AD30
Underground Mining Truck

**Engine**

<table>
<thead>
<tr>
<th>Engine Model</th>
<th>Cat® C15 ACERT™</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross Power – SAE J1995</td>
<td>304 kW 408 hp</td>
</tr>
<tr>
<td>Net Power – SAE J1349</td>
<td>281 kW 377 hp</td>
</tr>
</tbody>
</table>

**Operating Specifications**

<table>
<thead>
<tr>
<th>Nominal Payload Capacity</th>
<th>30 000 kg 66,139 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross Machine Operating Weight</td>
<td>60 000 kg 132,300 lb</td>
</tr>
</tbody>
</table>
AD30 Features

One Supplier
Caterpillar designed and manufactured major power and drive train components for reliability and performance.

High Performance Engine
The Cat® C15 engine with ACERT Technology offers the perfect balance between power, robust design and economy.

Power Shift Transmission
Reliable and rugged design is matched to C15 engine to deliver power and efficiency for peak power train performance.

Engine/Power Train Integration
Intelligent and robust electronics integrate all power and drive train components for overall optimum performance.

Robust Braking
Cat oil-cooled multiple disc brakes offer exceptional, fade resistant braking in all haul road conditions.

Comfortable Cab
Ergonomically designed for all-day comfort, control and productivity.

Truck Body
A variety of Caterpillar designed and built bodies and liners ensure optimal performance and reliability in tough mining applications.

Enhanced Serviceability
Designed with improved serviceability points and grouped service locations so more time is spent on the haul roads.

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The AD30 underground articulated truck is designed for high production, low cost-per-ton hauling in smaller underground mining applications. Rugged construction and easy maintenance guarantee long life with low operating costs.

Engineered for performance, designed for comfort, built to last.
Power Train – Engine
The Cat C15 Engine is built for power, reliability and efficiency.

ACERT™ Technology
The Cat C15 is US EPA Tier 3 and EU Stage III compliant. It features efficient fuel management for quick response, high productivity and exceptional service life. A new, sculptured cylinder block provides greater strength and lighter weight.

High Torque Rise
The 58% torque rise provides unequalled lugging force during acceleration and less down-shifting on grade. Torque rise effectively matches transmission shift points for maximum efficiency and fast cycle times.

Turbocharged and ATAAC
Air-to-Air aftercooling provides improved fuel economy by packing cooler, denser air into cylinders for more complete combustion of fuel and lower emissions.

Mechanically Actuated, Electronic Unit Injection (MEUI)
Proven high-pressure, direct injection fuel system electronically monitors operator demands and sensor inputs to optimize engine performance.

ADEM™ IV System
Controls the fuel injector solenoids to monitor fuel injection. This system provides automatic altitude compensation, air filter restriction indication and it will not allow the engine to fire until it has oil pressure, acting as cold start protection and a form of pre-lube.

Design Construction
Caterpillar designed one-piece cast iron block provides maximum strength and durability. Two-piece articulated pistons with forged steel crowns are designed to withstand higher cylinder pressure.
Power Train – Transmission
More power to the ground for greater productivity.

Mechanical Power Train
The Cat mechanical drive power train and power shift transmission provide unmatched operating efficiency and control on steep grades, in poor underfoot conditions, and on haul roads and drives with high rolling resistance.

Transmission
The Cat four-speed planetary power shift transmission is matched with the C15 engine to deliver constant power over a wide range of operating speeds.

Robust Design
Designed for rugged underground mining conditions, the proven planetary power shift transmission is built for long life between overhauls.

Lock Up Torque Converter
Combines maximum rimpull and cushioned shifting of torque converter drive with the efficiency and performance of direct drive. When engaged, lock-up provides superior power train efficiency by delivering more power to the wheels.

Lock-Up Clutch
Quickly releases and re-engages to reduce power train torque loads for smoother shifting, long life and a more comfortable ride.

Smooth Shifting
Individual clutch modulation provides smooth clutch engagements to optimize performance and extend clutch life.

Final Drives
Cat final drives work as a system with the planetary power shift transmission to deliver maximum power to the ground. Built to withstand the forces of high torque and impact loads, final drives provide high torque multiplication to further reduce drive train stress.

Full Floating Axles
Full floating axles relieve internal stresses and increase durability. Rolled splines also provide increased service life.
Engine/Power Train Integration
Intelligent electronics for overall optimal performance.

Cat Data Link
Electronically integrates machine computer systems to optimize overall power train performance, increase reliability and component life, and reduce operating costs.

- **Controlled Throttle Shifting**
  Regulates engine RPM, torque converter lock-up and transmission clutch engagement for smoother shifts and longer component life.

- **Economy Shift Mode**
  Decreases fuel consumption, lowers noise levels and potentially longer engine life.

- **Directional Shift Management**
  Regulates engine speed to prevent damage caused by high speed directional changes.

- **Body-up Shift Inhibitor**
  Prevents the transmission from shifting above a pre-programmed gear without the body fully lowered.

**Electronic Technician (Cat ET)**
Cat ET service tool provides service technicians with easy access to stored diagnostic data through Cat Data Link to simplify problem diagnosis and increase availability.

**Overspeed Protection**
The transmission control electronically senses engine conditions and automatically up-shifts to prevent overspeeding.
**Cat Brake System**

Superior control for operator confidence.

**Integrated Braking System**
The Cat oil-cooled braking system delivers reliable performance and control in the most extreme underground mining conditions. The integrated system combines the service, secondary, parking brake and retarding functions in the same robust system for optimum braking efficiency.

**Oil-Cooled Multiple Disc Brakes**
Four-wheel, forced oil-cooled, multiple disc service brakes are continuously cooled by a water-to-oil heat exchangers for exceptional, non-fade braking and retarding performance.

**Brake Design**
With large discs and plates for reliable, adjustment-free operation and performance. Cat oil-cooled disc brakes are completely enclosed to prevent contamination and reduce maintenance.

**Long Life**
An oil film prevents direct contact between the discs. This design absorbs the braking forces by shearing the oil molecules and carrying heat away to extend brake life.

**Automatic Retarder Control (ARC)**
Electronically controls retarding on grade to maintain optimum engine RPM and oil cooling. Additional braking may be applied using the manual retarder or the brake pedal.

**Faster Speeds**
ARC allows the operator to maintain optimum engine speeds for faster downhill hauls and greater productivity.

**Superior Control**
Automatic brake modulation offers a smoother ride and greater control, allowing the operator to concentrate on driving.

**Ease of Operation**
ARC increases operating ease, resulting in greater operator confidence with less fatigue.

**Engine Overspeed Protection**
ARC automatically activates when engine speed exceeds factory preset levels, reducing potentially damaging engine overspeeds.

**Fuel Efficiency**
The engine provides additional retarding by running against compression on downhill hauls. The engine ECM reduces fuel injection for exceptional fuel economy.
Operator Comfort
Ergonomically designed for all-day comfort, control and productivity.

The AD30 operator station is ergonomically designed for total machine control in a comfortable, productive and safe environment. All controls, levers switches and gauges are positioned to maximize productivity and minimize operator fatigue.

Protective Structure
Integral to the cab and frame, both the Rollover Protective Structure (ROPS) and Falling Objects Protective Structure (FOPS) are resiliently mounted to the mainframe to isolate the operator from vibration for a more comfortable ride.

Optional Enclosed Cab
Optional sound-suppressed ROPS cab provides a quiet, secure and comfortable air-conditioned working environment with fresh, pressurized, temperature-controlled air circulation.

Suspension Seat
Ergonomic, fully adjustable suspension seat provides optimal operator comfort. Thick cushions reduce pressure on lower back and thighs. Wide, retractable seat belts provide a secure, comfortable restraint.

Steering Column
Comfort wheel with tilt steering provides a comfortable driving position, secure grip and greater control.

Monitoring System
Cat Electronic Monitoring System (Cat EMS) continuously provides critical machine data to keep the machine performing at top production levels. Displays are backlit for easy viewing.
Truck Body Systems
Rugged performance and reliability in tough underground mining applications.

Cat Truck Bodies
Caterpillar offers two specific body styles for the most efficient hauling solutions at the lowest cost-per-ton.

- Dump Body
- Ejector Body

The ejector body can now be easily removed and a dump body fitted for greater machine versatility.

Body Selection
Selection of the right body depends on material, haul road, and dump conditions. The better the match of body to application, the greater the efficiency. Your Cat dealer can help you select the right body system for your site specific application.

Body Design
Cat truck bodies are designed for optimal strength, capacity and durability. With improved design and the use of Hardox steel, longer service life and lower cost per ton figures are now evident.

Body/Chassis Integration
Cat truck bodies are designed and matched with the integrated chassis system for optimum structural reliability, durability and long life.

Load Carrying Capacity
Large target area provides high load carrying capacity. Its diverging flow design gives clean load ejection, which maximizes production and avoids waste of material carryback.

Truck Payload Management System (TPMS)
The optional TPMS system calculates the payload the truck is carrying and determines truck cycle times.

Fast Hoist Cycle Times
Single-stage hoist cylinders provide fast dump cycle times of 10.5 seconds for raise and 11.2 seconds for lower.

Ejector Body
The ejector body offers clean load ejection and the capability to work in areas with restricted overhead clearance and soft underfoot conditions.
Structures
Rugged Cat structures – the backbone of the AD30’s durability.

Frame Design
The frame incorporates a box-section design with wide and stiff frame beams to handle torque loads. The frame design decreases stress in the hitch area and optimizes suspension geometry. Materials and weld joints are matched to optimize the life of the structure.

Articulating/Oscillating Hitch
The articulating hitch provides the truck with steering articulation and the oscillation ensures the truck maintains all wheel ground contact in rough terrain. Hardened steel pins, taper roller bearings and oscillating stops allows the rear frame to move independently from the front frame.

Serviceability
More time for production

Service Access
Easy access to daily service points simplifies servicing and reduces time spent on regular maintenance procedures.

Ground-Level Access
Allows convenient servicing to tanks, filters, lubrication points and compartment drains.

Diagnostics
Electronic control system enables quick diagnosis of engine conditions and effective maintenance and repairs utilizing the Cat Electronic Technician (Cat ET) Service Tool.

Air Filters
Radial seal air filters are easy to change, reducing time required for air filter maintenance.

Sight Gauges
Makes fluid level checks quick and easy. These include the hydraulic, transmission and coolant reservoirs.

Sealed Electrical Connectors
Electrical connectors are sealed to lock out dust and moisture. Harnesses are covered for protection. Wires are color and number coded for easy diagnosis and repair.

Scheduled Oil Sampling
S•O•S® helps avoid minor repairs becoming major ones.
Cat dealers offer solutions, services and products that help lower costs, enhance productivity and manage your operation efficiently. From the selection of Cat equipment until the day you rebuild, trade or sell it, the support you get from your Cat dealer makes the difference that counts.

**Dealer Capability**
Cat dealers will provide the level of support you need, on a global scale. Dealer expert technicians have the knowledge, experience, training and tooling to handle your repair and maintenance needs, when and where you need them.

**Product Support**
When Cat products reach the field, they are supported 24/7 by a worldwide network of reliable and prompt parts distribution facilities, dealer service centers, and technical training facilities to keep your equipment up and running.

**Service Support**
Cat equipment is designed and built to provide maximum productivity and operating economy throughout its working life. Cat dealers offer a wide range of service plans that will maximize return on your investment, including:

- Preventive Maintenance Programs
- Diagnostic Programs, such as Scheduled Oil Sampling and Technical Analysis
- Rebuild and Reman Options
- Customer Support Agreements

**Technology Products**
Cat dealers offer a range of advanced technology products designed to improve efficiency, productivity and lower costs.

**Operator Training**
Today’s complex products require operators have a thorough understanding of machine systems and operating techniques to maximize efficiency and profitability. Your Cat dealer can arrange training to improve productivity, decrease downtime, reduce operating costs, enhance safety, and improve the return on investment.

**Application Awareness**
Application and site-specific factors, such as: material density, loading position, grades, speeds, and haul road design influence operating and maintenance costs. Your Cat dealer can provide you with the understanding to optimize productivity and the total cost of ownership.

**www.cat.com**
For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com.
Safety
Designed with safety as the first priority.

Product Safety
Caterpillar continues to be proactive in developing mining machines that meet or exceed safety standards. Safety is an integral part of all machine and systems designs.

Engine Shutoff Switch
A secondary engine shutoff switch is located at ground level.

 Integral ROPS Cab
The ROPS is resiliently mounted to the frame to isolate the operator from vibration for a more comfortable ride.

Brake Systems
Four corner oil-cooled multiple disc braking system provides excellent control. The service brakes and retarding system are hydraulically actuated and modulated, while the parking brake function is spring applied and fluid released. This system assures braking in the event of loss of hydraulic pressure.

Operator Present System
Automatically engages parking brake, neutralizes steering, implement and transmission control, and shuts down the engine in the event operator fails to apply the park brake prior to exiting the cab.

Standard Safety Features
Anti-Skid upper deck surfaces, upper deck handrails, 3-point cabin and machine access, push out safety glass, steering frame lock, rear window guard, body retaining pins, automatic retarder control, exhaust heat shielding and firewall, hitch hydraulic hoses – burst protection sleeves, tailgate retaining pins (ejector body), hot and cold side of engine.

SAFETY.CAT.COM™
### AD30 Underground Articulated Truck Specifications

#### Engine

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<tr>
<th>Engine Model</th>
<th>Cat® C15 ACERT™</th>
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<td>281 kW 377 hp</td>
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<tr>
<td>Net Power – ISO 9249</td>
<td>281 kW 377 hp</td>
</tr>
<tr>
<td>80/1269/EEC</td>
<td></td>
</tr>
<tr>
<td>Bore</td>
<td>137.2 mm 5.4 in</td>
</tr>
<tr>
<td>Stroke</td>
<td>171.5 mm 6.8 in</td>
</tr>
<tr>
<td>Displacement</td>
<td>15.2 L 928 in³</td>
</tr>
</tbody>
</table>

- Power ratings apply at a rated speed of 1,800 rpm when tested under the reference conditions for the specified standard.
- Ratings based on SAE J1995 standard air conditions of 25°C (77°F) and 100 kPa (29.61 Hg) barometer. Power based on fuel having API gravity of 35 at 16°C (60°F) and an LHV of 42,780 kJ/kg (18,390 BTU/lb) when engine used at 30°C (86°F).
- Engine derate will commence at an altitude of 2743 m (8,999 ft).
- Compliant with U.S. Environmental Protection Agency Tier 3 emissions standards.

#### Operating Specifications

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<tr>
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<td>60 000 kg 132,300 lb</td>
</tr>
</tbody>
</table>

#### Weights

<table>
<thead>
<tr>
<th>Empty</th>
<th>28 870 kg 63,647 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front Axle</td>
<td>19 479 kg 42,944 lb</td>
</tr>
<tr>
<td>Rear Axle</td>
<td>9391 kg 20,704 lb</td>
</tr>
<tr>
<td>Loaded</td>
<td>60 000 kg 132,277 lb</td>
</tr>
<tr>
<td>Front Axle</td>
<td>26 513 kg 58,451 lb</td>
</tr>
<tr>
<td>Rear Axle</td>
<td>33 487 kg 73,826 lb</td>
</tr>
</tbody>
</table>

#### Weight Distribution

<table>
<thead>
<tr>
<th>Axle</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front Axle</td>
<td>67.5%</td>
</tr>
<tr>
<td>Rear Axle</td>
<td>32.5%</td>
</tr>
<tr>
<td>Front Axle</td>
<td>44.2%</td>
</tr>
<tr>
<td>Rear Axle</td>
<td>55.8%</td>
</tr>
</tbody>
</table>

#### Transmission

<table>
<thead>
<tr>
<th>Mode</th>
<th>Speed</th>
<th>MPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forward 1</td>
<td>6.8 km/h</td>
<td>4.2</td>
</tr>
<tr>
<td>Forward 2</td>
<td>12.3 km/h</td>
<td>7.6</td>
</tr>
<tr>
<td>Forward 3</td>
<td>22.3 km/h</td>
<td>13.9</td>
</tr>
<tr>
<td>Forward 4</td>
<td>40.8 km/h</td>
<td>25.4</td>
</tr>
<tr>
<td>Reverse 1</td>
<td>7.8 km/h</td>
<td>4.8</td>
</tr>
</tbody>
</table>

- Maximum travel speeds with standard 26.5 × R25 tires.

#### Final Drives

<table>
<thead>
<tr>
<th>Differential Ratio</th>
<th>3.38:1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Final Drive Ratio</td>
<td>4.76:1</td>
</tr>
<tr>
<td>Total Reduction Ratio</td>
<td>16.13:1</td>
</tr>
</tbody>
</table>

- Fully floating axles.

#### Turning Dimensions

| Outside Clearance | 8571 mm 337.4 in |
| Inner Clearance   | 5030 mm 198 in   |
| Articulation Angle| 10 Degrees       |

#### Service Refill Capacities

<table>
<thead>
<tr>
<th>Component</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Crankcase with Filter</td>
<td>34 L 9 gal</td>
</tr>
<tr>
<td>Transmission</td>
<td>67 L 18 gal</td>
</tr>
<tr>
<td>Hydraulic Tank</td>
<td>330 L 87 gal</td>
</tr>
<tr>
<td>Cooling System</td>
<td>74 L 20 gal</td>
</tr>
<tr>
<td>Front Differentials and Final Drives</td>
<td>56 L 15 gal</td>
</tr>
<tr>
<td>Rear Differentials and Final Drives</td>
<td>56 L 15 gal</td>
</tr>
<tr>
<td>Fuel Tank</td>
<td>500 L 132 gal</td>
</tr>
</tbody>
</table>

#### Tires

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>26.5 × R25 MS VSNT E4</th>
</tr>
</thead>
</table>

#### Body Capacities

<table>
<thead>
<tr>
<th>Body</th>
<th>Volume m³</th>
<th>Yards³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body 1</td>
<td>17.5</td>
<td>22.9</td>
</tr>
<tr>
<td>Body 2</td>
<td>11.3</td>
<td>14.8</td>
</tr>
<tr>
<td>Body 3</td>
<td>14.4</td>
<td>18.8</td>
</tr>
<tr>
<td>Wide Body</td>
<td>16.8</td>
<td>21.9</td>
</tr>
<tr>
<td>Ejector Body</td>
<td>15.2</td>
<td>19.9</td>
</tr>
<tr>
<td>Ejector Body</td>
<td>17.3</td>
<td>22.6</td>
</tr>
</tbody>
</table>

- Heaped SAE 2:1.

#### Body Hoist

<table>
<thead>
<tr>
<th>Mode</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raise</td>
<td>10.5 Seconds</td>
</tr>
<tr>
<td>Lower</td>
<td>11.2 Seconds</td>
</tr>
<tr>
<td>Total Cycle Time</td>
<td>21.7 Seconds</td>
</tr>
</tbody>
</table>

#### ROPS Standards

- ROPS (Roll Over Protection Structure) for cab offered by Caterpillar meets ISO 3471, SAE J1040, AS2294.2, EN13510 ROPS Criteria.
- FOPS (Falling Objects Protection Structure) meets ISO 3449, SAE J231, AS2294.3, EN13627 FOPS Criteria.
### Dimensions

All dimensions are approximate.

<table>
<thead>
<tr>
<th>Body Capacity</th>
<th>266-1996</th>
<th>266-2003</th>
<th>266-1999</th>
<th>379-9887 (Wide Body)</th>
<th>351-1325 (Ejector)</th>
<th>380-0093 (Ejector)</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>in</td>
<td>mm</td>
<td>in</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>Overall Height – Body Empty</td>
<td>2600</td>
<td>102.4</td>
<td>2600</td>
<td>102.4</td>
<td>2722</td>
<td>107.2</td>
</tr>
<tr>
<td>Height to Top of ROPS</td>
<td>2600</td>
<td>102.4</td>
<td>2600</td>
<td>102.4</td>
<td>2600</td>
<td>102.4</td>
</tr>
<tr>
<td>Front Axle to Front Bumper</td>
<td>3345</td>
<td>131.7</td>
<td>3345</td>
<td>131.7</td>
<td>3345</td>
<td>131.7</td>
</tr>
<tr>
<td>Overall Height – Body Raised</td>
<td>1800</td>
<td>70.9</td>
<td>1800</td>
<td>70.9</td>
<td>1800</td>
<td>70.9</td>
</tr>
<tr>
<td>Overall Length</td>
<td>10118</td>
<td>398.3</td>
<td>10153</td>
<td>399.7</td>
<td>10160</td>
<td>400.0</td>
</tr>
<tr>
<td>Maximum Overall Length</td>
<td>10697</td>
<td>421.1</td>
<td>10743</td>
<td>423.0</td>
<td>10830</td>
<td>426.4</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>5200</td>
<td>204.7</td>
<td>5200</td>
<td>204.7</td>
<td>5200</td>
<td>204.7</td>
</tr>
<tr>
<td>Ground Clearance</td>
<td>400</td>
<td>15.7</td>
<td>400</td>
<td>15.7</td>
<td>400</td>
<td>15.7</td>
</tr>
<tr>
<td>Rear Axle to Tail</td>
<td>1573</td>
<td>61.9</td>
<td>1608</td>
<td>63.3</td>
<td>1615</td>
<td>63.6</td>
</tr>
<tr>
<td>Rear Wheel to Body Raised</td>
<td>1075</td>
<td>42.3</td>
<td>1061</td>
<td>41.8</td>
<td>1058</td>
<td>41.7</td>
</tr>
<tr>
<td>Dump Clearance**</td>
<td>594</td>
<td>23.4</td>
<td>558</td>
<td>22.0</td>
<td>547</td>
<td>21.5</td>
</tr>
<tr>
<td>Overall Height – Body Raised</td>
<td>2285</td>
<td>90.0</td>
<td>2385</td>
<td>93.9</td>
<td>2560</td>
<td>100.8</td>
</tr>
<tr>
<td>Overall Length</td>
<td>5608</td>
<td>220.8</td>
<td>5602</td>
<td>220.6</td>
<td>5838</td>
<td>229.8</td>
</tr>
<tr>
<td>Tunnel Clearance Width*</td>
<td>4000</td>
<td>157.5</td>
<td>4000</td>
<td>157.5</td>
<td>4000</td>
<td>157.5</td>
</tr>
<tr>
<td>Tunnel Clearance Height*</td>
<td>4000</td>
<td>157.5</td>
<td>4000</td>
<td>157.5</td>
<td>4000</td>
<td>157.5</td>
</tr>
<tr>
<td>Overall Tire Width</td>
<td>2650</td>
<td>104.3</td>
<td>2650</td>
<td>104.3</td>
<td>2650</td>
<td>104.3</td>
</tr>
<tr>
<td>Overall Width Including Body</td>
<td>2690</td>
<td>105.9</td>
<td>2690</td>
<td>105.9</td>
<td>2840</td>
<td>111.8</td>
</tr>
<tr>
<td>Overall Width Excluding Body</td>
<td>2690</td>
<td>105.9</td>
<td>2690</td>
<td>105.9</td>
<td>2690</td>
<td>105.9</td>
</tr>
<tr>
<td>Height to Top of Load (SAE 2:1)</td>
<td>2953</td>
<td>116.3</td>
<td>3051</td>
<td>120.1</td>
<td>3264</td>
<td>128.5</td>
</tr>
</tbody>
</table>

* Clearance dimensions are for reference only.

** Measurement taken with tailgate down for ejector body.
To determine gradeability performance: Read from gross weight down to the percent of total resistance. Total resistance equals actual percent grade plus rolling resistance as a general guide use 2% for rolling resistance in underground application or refer to the Caterpillar Performance Handbook. From the total resistance point, read horizontally to the curve with the highest obtainable gear, then down to maximum speed. Usable rimpull will depend upon traction available and weight on drive wheels.

1 – 1st Gear
2 – 2nd Gear
3 – 3rd Gear
4 – 4th Gear
E – Empty 28 870 kg (63,647 lb)
L – Loaded 60 000 kg (132,277 lb)
AD30 Standard Equipment

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

ELECTRICAL
Reversing Alarm
Reversing Lights
Headlights with Dimmer Switch
Rear Work Light (Cab Mounted)
Cat Electronic Monitoring System (Cat EMS)
Ground Level Disconnect Switch (2 Post)
Jump Start Receptacle
Brake and Tail Light
Ground Level Shutdown Switch
Corrosive Protection Spray
24V Electric Starting

OPERATOR ENVIRONMENT
Cab ROPS/FOPS Operator Station
Suspension Operator Seat with Retractable Seat Belt
Tilt/Telescopic Steering Wheel
Turn Signal Indicators
Rear View Mirrors
Trainer/Passenger Seat and Seat Belt
Operator Presence System Includes ABA
Residual Brake Pressure Warning Light

POWER TRAIN
6 Cylinder C15 ACERT ATAAC Diesel Engine
Long Life Coolant
Automatic Brake Retarder Control
All Wheel Disc Brakes (Oil Cooled)
Parking Brakes (Four Wheels)
Autoshift Transmission 4 Speed Forward/1 Speed Reverse
Torque Converter with Automatic Lockup
Control Throttle Shifting
Programmable Ground Speed Limiting
Programmable Gear Blockout with Tray Up
Engine Air Intake Precleaner
Four Wheel Drive

OTHER STANDARD EQUIPMENT
Belly Guards
26.5 × R25 VSNT Radial Tires
5 piece, Tubeless Rims (set of 4)
Front Spill Guard for Body
Front and Rear Tow Pin
Articulated and Oscillated Hitch
Exhaust Catalytic Converter/Muffler
Tray-Up Alarm
Firewall
Centralized Lubrication Points
Frame Lifting Lugs
Exhaust Covers
Dump Body (14.4 m³, 18.8 yd³)
Oil Sample Adaptors
Residual Brake Pressure Warning Light
Radiator Cap Manual Release

AD30 Optional Equipment

Optional equipment may vary. Consult your Cat dealer for details.

Air Conditioned Cab, (ROPS/FOPS)
Windshield Wiper Washer
Window, Sliding, Operator Heater, Cabin
Bodies
Body, (11.3 m³, 14.8 yd³)
Body, (17.5 m³, 22.9 yd³)
Ejector, (15.2 m³, 19.9 yd³)
Body Liners, Heavy Duty Wide Body (16.8 m³, 21.9 yd³)
Ejector (17.3 m³, 22.6 yd³)

Secondary Steering, Ground Driven Camera/Monitor, Reversing Fast Fill System Coolant Engine Fuel Hydraulic Transmission

Fire Suppression System Fire Extinguisher, Hand Held EAM, (Electronic Access Module) TPMS, (Truck Payload Measurement System) Brake Oil Pressure Gauges Service Tools Custom Products