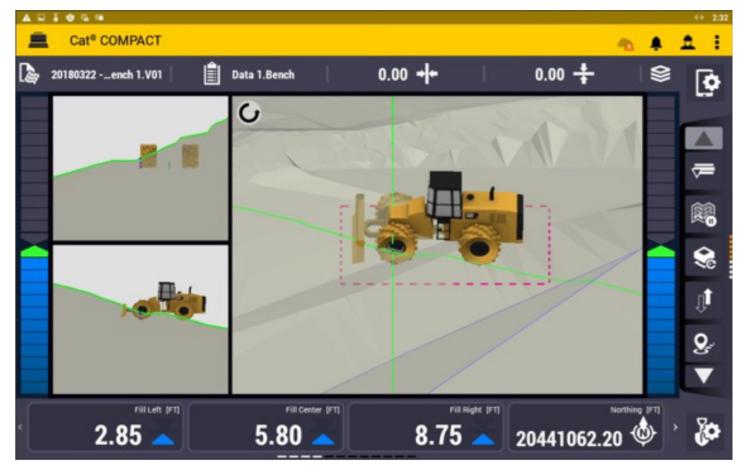


- Improved performance, long life, low emissions.
- High productivity and fuel efficient.
- Two engine options available that meet U.S. EPA Tier 4 Final and EU Stage V emission standards or emitting equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- For the Tier 4 Final, Stage V option, the Cat Clean 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 (TC) with lock-up clutch which eliminates torque converter 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.



PRODUCTIVITY WITH TECHNOLOGY

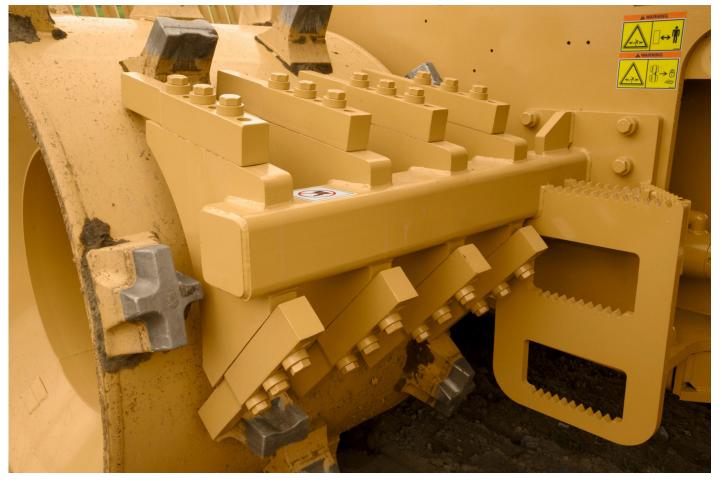
- Compact technology combines advanced compaction measurement, in-cab guidance, and reporting capabilities to help you consistently meet compaction targets fast, uniformly, and in fewer passes – saving on fuel and the cost of unnecessary rework.
- Link technology (standard) provides access to machine location, hours, fuel consumption, idle time, events, and diagnostic codes through the online VisionLink® interface.
- Improved productivity with optional Cat Compact with Elevation Mapping.



Working in the toughest application, the purpose-built Cat 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 TIPS BUILT TO PERFORM

- 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.





MORE THAN MACHINES BUILT AROUND YOUR SUCCESS

When you buy Cat equipment, you get so much more than the machine. You also get the support of a best-in-class dealer network, backed by a range of flexible solutions, technology, tools, and more.



CUSTOMER VALUE AGREEMENTS

A Customer Value Agreement (CVA) from your Cat dealer helps you do more and worry less. A CVA simplifies machine ownership and maintenance, adds the security of expert dealer support, and gives you the peace of mind from effective equipment health management.

GENUINE CAT PARTS

Genuine Cat parts deliver the highest level of reliability and productivity. Order direct from your Cat dealer or shop online at parts.cat.com.

REPAIR OPTIONS

A broad range of repair options gives you choices that work with your needs, budget, and timeline. Every repair is performed by expert Cat technicians. You'll receive smart repair advice, a timely, accurate quote, and service that gets your machine back into action quickly.

FINANCIAL SERVICES

Count on Cat Financial to provide the best finance and extended protection solutions for your business. For more than 30 years, we have helped our customers succeed through financial service excellence.













DOZERS

SKID STEERS

MATERIAL HANDLERS

EXCAVATORS

WHEEL LOADERS

TRACK LOADERS

TECHNICAL SPECIFICATIONS

Engi	ine	
Gross Power - SAE J1995:2014	324 kW	435 hp
Net Power - SAE J1349:2011	302 kW	405 hp
Net Power - ISO 9249:2007	302 kW	405 hp
Engine Power - ISO 14396:2002	318 kW	426 hp
Engine Model	C15	i Cat [®]
Emissions	Korea Stage V a Brazil MAR-1, em	Final/ EU Stage V/ and Japan 2014 or nitting equivalent to 3/EU Stage IIIA
Rated Speed	1	800
Torque Rise	3	3%
Bore	137.2 mm	5.4 in
Stroke	171.4 mm	6.7 in
Displacement	15.2	927.6 in ³
High Idle Speed	2300 r/min	2,300 r/min
Low Idle Speed	800 r/min	800 r/min
Maximum Altitude – Without Derating (Tier 4 Final/Stage V)	2834 m	9,298 ft
Maximum Altitude - Without Derating (Tier 3/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 Spe	cifications			
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		
Maximum Operating Weight (Tier 4 Final/Stage V)	41 988 kg	92,568 lb		
Maximum Operating Weight (Tier 3/ Stage IIIA equivalent)	41 526 kg	91,549 lb		
Transmis	sion			
Transmission Type	Planetary - Po	owershift - ECPC		
Direct Drive - Forward 1	6.8 km/h	4.2 mile/h		
Direct Drive - Forward 2	12.1 km/h	7.5 mile/h		
Direct Drive - Reverse 1	7.8 km/h	4.3 mile/h		
Direct Drive - Reverse 2	13.8 km/h	8.6 mile/h		
Hydraulic System				
Pump Flow at 1800 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 Ac	ting Cylinder		
Bore	120 mm	4.7 in		
Stroke	1070 mm	42.1 in		

Service Refill Capacities				
Cooling System	116	30.6 gal (US)		
Engine Crankcase	34 I	9 gal (US)		
Transmission	66 I	17.4 gal (US)		
Fuel Tank	782	206.6 gal (US)		
Diesel Exhaust Fluid Tank (Tier 4 Final/ Stage V)	32	8.5 gal (US)		
Differential - Final Drives - Front	100 l	26.4 gal (US)		
Differential - Final Drives - Rear	110	29.1 gal (US)		
Hydraulic Tank Only	134 I	35.4 gal (US)		

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 lowercarbon 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				
Planetary - Fixed				
Planetary - Oscillating				
±5°				
tem				
/lulti Disc Wet (Enclosed) 2 WHL				
Drum and Shoe, Spring Applied, Hydraulic Released				
Sound Performance - Tier 4 Final/Stage V				
8) 73 dB(A)				
113 dB(A)				
8)* 72 dB(A)				
* 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.

Sound Performance - Tier 3/Stag	e 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 Sys	tem - Steering	
Steering System - Circuit	Pilot operate	d, load sensing
Bore	114.3 mm	4.5 in
Stroke	576 mm	22.7 in
Steering System - Pump	Piston - Variab	le Displacement
Maximum System Flow) rpm (44.9 gal/min 00 rpm)
Steering Pressure Limited	24 000 kPa	3,481 psi
Vehicle Articulation Angle	86 °	86 °
Dimensions (A	Approximate)	
Height to Top of Air Conditioning Condenser	4568 mm	14.99 ft
Height - Cab Roof	4193 mm	13.75 ft
Height - Top of Beacon	4765 mm	15.63 ft
Height - Top of Exhaust Pipe	4439 mm	14.56 ft
Height - Top of Hood	3312 mm	10.87 ft
Ground Clearance - Bumper	960 mm	3.15 ft
Centerline of Rear Axle to Edge of Counterweight - No Rear Radiator Guard	2860 mm	9.38 ft
Centerline of Rear Axle to Edge of Counterweight - Including Rear Radiator Guard	3096 mm	10.16 ft
Hitch to Centerline of Front Axle	1850 mm	6.07 ft
Wheel Base	3700 mm	12.14 ft
Length - With Blade on Ground - Straight Blade - Including Rear Radiator Guard	8715 mm	28.59 ft
Ground Clearance	642 mm	2.11 ft
Width - Over Wheels	3800 mm	12.47 ft
Turning Radius - Inside of Wheels	2797 mm	9.18 ft

Straight Blade				
Width – Moldboard Length	4311 mm	14.16 ft		
Width - Over End Bits	4502 mm	14.75 ft		
Height with Cutting Edge and Screen	1900 mm	6.23 ft		
Maximum Depth of Cut	461 mm	1.5 ft		
Maximum Lift above Ground	1277 mm	4.19 ft		
Capacity, Rated	12.3 m ³	16.1 yd ³		
Overall Machine Length (includes rear radiator guard, measured to cutting	8715 mm	28.59 ft		

edge)

Semi U-Blade				
Width – Moldboard Length	4462 mm	14.66 ft		
Width - Over End Bits	4522 mm	14.83 ft		
Height with Cutting Edge and Screen	2022 mm	6.63 ft		
Maximum Depth of Cut	619 mm	2.03 ft		
Maximum Lift above Ground	1165 mm	3.83 ft		
Capacity, Rated	16 m ³	20.9 yd ³		
Overall Machine Length (includes rear radiator guard, measured to cutting	9005 mm	29.54 ft		

edge)

U-Blade				
Width – Moldboard Length	4331 mm	14.25 ft		
Width - Over End Bits	4398 mm	14.41 ft		
Height with Cutting Edge and Screen	2019 mm	6.62 ft		
Maximum Depth of Cut	619 mm	2.03 mm		
Maximum Lift above Ground	1156 mm	3.79 ft		
Capacity, Rated	17.5 m ³	22.9 yd ³		
Overall Machine Length (includes rear radiator guard, measured to cutting edge)	9357 mm	30.7 ft		

Whe	els	
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	We	eld On
Width Over Drums	149.6 in	3,800 mm
Tip Height	7 in	179 mm
Tip Height - Diamond	179 mm	7.25 in

STANDARD & OPTIONAL EQUIPMENT

NOTE: Standard and optional equipment may vary. Consult your Cat[®] dealer for details.

	Standard	Optional		Standard	Optional
FLUIDS			OPERATOR ENVIRONMENT Continued		
Antifreeze, premixed 50% concentration extended life (–34° C/–29° F)	\checkmark		Instrumentation, gauges: – Diesel exhaust fluid (DEF) level (U.S. EPA Tier 4 Final/ EU	\checkmark	
OTHER STANDARD EQUIPMENT			Stage V) – Engine coolant temperature		
Demand fan/swing out (hydraulic reversible)	1		– Fuel level – Hydraulic oil temperature – Speedometer/tachometer – Torque converter		
Doors, service access (locking)	1		temperature		
Ecology drains for engine, radiator, transmission, hydraulic tank	1		Instrumentation, warning indicators: – Action alert system, three categories – Brake oil	\checkmark	
Emergency platform exit	1		pressure – Electrical system, low voltage –		
Engine, crankcase, 500 hour interval with CJ-4 oil	<i>✓</i>		Engine failure malfunction alert and action		
Engine idle management features: – Auto idle kickdown – Delayed engine shutdown –	1		lamp – Parking brake status Mirror, internal (panoramic)	1	
Engine idle shutdown			Mirrors, heated, rearview (externally mounted)	<i>\</i>	
Fire suppression ready	1		Premium plus seat containing forced air heating and cooling, 2-way thigh adjustment,	\checkmark	
Fuel tank, 782 L (207 gal)	1		power lumbar and back bolster adjustment,		
Hitch, drawbar with pin	1		ride stiffness adjustment, dynamic end		
Hoses, Cat XT™	\checkmark		dampening, and leather finish		
Hydraulic, engine, and transmission oil coolers	\checkmark		Seat belt with minder, retractable, 76 mm (3	\checkmark	
Total hydraulic filtration system	1		in) wide		
Oil sampling valves	1		Steering and Transmission Integrated Control (STIC™) system with lockout	1	
Oil change system, high speed	\checkmark		Sun visor, front		
Steering, load sensing	\checkmark		Tinted glass		
Stairway, left and right rear access	\checkmark		Transmission gear (indicator)		
Vandalism protection caplocks	1		Vital Information Management System		
Venturi stack	1		(VIMS™): – Graphical information display –	V	
Fold-down exhaust stack for shipping	1		External data port – Customizable operator		
Stairway, swingout (LH & RH)		1	profiles		
OPERATOR ENVIRONMENT			Wet-arm wipers/washers (front and rear)	\checkmark	
Camera, rear vision	1		Intermittent wipers (front and rear)	\checkmark	
Air conditioner with roof-mounted condenser	1		Precleaner, cab powered	\checkmark	
Cab, sound-suppressed pressurized	1		Horn group (trumpet)	\checkmark	
Internal four-post rollover protective structure/	1		Radio, AM/FM/Aux/USB/Bluetooth®		1
falling objects protective structure (ROPS/ FOPS)			Cat Compact SBAS Mapping (available through SITECH only)		1
Radio ready for entertainment: – antenna – speakers – Converter (12V, 10-15 amp)	1		Cat Compact RTK Mapping (available through SITECH only)		1
12V power port for mobile phone or laptop	\checkmark		ELECTRICAL		
connection			Alarm, back-up	1	
Radio, CB ready			Alternator, 150 amp	1	
Coat and hard hat hooks			Batteries, maintenance-free (4 - 1,000 CCA)	1	
Fingertip shifting controls			Electrical system, 24V	1	
Flip-up armrest			Light, warning unswitched (LED strobe)	1	
Heater and defroster			Lighting system, halogen (front and rear)	\checkmark	
Implement hydraulic lockout			Lighting, access stairway	1	
Glass (window) – rubber mounted glass	1		Lighting, underhood	1	
Light, (dome) cab	1		Starter, electric (heavy duty)	1	
Lunch box and beverage holders	1		Ground level lockable master disconnect switch	1	

Auxiliary jump start receptacle

1

	Standard	Optional	
MISCELLANEOUS			0
Plate – year of manufacture (Tier 3/Stage IIIA equivalent only)		<i></i>	
TECHNOLOGY PRODUCTS			
Product Link™ – Cellular, Satellite	1		
BLADES			
Dozer arrangement (no blade)	1		
WHEELS AND CLEANER BARS			
Striker bars	1		
Wheels and tips: wheel arrangements – 7" combination tips	1		
Striker bars with cleaner fingers		\checkmark	
SPECIAL ARRANGEMENTS			
Engine: – Sound suppression	1		
Engine precleaners – single stage	\checkmark		
Engine precleaners – dual stage		1	
POWERTRAIN			
Single Clutch Speed Shifting (SCSS)	<i>✓</i>		
Electronic Clutch Pressure Control (ECPC)	1		
Air-to-air aftercooler	\checkmark		
Brakes, full hydraulic, enclosed, wet multiple disc service brakes	1		
Cat Clean Emission Module (U.S. EPA Tier 4 Final/ EU Stage V only)	1		
Muffler (under hood) (U.S. EPA Tier 3/EU Stage IIIA equivalent)	1		
Electro-hydraulic parking brake	1		
Engine, Cat C15 configured for two emissions options: Tier 4 Final/Stage V, or emitting equivalent to Tier 3/Stage IIIA	1		
Fuel priming pump (electric)	1		
Fuel-to-air cooler	1		
Ground level engine shutdown	\checkmark		
Heat shield, turbo and exhaust manifold	\checkmark		
Hydraulically driven demand fan	\checkmark		
Integrated braking system	\checkmark		
Radiator, aluminum modular (AMR)	\checkmark		
Separated cooling system	\checkmark		
Starting aid (ether)	\checkmark		
Throttle lock	\checkmark		
Torque converter with lock-up clutch (LUC)	1		
Eco mode	\checkmark		
Transmission, planetary, with 2F/2R speed range control	1		
Under hood ventilation system	\checkmark		
Heater, engine coolant, 120V		\checkmark	
Heater, engine coolant, 240V		\checkmark	

	Standard	Optional
GUARDS		
Guards, axle (front and rear)	1	
Guard, cab window	1	
Guard, driveshaft	1	
Guards, crankcase and powertrain, hydraulically powered	\checkmark	
Guard, differential (front and rear)	1	
Guard – rear fan and grill		1





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