# 826H Landfill Compactor

## Engine
<table>
<thead>
<tr>
<th>Engine Model</th>
<th>Cat® C15 ACERT™</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross Power</td>
<td>299 kW / 401 hp</td>
</tr>
<tr>
<td>Torque Rise</td>
<td>19%</td>
</tr>
<tr>
<td>Peak Torque – Gross</td>
<td>1881 N-m / 1,387 ft-lb</td>
</tr>
</tbody>
</table>

## Weights
<table>
<thead>
<tr>
<th>Operating Weight</th>
<th>36,967 kg / 81,498 lb</th>
</tr>
</thead>
</table>

![826H Landfill Compactor](image-url)
826H Features

Performance
Designed to work in poor underfoot conditions, the 826H has a power-to-weight ratio that balances quick acceleration and directional changes with excellent compaction characteristics.

Productivity Enhancements
CAES offers real-time feedback on compaction, eliminating missed areas and limiting excessive compaction in others.

Controlling Your Costs
The 826H saves fuel by shutting down the engine during long idle periods. Guarding options and an auto reversing fan reduce clean out downtime. In addition, rebuild options and Cat Reman parts can extend the life of a machine while reducing costs.

Operator Comfort
Safety starts with an alert, comfortable operator. Air conditioning and filtered air keep the operator cool and on task. Ergonomic controls are easy to use with unobstructed views to the front and excellent visibility to the immediate work area.

Serviceability
Easy access to service points promotes daily checking, cleaning of key areas like the radiator, and greasing critical joints – all of which lead to longer component life and uptime.

Sustainability
Landfills are an important part of our society, helping us control refuse, protecting our water supplies and our air quality. Running an 826H landfill compactor from Caterpillar can support less fuel burn with efficiency tools like CAES, and a machine that can be rebuilt for a second or possibly third life.

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Caterpillar put the first 826 landfill compactor to work in 1978. Since then, customers like you have helped us improve the safety, reliability and productivity of this very popular machine.

Our H Series model has enhanced visibility and comfort from a new ergonomic cab. Operators have greater line of sight to areas around the machine, and with CAES installed, the 826H has the ability to be more efficient, lowering your operating costs.
Caterpillar’s commitment to quality is profound. We design to a higher standard so that your business can prosper.

All of our parts are subject to quality and conformance checks, and when needed, we collaborate with suppliers early in the design phase for their knowledge and manufacturing experience.

New designs undergo Finite Element Analysis telling us where stresses congregate under loads typical of the machine’s application. New castings are virtually monitored to evaluate fill quality and cooling characteristics.

New product introductions at Caterpillar are guided by your voice, the voice of our dealers, their mechanics, and on the ability to physically manufacture a new design. These are just some of the criteria that make Cat products leaders in the industry and ensure long life, reliable machines for your business.

**Structural Integrity**

The 826H is built on structures that combine strong, load absorbing castings and box-section frames. This combination is a tried and true frame design for many Cat® products. We use computer-controlled machining to align components for hitch pin and bearing life. Frame welds are 90% robotic, consistent in quality and penetrate deep into plates. The front frame construction dissipates much of the load coming from the blade before reaching the hitch. Likewise, the rear engine end frame is absorbing torque and weight from the engine and transmission. Both frames come together at the hitch, where large hitch pins pivot on double tapered roller bearings.

**Proven Components**

Caterpillar designs and manufactures many of the critical components in the machine, including the transmission, axles, compactor wheels, engine and fuel systems. Most of these components have literally millions of hours demonstrating their reliability on all sorts of Cat machines and on-highway trucks.
Power Train – Engine
Unbeatable performance from proven designs

The 826H features proven Cat power train components like the C15 ACERT™ diesel engine.

Features of the Cat C15 ACERT
• A balanced, in-line, 6-cylinder diesel engine that’s turbocharged and aftercooled
• 15.2 L (927.56 in³) displacement and gross power of 299 kW (401 hp) for the 826H
• ADEM™ A4 electronic control drives performance and has excellent diagnostic capability
• A compression ratio of 17:1 improves cold start and optimizes performance
• MEUI fuel injection electronically controls fuel pressure and injection timing to match load – conserving fuel by using only the minimum amount of fuel required to meet the load demand.
• Leak-free gasket technology retains engine fluids and isolates noise and vibration for better sound quality and cleanliness

Air-to-Air Aftercooling
• Provides cool, dense air to the combustion chamber for optimum power
• Cooler intake air generates fewer particulate emissions.

Engine Guarding
• The C15 is compartmentalized behind a baffle to keep out debris
• The turbocharger is heat wrapped and insulated.

Engine Idle Shutdown (EIS) – If the machine is idle for an extended time, Engine Idle Shutdown will reduce rpms then shut the engine down. For EIS to work, the machine must be in neutral with no input to the implements and the parking brake applied. EIS may be required in some areas to preserve air quality, and it will help you conserve fuel. EIS will not shutdown the air conditioner, so care should be taken with battery life.
Drive Train
Integrated design for long life and uptime

The constant direction changes, poor underfoot conditions and debris riddled environment of the landfill are easily managed by the rugged and dependable 826H drive train components.

**Planetary Power Shift Transmission**
Coupled to a high-capacity torque converter and the Cat C15 engine, the extreme duty planetary powershift transmission is equipped with hydraulically controlled clutches (ECPC) for optimum shifting and acceleration. There are two forward gears and two reverse gears. Shifts are smooth for best in class operator comfort and torque spikes are controlled reducing component wear.

Unlike hydrostatic machines, power shift transmissions and heavy duty axles ensure a long lasting efficient transmission of power from the engine to the wheels.

**Controlled Throttle Shifting**
Controlled Throttle Shifting is a feature that reduces engine speed during a gear shift. Reducing engine speed during transition serves to reduce the amount of load seen by the components and it smooths the transition for improved operator comfort. The result is reduced wear and longer component life.

**Heavy-Duty Axles**
- Heavy-duty axles provide the life and impact resilience required for landfill applications.
- The rear axle oscillates ±5 degrees for ride performance and load reduction to the frame.
- Gears and bearings are sized for the tough application and heat dissipation required by constant direction changes. These long life components in the final drives and differential are designed specifically for the demands of this harsh application.

**Axles and No Spin Differential Lock**
Cat axles take the brunt of abuse in landfill applications. The 826H has heavy duty axles with guarding to prevent damage. Both the front and rear axles can be equipped with no-SPIN differential locks. On both axles, this would turn the machine into full-time, all wheel drive. This configuration is good for long straight passes on very slippery slopes, but not a good option for close, confined spaces. The standard configuration is for a no-spin differential on the rear axle, and a slip differential on the front.
There are two critical cooling systems on the machine, one for the machine, and one for the operator.

**Engine Cooling**

One critical requirement for the 826H cooling system is the ability to get air. In a trash-filled environment, this isn’t always easy. Caterpillar offers an auto-reversing fan that is hydraulically driven, and only works when temperatures require it. This fan reduces both sound levels and fuel use during periods of no demand. Engine coolant, transmission oil, hydraulic oil and air inlet manifold temperatures all provide input to the fan operation. Every 20 minutes, the fan reverses for 30 seconds to blow away debris accumulating on the air inlet screens helping protect the air flow and cooling capacity of the system.

Behind the fan is Caterpillar’s next generation modular radiator. It has seven cores with 6 fins per inch that allow debris to pass through more readily. The extreme efficiency of this radiator eliminates the need for high-ambient service cooling packages.

**Operator Cooling**

Keeping operators cool also helps keep them focused. The 826H has a roof-mounted air conditioner to help keep it out of dust and debris. In spite of its location, it will require cleaning but less often, and the condenser core is easily accessible from the rear of the cab.
826H Cab
Ergonomically designed for comfort and focus

The 826H cab is designed to reduce work load, and provide a safe, comfortable work environment for those in and around the machine.

Visibility
Visibility to the work area is excellent out of windows that extend almost to the floor. The windows are laminated glass and rubber mounted for safety and sound suppression. Mirrors increase visibility down the machine sides. An optional camera and display provide visibility to the rear of the machine reducing risk to people and equipment at the drop off area.

Comfort
The cab is pressurized to keep dust out, and is sound suppressed to reduce noise levels. A precleaner can be added for extreme levels of dust. Both air conditioning and heat are standard on the machine and sized for the solar load and cab capacity.

Command Control Steering (CCS) – The 826H cab comes standard with command control steering. Unlike a conventional steering wheel, CCS requires only 50 degrees of turn to fully articulate the machine.

STIC Steer – STIC steer is optional, and controls steering by moving the implement control right or left. It’s a very intuitive control, and further reduces the effort required to operate the machine.

Controls
The control pod is ergonomically designed and adjustable with finger tip control over the blade.

A throttle lock feature allows the operator to set a comfortable speed without having to keep the throttle depressed.

The machine comes standard with Automatic Blade Positioning technology. This technology positions the blade at a preset height every time the machine is put in a forward or reverse gear. The operator is saved from having to constantly raise and lower the blade every time they make a pass. Operators can override the system at any time.

ROPS/FOPS
The cab is designed with roll over and falling object protection both of which are most effective when used with the retractable seat belt.

Optional rubber mounted glass ensures a quick replacement to maximize machine uptime.
Caterpillar has 40 years of experience guarding landfill compactors, starting with the 816 first built in 1970. Even the simplest detail, like a bolt shearing, can interrupt your progress, so Caterpillar offers comprehensive guarding on its compactors.

- **Power Train Guards** – prevent trash build up and prevent wire, rebar and chemicals from damaging drive line components.
- **Bolt Protection** – all bolts located underneath the machine are protected against shearing.
- **Cab Guarding** – all hoses and wires underneath the cab are protected from damage.
- **Striker Bars** are available for both the front and rear wheels. These bars prevent trash from being carried up by the wheels.
- **Cleaner Fingers for Step Tip wheels** remove sticky clay and mud that would attract debris and prevent the tips from fully embedding in the waste.
- **Hydraulic Tank and Steering Cylinder Guards** prevent debris damage.
- **Cat Axle Guard System** – Almost nothing is worse than having wire or cable wrap around the axle. Caterpillar has a unique axle guarding system that protects final drives and wheel rims. The system keeps the area smooth to minimize snagging materials and widens the axle diameter to discourage wrapping.
- **Radiator Guard** – This heavy duty option swings out to provide access to the radiator and fan, and it protects the components from large debris.
- **Cab Guard** – On occasion, debris will clear the blade and climb up towards the cab window. A cab guard can redirect debris away from the front windshield.
- **Front Frame Guards** – prevent trash build up inside the frame where hydraulic lines are routed. Similarly, a hitch pin retainer guard prevents damage to pin plate.
Cat Wheels and Tips
Options to maximize performance and compaction

Caterpillar designs and manufactures its wheels in Aurora, Illinois, the same plant that assembles the compactors. There are two wheel sizes available, one 1016 mm (40 in) with Step Tips, and multiple types of 1219 mm (48 in) wheels.

Chopper Wheels
Chopper wheels deliver maximum compaction and traction on the landfill.
- The aggressive chopping action is provided by 28 blades per wheel.
- The staggered, chevron blade arrangement evenly distributes chopping coverage.
- Blade center gussets to help assure maximum refuse demolition.
- Front and rear wheel blades are mounted differently to maximize chopping and compaction in both forward and reverse.

Smooth Steel Wheels
In the event that Caterpillar doesn’t offer a tip that meets your specific needs, we recommend you apply them to a Cat steel wheel. All of the system integration work including component life, power train, cooling and structure design is based on Cat steel wheels. Designed and manufactured by Caterpillar, these wheels integrate with the final drives, bearings and other critical components of the machine. Applying a third party wheel will change these dynamics and affect machine performance and component life. It will also prevent the use of the Cat axle guard system designed for Cat wheels. Our ultimate goal is to provide you with a machine that is safe to operate, performs reliably and stays productive as long as you need it to. Cat steel wheels can make that happen.

Step Tips
Cat Step Tips deliver dependable performance in tough waste and excellent stability on side slopes. The unique pyramid shape of the tip, with its individual step and 178 mm (7 in) offer extended wear life.

Where other tips are straight up and down, the wider base and angled surface of the Step Tip leaves the landfill surface compacted rather than disturbing or “fluffing” the material.

In addition to outstanding compaction, the Step Tip provides excellent traction even as it wears.

Each tip is made of two ultra-durable materials. The upper portion is carbon steel that is harder than previous tip offerings. The bottom of the tip is a lower carbon-content steel that is easy to weld to the wheel.
Blades
Options to meet spreading requirements

**Straight Blade**
An ideal blade for most landfills with heavy duty construction. Comes equipped with a trash guard that offers good visibility and additional capacity.

**Semi U-Blade**
The Semi U-Blade combines the dozing benefits of the straight blade with the additional capacity and control of the U-Blade. This blade is equipped with a trash rack.

**U-Blade**
The best choice for large capacity hauling and spreading, the U-Blade is heavier than the other two blades with angled ends for carrying and controlling waste over longer distances.

<table>
<thead>
<tr>
<th>Blade Type</th>
<th>Capacity (m³)</th>
<th>Capacity (yd³)</th>
<th>Total Width (mm)</th>
<th>Total Width (in)</th>
<th>Height (mm)</th>
<th>Height (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Straight Blade</strong></td>
<td>13 m³</td>
<td>17 yd³</td>
<td>4502 mm</td>
<td>177 in</td>
<td>1898 mm</td>
<td>74.7 in</td>
</tr>
<tr>
<td><strong>Semi U-Blade</strong></td>
<td>14.5 m³</td>
<td>18.9 yd³</td>
<td>4490 mm</td>
<td>176.8 in</td>
<td>1960 mm</td>
<td>77.2 in</td>
</tr>
<tr>
<td><strong>U-Blade</strong></td>
<td>16.7 m³</td>
<td>21.8 yd³</td>
<td>4398 mm</td>
<td>173.1 in</td>
<td>2075 mm</td>
<td>81.7 in</td>
</tr>
</tbody>
</table>
Safety
Safety is always our first priority

We are constantly improving our products in an effort to provide a safe work environment for the operator and those who work on your job site. Here are just a few of the safety features on the 826H.

- **Visibility** – Maximized by design with a sloping rear hood, large cab windows and mirrors. Visibility can be increased with the Cat Work Area Vision System (WAVS), consisting of a rear-facing camera and in-cab display.
- **Lighting packages** illuminate the work area at dusk or early morning and can be ordered as High Intensity Discharge lights for maximum illumination.
- **Access/Egress** – The 826H has handrails and wide stairways with tread plate on walkways. The cab has doors on both sides of the cab providing egress in both directions.
- **Laminated glass** prevents windows from shattering.
- **A flashing strobe or a rotating amber beacon** are options for the top of the cab.
- **Two engine disconnect switches** are available, one inside the cab (optional) and one inside the radiator compartment (left side) at the back of the machine.
- **Guarding on key components** – like the hydraulic tank, reduce the risk of debris damaging the tank and causing a spill.
- **Retracting seat belt** on Cat Comfort Seat. The seat is ergonomically correct promoting comfort and focus.
- **Roll over and falling object protection** for the operator is built into the cab structure.
- **Cab guard** works to prevent landfill material from impacting cab glass.
- **Three levels of warning** are given when a machine parameter is out of its operating range giving the operator time to take appropriate action.
In spite of its heavy duty guarding, Caterpillar has made servicing the 826H a design priority.

• Engine and power train guards are hinged and electronically actuate for access underneath the machine.

• The radiator guard and air inlet screens swing open for convenient cleaning.

• Wide walkways with accompanying hand rails provide access to air filters, the AC Condenser and the top of the engine. The air filter includes a convenient air restriction sight gauge.

• Tanks include fluid level sight gauges for daily checks. Locking service doors give access to oil level and fill, coolant sight gauge.

• For overhauls or second life rebuilds, the cab can be removed quickly without hydraulic hoses to disconnect. Quick couplers connect AC hoses for convenience.

• Optional swing out stairs on both sides of the machine provide unobstructed access to wheels and the engine compartment.

• Important machine health information is provided by the messenger display inside the cab. In the event that something is out of spec, three levels of warning are given to the operator.

Cat Product Link*

Cat Product Link is standard on the machine, and allows remote monitoring of equipment to improve overall fleet-management effectiveness. Product Link is deeply integrated into machine systems. Events and diagnostic codes, as well as hours, fuel, idle time and other detailed information are transmitted to a secure web based application, VisionLink™. VisionLink includes powerful tools to convey information to users and dealers, including mapping, working and idle time, fuel level and more.

* Product Link licensing not available in all areas. Please consult your Cat dealer for availability.
Our commitment to you, your business and future generations is as strong as the machines we build. Our effort to build machines that live longer, use fewer resources, and produce fewer emissions is only the start. Our plants, like the Aurora facility where the 826H is built, are conserving precious energy and resources with solar power, rooftop gardens, and comprehensive recycle programs.

Sustainability is profitable. Our cleaner environment helps us control quality on the assembly line and build better products. It reduces our energy demand and our output to landfills creating a better environment for all.

We can similarly help your business with machines that lead the industry in balancing fuel use with productivity demands. Each generation of Cat product is more emissions friendly than the last, helping reduce the carbon footprint of your fleet. We can also offer people and technologies that train your operators to be more efficient and protect the environment at service time. Technologies like Cat Product Link let your Cat dealer know what machines are coming due for service and what parts are required. This allows your dealer to optimize the mileage and fuel use of their service fleet – while providing you with more efficient and timely service.

We welcome the opportunity to support your business and its sustainable growth.

**Cat Reman**

Cat Reman offers customers a high quality, low cost choice in replacement parts. Parts in good condition but at the end of their service life are reconditioned to like-new quality by Caterpillar. Cat Reman products have the same warranty as new parts, and offer the benefit of limiting waste and consumption of raw materials.
## Engine

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Model</td>
<td>Cat® C15 ACERT™</td>
</tr>
<tr>
<td>Gross Power</td>
<td>299 kW 401 hp</td>
</tr>
<tr>
<td>Flywheel Power</td>
<td>264 kW 354 hp</td>
</tr>
<tr>
<td>Torque RISE</td>
<td>19%</td>
</tr>
<tr>
<td>Bore</td>
<td>137 mm 5.4 in</td>
</tr>
<tr>
<td>Stroke</td>
<td>171 mm 6.7 in</td>
</tr>
<tr>
<td>Displacement</td>
<td>15.2 L 927.56 in³</td>
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</tbody>
</table>

## Axles

<table>
<thead>
<tr>
<th>Type</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front</td>
<td>Planetary – Fixed</td>
</tr>
<tr>
<td>Oscillating Rear</td>
<td>±5°</td>
</tr>
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</table>

## Brakes

<table>
<thead>
<tr>
<th>Standards</th>
<th>Description</th>
</tr>
</thead>
</table>

## Transmission

<table>
<thead>
<tr>
<th>Mode</th>
<th>Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forward 1</td>
<td>5.8 kph 3.6 mph</td>
</tr>
<tr>
<td>Forward 2</td>
<td>9.7 kph 6.03 mph</td>
</tr>
<tr>
<td>Reverse 1</td>
<td>6.6 kph 4.1 mph</td>
</tr>
<tr>
<td>Reverse 2</td>
<td>10.6 kph 6.59 mph</td>
</tr>
</tbody>
</table>

## Hydraulic System

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vane Pump Output</td>
<td>93 L/min 93 gal/min @ 2,000 rpm and 6900 kPa (1,001 psi)</td>
</tr>
<tr>
<td>Relief Valve Setting</td>
<td>24 175 kPa 3,506.29 psi</td>
</tr>
<tr>
<td>Lift Cylinder Bore × Stroke</td>
<td>120.65 mm 4.74 in × 915 mm × 36.02 in</td>
</tr>
</tbody>
</table>

## Hydraulic Steering System

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piston Pump Output</td>
<td>186 L/min 49 gal/min @ 2,000 rpm and 7000 kPa (1,015 psi)</td>
</tr>
<tr>
<td>Relief Valve Setting</td>
<td>24 125 kPa 3,499 psi</td>
</tr>
<tr>
<td>Steering Cylinder Bore × Stroke</td>
<td>114.3 mm 4.49 in × 576 mm × 22.68 in</td>
</tr>
<tr>
<td>Steering Angle</td>
<td>±42°</td>
</tr>
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</table>

## U-Blade

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>16.7 m³ 21.84 yd³</td>
</tr>
<tr>
<td>Height</td>
<td>2075 mm 6.81 ft</td>
</tr>
<tr>
<td>Width Over End Bits</td>
<td>4398 mm 14.43 ft</td>
</tr>
<tr>
<td>Moldboard Straight Length</td>
<td>2075 mm 6.81 ft</td>
</tr>
<tr>
<td>Moldboard U-Length</td>
<td>1248 mm 4.09 ft</td>
</tr>
<tr>
<td>Moldboard U-Angle</td>
<td>25°</td>
</tr>
</tbody>
</table>

## Semi U-Blade

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>14.5 m³ 18.97 yd³</td>
</tr>
<tr>
<td>Height</td>
<td>1960 mm 6.43 ft</td>
</tr>
<tr>
<td>Width Over End Bits</td>
<td>4490 mm 14.73 ft</td>
</tr>
<tr>
<td>Moldboard Straight Length</td>
<td>3634 mm 11.92 ft</td>
</tr>
<tr>
<td>Moldboard Semi U-Length</td>
<td>461 mm 1.51 ft</td>
</tr>
<tr>
<td>Moldboard Semi U-Angle</td>
<td>25°</td>
</tr>
</tbody>
</table>

## Service Refill Capacities

<table>
<thead>
<tr>
<th>Component</th>
<th>Capacity</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Tank</td>
<td>672 L</td>
<td>177.52 gal</td>
</tr>
<tr>
<td>Cooling System</td>
<td>82 L</td>
<td>21.66 gal</td>
</tr>
<tr>
<td>Crankcase</td>
<td>34 L</td>
<td>8.98 gal</td>
</tr>
<tr>
<td>Transmission</td>
<td>62 L</td>
<td>16.38 gal</td>
</tr>
<tr>
<td>Differentials and Final Drives – Front</td>
<td>90 L</td>
<td>23.78 gal</td>
</tr>
<tr>
<td>Differentials and Final Drives – Rear</td>
<td>90 L</td>
<td>23.78 gal</td>
</tr>
<tr>
<td>Hydraulic Tank</td>
<td>88 L</td>
<td>23.25 gal</td>
</tr>
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</table>

## Weights

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Weight</td>
<td>36 967 kg 81,498 lb</td>
<td></td>
</tr>
</tbody>
</table>
Cab Sound Performance Dimensions

**Cab**

- ROPS/FOPS Meets SAE and ISO standards
  - Cat cab and Roll Over Protective Structure/Falling Object Protective Structure (ROPS/FOPS) are standard in North America, Europe and Japan.
  - FOPS meets SAE J231 JAN81 and ISO 3449:1992 Level II.
  - Standard air conditioning system contains environmentally-friendly R134a refrigerant.

**Sound Performance**

- **Standards**
  - Meet ANSI/SAE and ISO standards
- • The operator sound exposure Leq (equivalent sound pressure level) measured according to the work cycle procedures specified in ANSI/SAE J1166 OCT98 is 80 dB(A), for cab offered by Caterpillar, when properly installed and maintained and tested with the doors and windows closed.
- • Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in noisy environment.
- • The exterior sound pressure level for the standard machine measured at a distance of 15 m (49.2 ft) according to the test procedures specified in SAE J88 JUN86, mid-gear-moving operation, is 81 dB(A).
- • The sound power level for the following configurations when measured according to the static test procedure and conditions specified in ISO 6393:1998 are:
  - Standard machine 113 dB(A)
  - Optional sound suppressed 111 dB(A)

**Dimensions**

- Center Line of Rear Axle to Hitch 2275 mm 7.46 ft
- Width over Wheels 3800 mm 12.5 ft
- Width over Endbits (Blade) 4502 mm 14.77 ft
- Turning Radius – Inside 3221 mm 10.57 ft
- Turning Radius – Outside 7333 mm 24.06 ft
## Dimensions

All dimensions are approximate.

### Table

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Value (mm)</th>
<th>Value (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Height to Top of Cab with A/C</td>
<td>4193</td>
<td>13.76</td>
</tr>
<tr>
<td>2</td>
<td>Height to Top of Exhaust Pipe</td>
<td>3733</td>
<td>12.25</td>
</tr>
<tr>
<td>3</td>
<td>Height to Top of Hood</td>
<td>2778</td>
<td>9.11</td>
</tr>
<tr>
<td>4</td>
<td>Ground Clearance to Counterweight</td>
<td>1027</td>
<td>3.37</td>
</tr>
<tr>
<td>5</td>
<td>Height to Bottom of Ladder</td>
<td>708</td>
<td>2.32</td>
</tr>
<tr>
<td>6</td>
<td>Center Line of Rear Axle to Edge of Counterweight</td>
<td>2687</td>
<td>8.82</td>
</tr>
<tr>
<td>7</td>
<td>Center Line of Rear Axle to Hitch</td>
<td>1850</td>
<td>6.06</td>
</tr>
<tr>
<td>8</td>
<td>Wheelbase</td>
<td>3700</td>
<td>12.13</td>
</tr>
<tr>
<td>9</td>
<td>Length with Blade on Ground</td>
<td>8332</td>
<td>27.33</td>
</tr>
<tr>
<td>10</td>
<td>Ground Clearance</td>
<td>488</td>
<td>1.6</td>
</tr>
</tbody>
</table>
Standard equipment may vary. Consult your Cat dealer for details.

Electrical
- Alarm, back-up
- Alternator (95-amp)
- Batteries, maintenance-free (4, 1,000 CCA)
- Diagnostic connector
- Electrical system (24-volt)
- Lighting system, halogen (front and rear)
- Lockable master disconnect switch
- Starter, electric (heavy-duty)
- Starting receptacle for emergency starts

Guards
- Axle guards (front and rear)
- Guards, powered (crankcase and power train)

Operator Environment
- Air conditioner, roof mounted
- Blade control lock system
- Cab, pressurized and sound suppressed
  - Internal four-post Roll Over Protective Structure (ROPS/FOPS), radio ready (communication/entertainment)
    - includes antenna, speakers, and converter (12-volt, 15-amp), 12-volt power port, tinted glass, right/left hinged doors
- Cigar lighter (12-volt, 15-amp) and ashtray
- Coat hook
- Command control steering
- Electro-hydraulic blade controls
- Gear selection display
- Heater and defroster
- Horn, electric
- Hour meter display
- Hydraulic steering
- Light, dome (two in cab)
- Lunchbox and beverage holders
- Mirrors, rearview (externally mounted)

Monitoring system
- Instrumentation, gauges:
  - Engine coolant temperature
  - Fuel level
  - Hydraulic oil temperature
  - Speedometer/tachometer
  - Torque converter oil temperature
- Instrumentation, warning indicators:
  - Air inlet temperature
  - Brake oil pressure
  - Electrical system, low voltage
  - Engine oil pressure
  - Engine overspeed
  - Fuel filter status
  - Parking brake status
  - Steering oil pressure
  - Transmission filter status
- Seat (cloth) Comfort Series, suspension
- Seatbelt, retractable, 76 mm (3 in) wide
- Wet-arm wipers/washer (front and rear)
- Intermittent front wiper

Power Train
- Brakes, fully hydraulic, enclosed, wet multiple disc
- Cat axles (outboard final drives and No-SPIN differentials [rear] standard)
- Engine, Cat® C15 with ACERT™ Technology, ATAAC, ADEM™-IV controller
- Fan, radiator, hydraulically-driven (automatically reversible)
- Fuel priming aid
- Heat shield, turbo and exhaust manifold
- Muffler, sound-suppressed
- Precleaner, engine air intake
- Radiator, Next Generation Modular (NGMR) – six fins per inch cores

Separated cooling system
- Starting aid (ether)
- Switch, transmission neutralizer lockout
- Throttle lock
- Torque converter
- Transmission, planetary with 2F/2R electronic clutch pressure control

Other Standard Equipment
- Automatic Blade Positioning (ABP)
- Bumper, extended full width for radiator protection
- Cat O-ring face seals, couplings and XT™ hoses
- Coolers
  - Engine oil
  - Hydraulic oil
  - Transmission oil
- Doors, service access (locking)
- Grouped Electronic Clutch Pressure
  - Control remote mounted pressure taps
- Hitch, drawbar with pin
- Hood, metallic with lockable service doors
- Oil sampling valves
- Rear egress, left and right sides
- Striker bars, full coverage
- Wheels, 1219 mm (48 in) with long-life, weld-on Plus Stepped Tips with rim extensions

Bulldozers
- Bulldozer blade, hydraulics and linkage are not included in standard equipment

Antifreeze
- Premixed with 50 percent concentration of Extended Life Coolant with freeze protection to –34° C (–29° F)
Optional equipment may vary. Consult your Cat dealer for details.

<table>
<thead>
<tr>
<th>Optional Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM/FM/WB (Weather Band) cassette</td>
</tr>
<tr>
<td>CD radio</td>
</tr>
<tr>
<td>Blades</td>
</tr>
<tr>
<td>Straight blade</td>
</tr>
<tr>
<td>Semi U-blade</td>
</tr>
<tr>
<td>U-blade</td>
</tr>
<tr>
<td>Cat® Product Link</td>
</tr>
<tr>
<td>Cleaner fingers for Plus Tip wheels</td>
</tr>
<tr>
<td>Computer Aided Earthmoving System (CAES) attachment ready option (ARO)</td>
</tr>
<tr>
<td>Differentials, No-SPIN, front</td>
</tr>
<tr>
<td>Fast fill system</td>
</tr>
<tr>
<td>Fuel</td>
</tr>
<tr>
<td>Oil</td>
</tr>
<tr>
<td>Front window guard</td>
</tr>
<tr>
<td>Heater, engine coolant</td>
</tr>
<tr>
<td>Mirrors, interior mounted</td>
</tr>
<tr>
<td>Rear fan and grill guard</td>
</tr>
<tr>
<td>Rubber mounted glass cab</td>
</tr>
<tr>
<td>Sound suppression</td>
</tr>
<tr>
<td>STIC Steering</td>
</tr>
<tr>
<td>Swing-out stairways</td>
</tr>
<tr>
<td>Turbine precleaner</td>
</tr>
<tr>
<td>Warning rotating beacon light</td>
</tr>
<tr>
<td>Warning strobe light</td>
</tr>
<tr>
<td>Wheels (four combined)</td>
</tr>
<tr>
<td>Various wheels, see Price List</td>
</tr>
</tbody>
</table>