AD30

Underground Articulated Truck

Engine		
Engine Model	Cat® C15 ACERT™	
Gross Power – SAE J1995	304 kW	408 hp
Operating Specifications		
Nominal Payload Capacity	30 000 kg	66,150 lb
Gross Machine Operating Weight	60 000 kg	132,300 lb
Body Capacities		
Dump Body – Standard	14.4 m^3	18.8 yd^3
• Heaped SAE 2:1		

AD30 Underground Articulated Truck

Engineered for performance, designed for comfort, built to last.

Power Train – Engine

The Cat® C15 engine with ACERT™ Technology delivers the power and reliability necessary to perform in the most demanding underground mining applications. Designed for efficient operation, excellent fuel efficiency, lower emissions, reduced engine noise and lower operating costs. **pg. 4**

Power Train – Transmission

The Cat four-speed planetary power shift transmission and mechanical power train is matched with the electronic unit injection C15 engine with ACERT™ Technology to provide consistent power and efficiency for peak power train performance. **pg. 5**

Engine/Power Train Integration

The Cat Data Link electronically combines engine, transmission, brake and operational information to optimize overall truck performance. Stored diagnostic data can be accessed via the Electronic Technician (Cat ET) to improve troubleshooting and reduce downtime. **pg. 6**

Structures

Cat truck frames are built to optimize torsional load displacement in high impact applications. High strength steels provide flexibility, durability and resistance to impact loads, even in cold climates. **pg. 10**

Serviceability

The AD30 is designed for quick and easy servicing. Simplified service and maintenance features reduce downtime, allowing the machine to spend less time being serviced and more time in the mine. **pg. 11**

Top Performance.
The AD30 underground articulated truck is designed for high production, low cost-per-ton hauling in smaller underground mining applications.

Reliable, Durable Operation.
Rugged construction and easy maintenance guarantee long life with low operating costs.

Caterpillar® Brake System

Cat oil-cooled, multiple disc brakes offer exceptional, fade-resistant braking and retarding for maximum performance and productivity in all conditions. Automatic Retarder Control (ARC) optimizes braking efficiency. **pg. 7**

Operator's Station

The ergonomic cab is designed for operator comfort and ease of operation allowing the operator to focus on productivity. Controls and gauges are positioned within easy reach for optimum efficiency and superior control. **pg. 8**

Truck Body Systems

Caterpillar truck bodies are designed as a system to achieve rated payload and provide the lowest cost-per-ton hauling system when matched with Cat Underground Mining Loaders a variety of Caterpillar designed and built truck bodies insure optimal performance and reliability. **pg. 9**

Customer Support

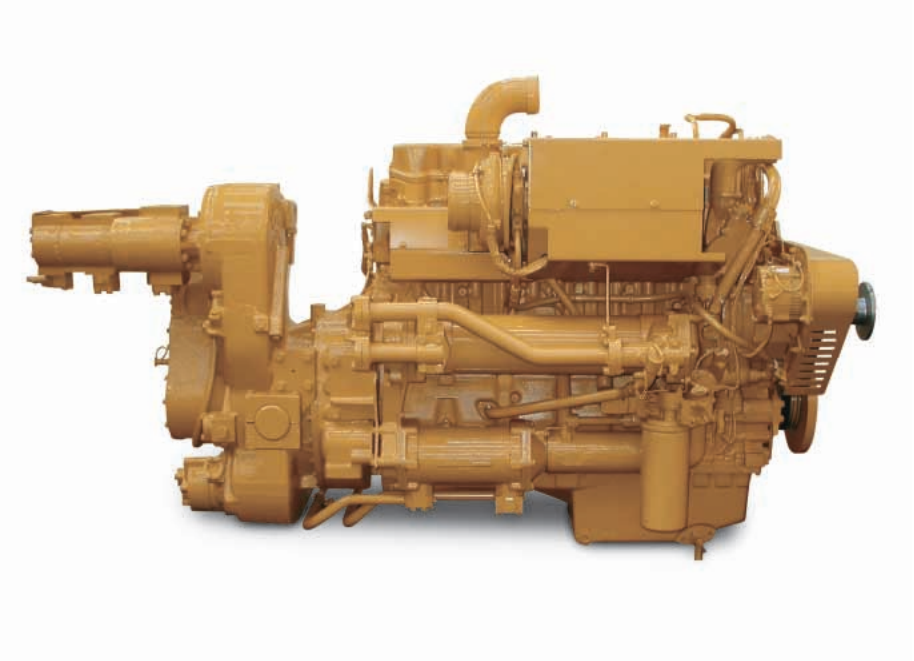
Caterpillar dealers provide unmatched product support, anywhere in the world. With industry-best parts availability and a wide range of maintenance and service options, Cat dealers have what it takes to keep your mining on the haul roads. **pg. 12**

Safety

Caterpillar mining machines and systems are designed with safety as their first priority. **pg. 13**

Power Train – Engine

The Cat® C15 engine with ACERT™ Technology delivers the power and reliability necessary to perform in the most demanding underground mining applications.



Cat C15 Engine with ACERT™ Technology. Is U.S. 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.

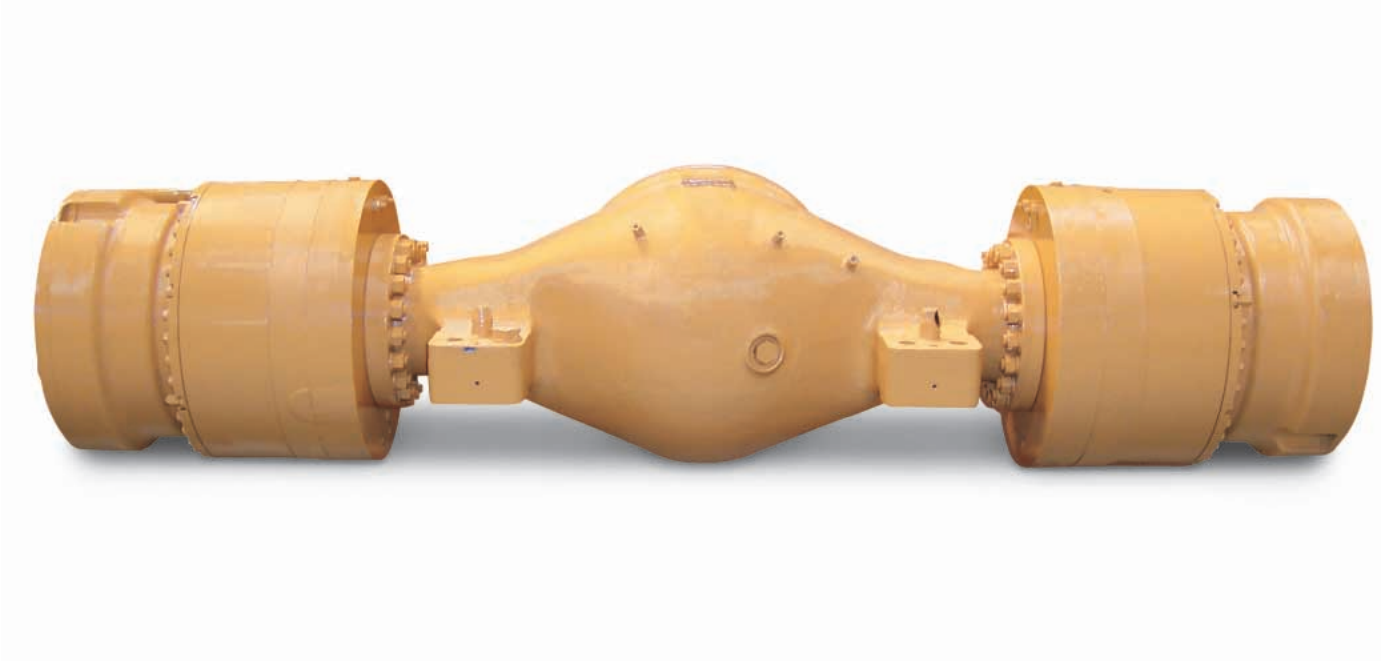
Mechanically Actuated, Electronic Unit Injection (MEUI). Proven high-pressure, direct injection fuel system electronically monitors operator demands and sensor inputs to optimize engine performance.

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

Cat power train delivers more power to the ground for greater productivity and lower operating costs.



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.

1) Transmission. The Cat four-speed planetary power shift transmission is matched with the direct-injection C15 engine with ACERT™ technology 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.

2) Lock Up Torque Convertor. 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.

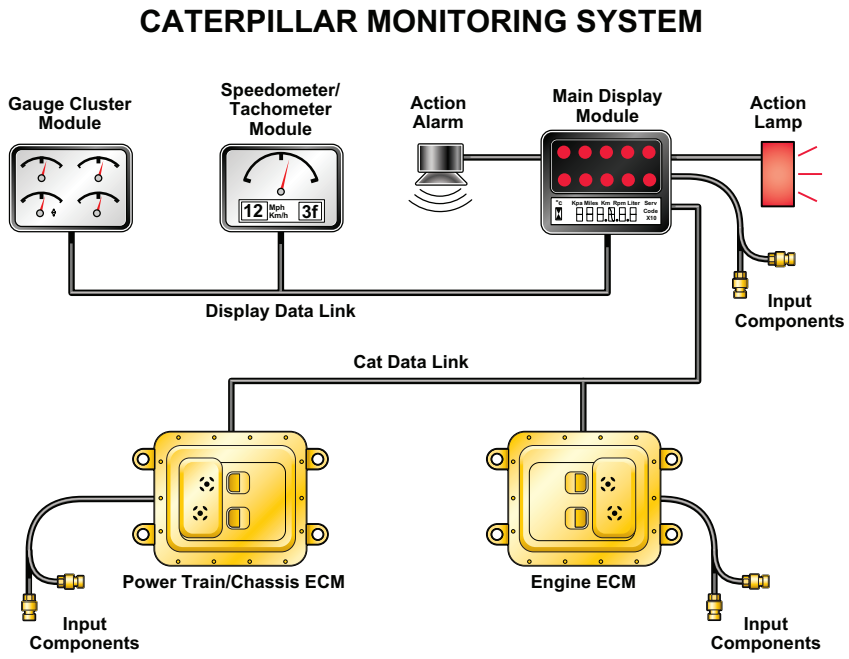
Smooth Shifting. Individual clutch modulation provides smooth clutch engagements to optimize performance and extend clutch life.

3) 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

Electronically combines critical power train components to work more intelligently and optimize overall truck 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 during shifting to reduce power train stress and clutch wear by controlling engine speed, torque converter lock-up and transmission clutch engagement for smoother shifts and longer component life.
- **Economy Shift Mode.** Reduces engine speeds, resulting in decreased fuel consumption, lower noise levels and potentially longer engine life.
- **Directional Shift Management.** Regulates engine speed during directional shifts 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.

Diagnostic Capability. Critical data from the electronic engine and transmission controls, including transmission shifting, engine speed and fuel consumption, provides service technicians with enhanced diagnostic capability to reduce downtime and operating costs.

Overspeed Protection. The transmission control electronically senses engine conditions and automatically up-shifts one gear to prevent overspeeding. If overspeeding occurs in top gear, the lock-up clutch is disengaged.

Caterpillar Brake System

Reliable braking with superior control gives the operator the confidence to focus on productivity.

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. Caterpillar 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.

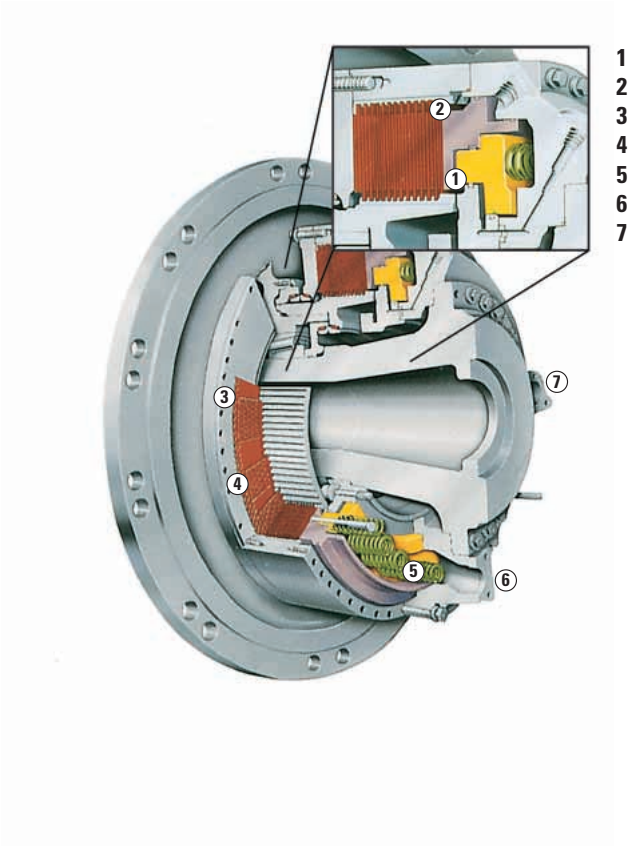
Brake Design. Cat oil-cooled disc brakes are designed with large discs and plates for reliable, adjustment-free operation and performance. Brakes are completely enclosed and sealed to prevent contamination and reduce maintenance.

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 better control in slippery conditions, allowing the operator to concentrate on driving.



1 Parking/Secondary Piston
2 Service/Retarding Piston
3 Friction Discs
4 Steel Plates
5 Actuating Springs
6 Cooling Oil In
7 Cooling Oil Out

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

Engine Overspeed Protection. Automatically activates ARC when engine speed exceeds factory preset levels, regardless of operator inputs, to avoid potentially damaging engine overspeeds.

Fuel Efficiency. The engine provides additional retarding by running against compression on downhill hauls. During retarding applications the engine ECM reduces fuel injection to minimum value for exceptional fuel economy.

Operator's Station

Ergonomically designed for operator comfort, superior control and high productivity.

Ergonomic Layout. 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 working environment. Enclosed design provides fresh, pressurized, temperature-controlled air circulation with air-conditioned comfort and a more comfortable working environment.

Suspension Seat. Ergonomically designed, fully adjustable suspension seat with adjustable armrests provide 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. Caterpillar Electronic Monitoring System (CEMS) continuously provides critical machine data to keep the machine performing at top production levels. Displays are backlit for easy viewing.

- Gauge Cluster. Maintains a constant display of vital machine functions, including: engine coolant temperature, brake oil temperature, engine oil pressure and fuel level.
- Speedometer/Tachometer Module. Maintains three systems: engine speed, ground speed and gear indicator.
- Message Center. The Caterpillar Electronic Monitoring System (CEMS) includes 4 warning categories and provides visual and audible warning system outputs to alert operators of abnormal machine health conditions.

Interlock. If the operator fails to apply the park brake prior to exiting the cab, the interlock system will detect the absence of operator input and apply the park brake, neutralize the steering, implements and transmission and command the engine ECM to shut down the engine.

Truck Body Systems

Cat designed and built for 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. Caterpillar 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 are the backbone of the AD30 underground mining truck'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

Less time spent on maintenance means more time on the haul roads.

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℠ sampling valves speed sampling and analysis reliability.

Customer Support

Caterpillar dealers have what it takes to keep underground mining equipment productive.

Commitment Makes the Difference. Cat dealers offer a wide range of solutions, services and products that help you lower costs, enhance productivity and manage your operation more efficiently. Support goes far beyond parts and service. From the time you select a piece 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. Summary: Cat dealers will provide the level of support you need, on a global scale. Dealer expert technicians have the knowledge, experience, training and tooling necessary to handle your repair and maintenance needs, when and where you need them.

Product Support. Cat dealers believe superior products deserve superior support. When Cat products reach the field, they are supported by a worldwide network of parts distribution facilities, dealer service centers, and technical training facilities to keep your equipment up and running. Cat customers rely on prompt, dependable parts availability and expertise through our global dealer network, ready to meet your needs 24/7.

Service Support. Every piece of 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 uptime and 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 officer a range of advanced technology products designed to improve fleet efficiency, increase productivity, and lower costs.

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

Application Awareness. Operating and maintenance costs are influenced by many application and site-specific factors, such as: material density, loading position, payload, grades, speeds, haul road design, and maintenance. To optimize total cost of ownership and productivity, your Cat dealer can provide you with a fundamental understanding of the effects application characteristics and operating techniques have on maintenance and operating costs.

Safety

Caterpillar mining machines and systems are designed with safety as their first priority. SAFETY.CAT.COM™

Product Safety. Caterpillar has been and 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. Integral to the cab and frame, 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 braking system provides excellent control. The service brakes and retarding system are actuated modulated hydraulic pressure, while the parking break function is spring applied and hydraulic released. This system assures braking in the event of loss of hydraulic failure.

Interlock. If the operator fails to apply the park brake prior to exiting the cab, the interlock system will detect the absence of operator input and apply the park brake, neutralize the steering, implements and transmission and command the engine ECM to shut down the engine.

Standard Safety Features.

- Anti-Skid upper deck surfaces
- Upper deck handrails
- 3-point cabin and machine access
- Push out safety glass
- Excellent visibility
- Suspension seat
- Passenger/training seat
- Inertia reel retractable belts
- Steering frame lock
- Rear window guard
- Integrated fire suppression system (Optional)
- Body retaining pins
- Automatic retarder control
- Exhaust heat shielding and firewall fitted standard
- Hitch hydraulic hoses – burst protection sleeves fitted
- Tailgate retaining pins (ejector body)
- Ground level compartment sight glasses
- Hot and cold side of engine

Engine

Engine Model	Cat C15 ACERT™	
Rated Power	1,800 rpm	
Gross Power – SAE J1995	304 kW	408 hp
Net Power – SAE J1349	281 kW	377 hp
Net Power – ISO 9249	281 kW	377 hp
Net Power – 80/1269/EEC	281 kW	377 hp
Bore	137.2 mm	5.4 in
Stroke	171.5 mm	6.8 in
Displacement	15.2 L	927.9 in^3

- 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

Nominal Payload Capacity	30 000 kg	66,150 lb
Gross Machine Operating Weight	60 000 kg	132,300 lb

Weights

Empty	30 000 kg	66,150 lb
Front Axle	20 250 kg	44,651 lb
Rear Axle	9750 kg	21,499 lb
Loaded	60 000 kg	132,300 lb
Front Axle	26 520 kg	58,477 lb
Rear Axle	33 480 kg	73,823 lb

Weight Distribution

Empty	
Front Axle	67.5%
Rear Axle	32.5%
Loaded	
Front Axle	44.2%
Rear Axle	55.8%

Transmission

Forward 1	6.8 km/h	4.2 mph
Forward 2	12.3 km/h	7.6 mph
Forward 3	22.3 km/h	13.8 mph
Forward 4	40.8 km/h	25.4 mph
Reverse 1	7.8 km/h	4.8 mph

- Maximum travel speeds with standard 26.5 × R25 tires.

Final Drives

Differential Ratio	3.38:1
Final Drive Ratio	4.76:1
Total Reduction Ratio	16.09:1

- Fully floating axles.

Body Hoist

Raise	10.5 Seconds
Lower	11.2 Seconds
Total Cycle Time	21.7 Seconds

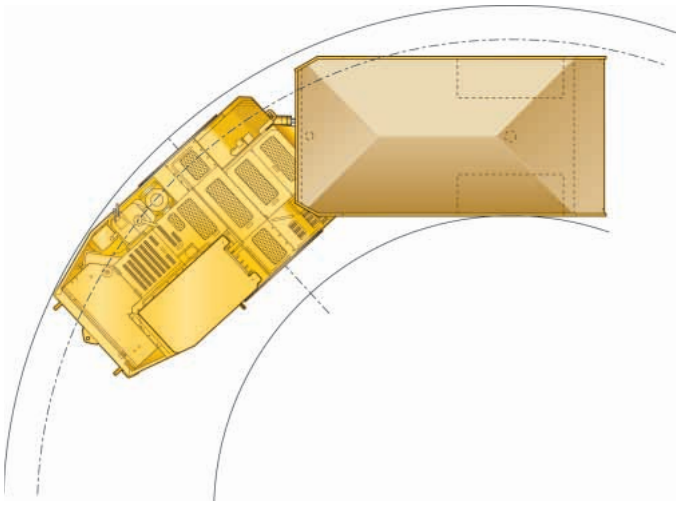
Body Capacities

Dump Body – Standard	14.4 m^3	18.8 yd^3
Dump Body – Optional	11.3 m^3	14.8 yd^3
Dump Body – Optional	17.5 m^3	22.9 yd^3
Ejector Body – Optional	15.2 m^3	19.9 yd^3

- Heaped SAE 2:1.

Turning Dimensions

Outside Clearance Radius*	8571 mm	337.4 in
Inside Turning Radius*	5030 mm	198 in
Frame Oscillation	10°	
Articulation Angle	42.5°	



* Clearance dimensions are for reference only.

Service Refill Capacities

Engine Crankcase with Filter	38 L	10 gal
Transmission	67 L	17.7 gal
Hydraulic Tank	145 L	38.3 gal
Cooling System	76 L	20 gal
Front Differentials and Final Drives	56 L	14.8 gal
Rear Differentials and Final Drives	56 L	14.8 gal
Fuel Tank	500 L	132 gal

Tires

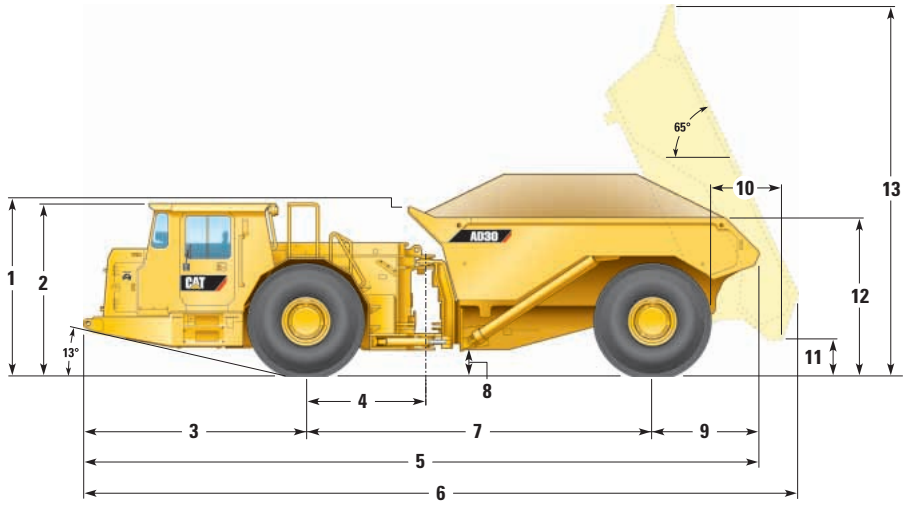
Tire Size	26.5 × R25 Radials

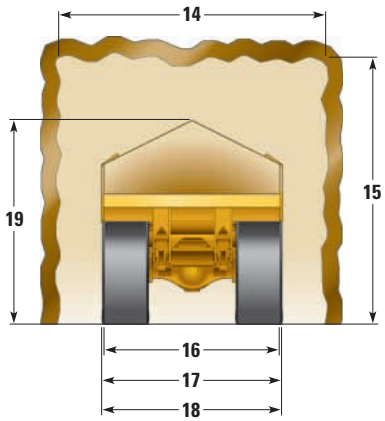
Standards

Brakes	ISO3450, AS2958.1, CAN-CSA424.30-M90
Cab/FOPS	ISO3449, SAEJ231, AS2294.3, EN13627
Cab/ROPS	ISO3471, SAEJ1040, AS2294.2, EN13510

Dimensions

All dimensions are approximate.





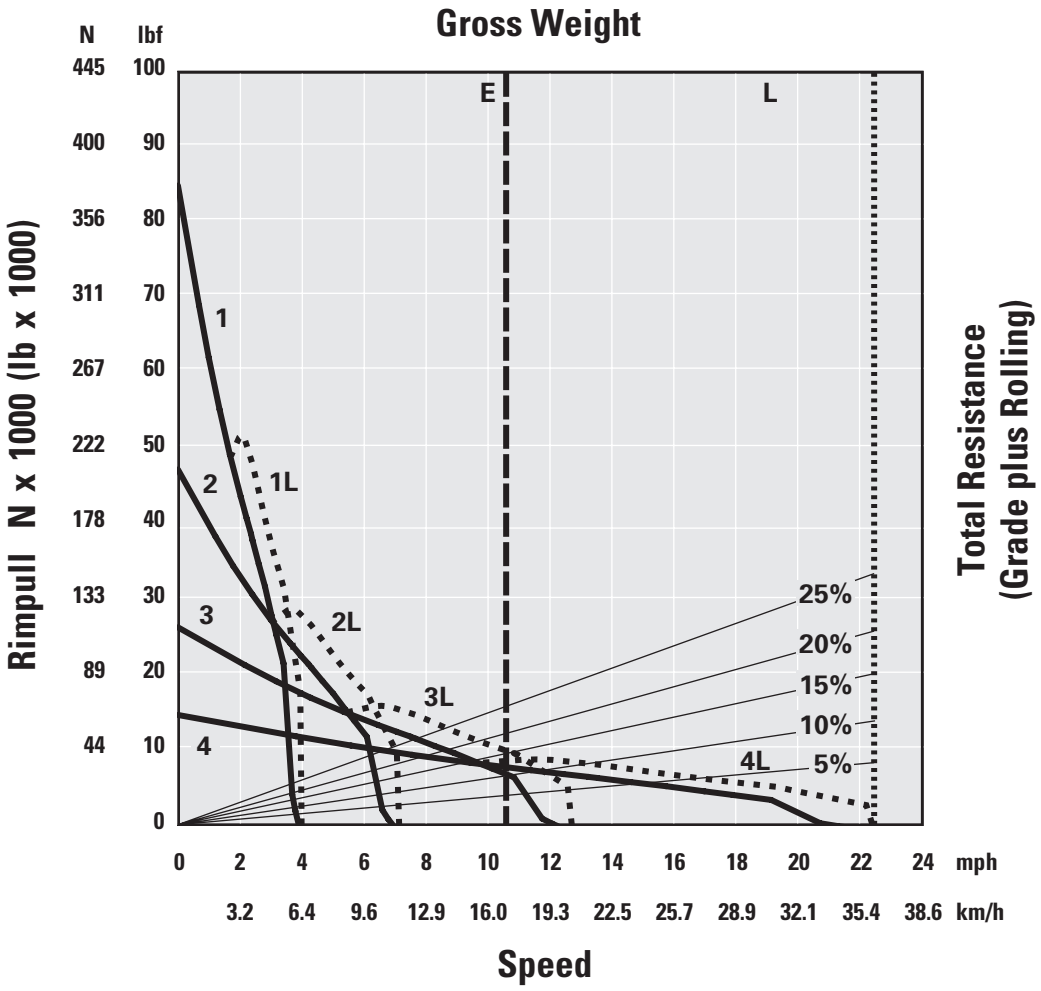
	246-0805	246-0810 (Standard)	246-0789	246-0809
Dump Body	11.3 m^3 (14.8 yd^3)	14.4 m^3 (18.8 yd^3)	17.5 m^3 (22.9 yd^3)	–
Ejector Body	–	–	–	15.2 m^3 (19.9 yd^3)
1 Height to Top of Body	2547 mm (8'4")	2547 mm (8'4")	2722 mm (8'11")	2941 mm (9'8")
2 Height to Top of ROPS	2600 mm (8'6")	2600 mm (8'6")	2600 mm (8'6")	2600 mm (8'6")
3 Front Axle to Front Bumper	3345 mm (11'0")	3345 mm (11'0")	3345 mm (11'0")	3345 mm (11'0")
4 Centerline of Front Axle to Centerline of Hitch	1800 mm (5'11")	1800 mm (5'11")	1800 mm (5'11")	1800 mm (5'11")
5 Overall Length	10 118 mm (33'2")	10 153 mm (33'4")	10 160 mm (33'4")	10 450 mm (34'3")
6 Max Overall Length	10 697 mm (35'1")	10 743 mm (35'3")	10 830 mm (35'6")	10 450 mm (34'3")
7 Wheelbase	5200 mm (17'1")	5200 mm (17'1")	5200 mm (17'1")	5200 mm (17'1")
8 Ground Clearance	400 mm (1'4")	400 mm (1'4")	400 mm (1'4")	400 mm (1'4")
9 Rear Axle to Tail	1573 mm (5'2")	1608 mm (5'3")	1615 mm (5'4")	1905 mm (6'3")
10 Rear Wheel to Body Raised	1075 mm (3'6")	1061 mm (3'6")	1058 mm (3'6")	662 mm (2'2")
11 Dump Clearance	594 mm (1'11")	558 mm (1'10")	547 mm (1'9")	646 mm (2'1")
12 Loading Height	2285 mm (7'10")	2385 mm (7'0")	2560 mm (8'5")	2625 mm (8'7")
13 Overall Height – Body Raised	5608 mm (18'5")	5602 mm (18'5")	5838 mm (19'2")	–
14 Tunnel Clearance Width*	4000 mm (13'1")	4000 mm (13'1")	4000 mm (13'1")	4000 mm (13'1")
15 Tunnel Clearance Height*	4000 mm (13'1")	4000 mm (13'1")	4000 mm (13'1")	4000 mm (13'1")
16 Overall Tire Width	2650 mm (8'8")	2650 mm (8'8")	2650 mm (8'8")	2650 mm (8'8")
17 Overall Width (Including Body)	2690 mm (8'10")	2690 mm (8'10")	2840 mm (9'4")	2880 mm (9'5")
18 Overall Width (Excluding Body)	2690 mm (8'10")	2690 mm (8'10")	2690 mm (8'10")	2690 mm (8'10")
19 Height to Top of Load (SAE 2:1)	2995 mm (9'10")	3051 mm (10'0")	3103 mm (10'2")	3345 mm (11'0")

* Clearance dimensions are for reference only.

Gradeability/Speed/Rimpull

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 Cat 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.

Typical Field Empty Weight
Loaded Weight



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)

Standard Equipment

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

ELECTRICAL
- Reversing Alarm
- Reversing Lights
- Headlights with Dimmer Switch
- Rear Work Light (Cab Mounted)
- Caterpillar Electronic Monitoring System (CEMS)
- 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
- Open 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
- Interlock System Includes ABA

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
- 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 m^3, 18.8 yd^3)
- Oil Sample Adapters

Optional Equipment

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

Air Conditioned Cab, (ROPS/FOPS)
- Windshield Wiper Washer
- Window, Sliding, Operator
- Heater, Cabin

Bodies
- Body, (11.3 m^3, 14.8 yd^3)
- Body, (17.5 m^3, 22.9 yd^3)
- Ejector, (15.2 m^3, 19.9 yd^3)
- Body Liners, Heavy Duty

Secondary Steering, Ground Driven
Camera/Monitor, Reversing
Exhaust Particulate Filter

Fast Fill System
- Coolant
- Engine
- Fuel
- Hydraulic
- Transmission

Fire Suppression System
Fire Extinguisher, Hand Held
Dual Speed Control
EAM, (Electronic Access Module)
TPMS, (Truck Payload Measurement System)
Brake Oil Pressure Gauges

AD30 Underground Articulated Truck

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 Caterpillar dealer for available options.

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