AD45B

UndergroundArticulated Truck

McDowell - Since 1968 -
McDowell B. Equipment Ltd.
2018 Kingsway, Sudbury, Ontario, Canada, P3B 4J8
Call us for a quote +1 (705) 566-8190
sales@bmcdowell.com



Engine		
Engine Model	Cat® C18 ACERT™	
Gross Power – VR Engine – SAE J1995	438 kW	587 hp
Gross Power – Tier 3 Engine – SAE J1995	408 kW	547 hp

Operating Specifications			
NominalPayload Capacity	45 000 kg	99,208 lb	
Gross Machine Mass	85 000 kg	187,393 lb	
Body Capacities	18.0-25.1 m3	23.5-32.8 yd3	

AD45B Features

One Supplier

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

High Performance Engine

The Cat C18 engine with ACERT Technology offer the perfect balance between power, robust design and economy.

Power Shift Transmission

Reliable and rugged design 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 service points and grouped service locations to simplify maintenance and repair.

Contents

Power Train – Engine .....4 Power Train – Transmission .....5 Engine/Power Train Integration .....6 Cat Brake System.....7 Operator Comfort .....8 Truck Body Systems .....9 Structures.....10 Serviceability .....11 Customer Support .....12 Safety .....13 Specifications .....14 Standard



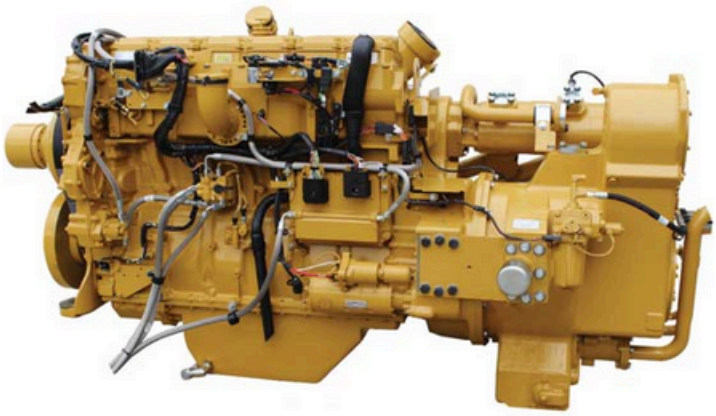


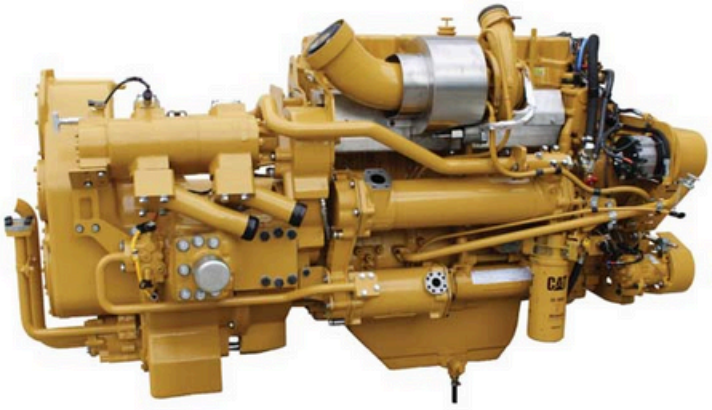
The AD45B underground articulated truck is designed for high production, low cost-per ton hauling in underground mining applications. Rugged construction and simplifi ed maintenance guarantee long life with low operating costs.

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

Power Train – Engine

TheCat C18Engineisbuiltforpower, reliability andefficiency.





The Cat C18 engine provides effi cient fuel management for quick response, high productivity and exceptional service life. Torque rise effectively matches transmission shift points for maximum effi ciency and fast cycle times. Mechanically Actuated, Electronic Unit Injection (MEUI™) high-pressure, direct injection fuel system electronically monitors operator demands and sensor inputs to optimize engine performance. Air-to-air aftercooling provides improved fuel economy by packing cooler, denser air into cylinders for more complete combustion of fuel and lower emissions. Turbo is water cooled to improve performance and service life.

The Cat C18 engine features the optional Ventilation Reduction Package. The VR Package incorporates selective engine hardware and software to minimize diesel particulate matter in the engine exhaust. Engines equipped with the VR Package feature a signifi cant ventilation rate reduction, maintains fuel consumption, and maintained or improved product performance. VR Package availability is subject to regional regulatory compliance. Optional U.S. EPA Tier 3 and EU Stage III compliant engine is also available.

A Cat Diesel Particulate Filter can be used with the VR engine package. This fi lter compliments the VR engine by further reducing particulate matter in the exhaust. Requires the use of 15 PPM ultra low sulfur diesel and CJ-4 low ash engine oil.

Power Train – Transmission

More power to theground for greater productivity.



Mechanical Power Train

TheCatmechanicaldrive power train and power shift transmission provide unmatched operating effi ciency and control on steep grades, in poor underfoot conditions, and on haul roads and drives with high rolling resistance.

Transmission

TheCat seven-speed planetary power shift transmission is matched with the direct-injection C18 engine with ACERT technology to deliver constant power over a wide range of operating speeds.

Robust Design

Designedforrugged underground mining conditions, the proven planetary power shift transmission is built for long life between overhauls.

Lock Up Torque Converter

Combinesmaximum rimpulland cushioned shifting of torque converter drive with the effi ciency and performance of direct drive. When engaged, lock-up provides superior power train effi ciency 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

Individualclutch modulation provides smooth clutch engagements to optimize performance and extend clutch life.

Final Drives

Cat fi nal driveswork 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, fi nal drives provide high torque multiplication to further reduce drive train stress.

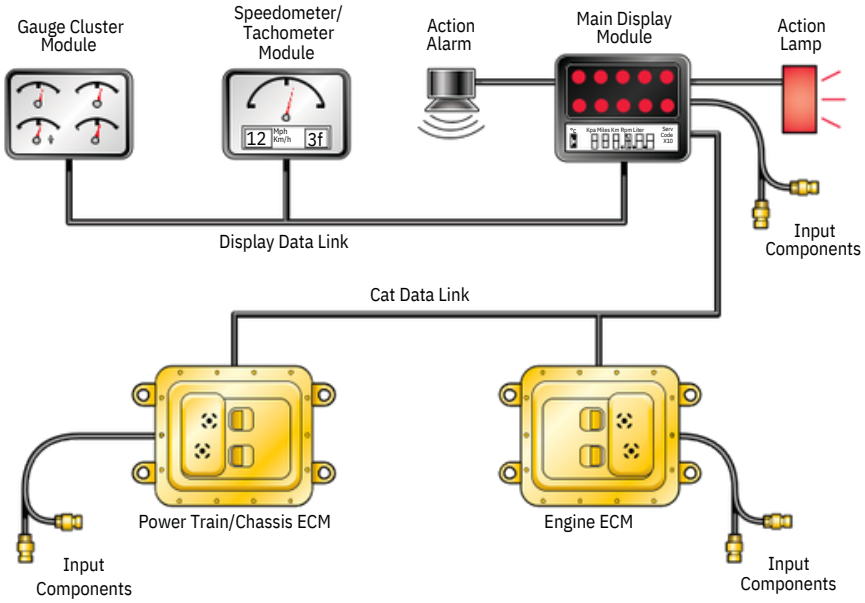
Full Floating Axles

Full fl oating axlesrelieve internal stresses and increase durability. Rolled splines also provide increased service life.

Engine/Power Train Integration

Intelligentelectronics foroverall optimalperformance.

CATMONITORING SYSTEM



Cat Data Link

Electronicallyintegrates 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)

CatETservice toolprovidesservice technicians with easy access to stored diagnostic data through Cat Data Link to simplify problem diagnosis and increase availability.

Overspeed Protection

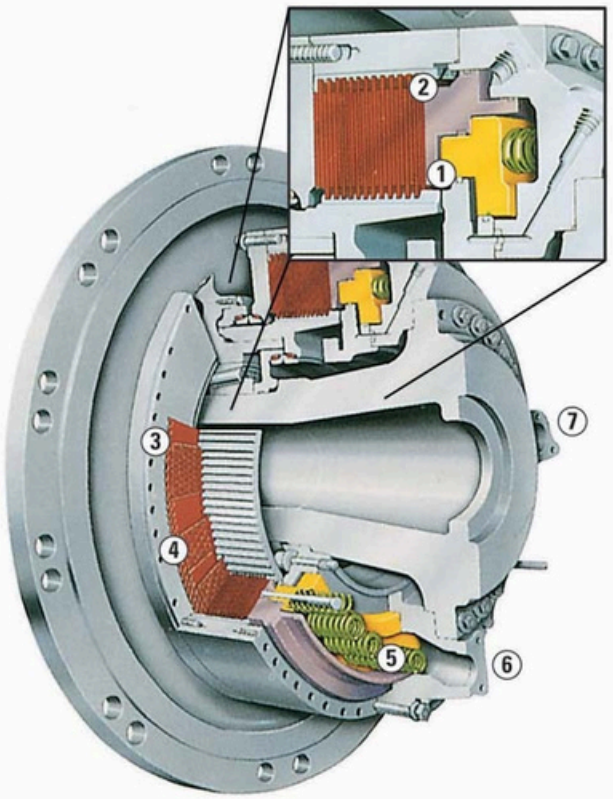
The Automatic RetarderControl (ARC) system provides engine overspeed protection. The ARC will engage the brakes if the following conditions exist at the same time:

- An unsafe engine speed is reached.
- The ARC on/off switch is in the ON position or the OFF position.
- The throttle is being depressed by the operator.

If the transmission is in top gear, the lockup clutch is deactivated in order to protect the engine against an engine overspeed condition.

Cat Brake System

Superior controlforoperatorconfidence.



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

Integrated Braking System

TheCat oil-cooled brakingsystem 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 effi ciency.

Oil-Cooled Multiple Disc Brakes

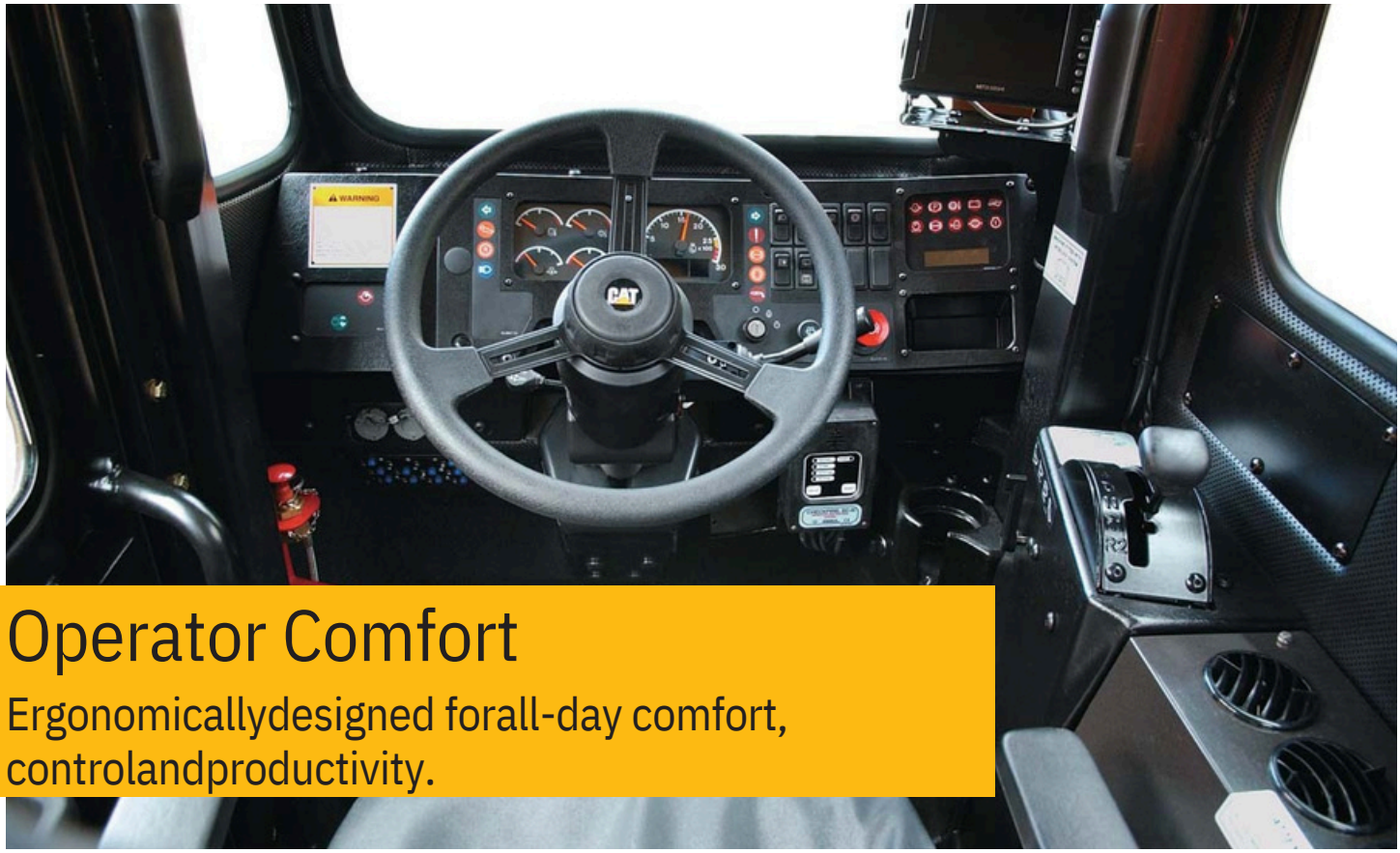
Four-wheel, forcedoil-cooled,multipledisc service brakes are continuously cooled by a water-to-oil heat exchangers for non-fade braking and retarding performance. They are also completely enclosed to prevent contamination and reduce maintenance.

Automatic Retarder Control (ARC)

Electronicallycontrols retarding ongradeto maintain optimum engine RPM and oil cooling. Additional braking may be applied using the manual retarder or the brake pedal. ARC also allows the operator to maintain optimum engine speeds for faster downhill hauls and greater productivity. The ARC automatically activates when engine speed exceeds factory preset levels.

Superior Control

Automaticbrakemodulation offers a smoother ride and greater control, allowing the operator to concentrate on driving.



Operator Comfort

Ergonomicallydesigned forall-day comfort, controlandproductivity.

The AD45B 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

Ruggedperformanceand reliabilityin toughundergroundmining applications.





Cat Truck Bodies

Caterpillar offerstwo specifi c body styles for the most effi cient hauling solutions at the lowest cost-per-ton.

- Dump Body
- Ejector Body

The ejector body can now be easily removed and a dump body fi tted 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 effi ciency. Your Cat dealer can help you select the right body system for your site specifi c application.

Body Design

Cattruck bodies are designed for optimal strength, capacity and durability. Drawing on years of experience in truck body design, Cat Truck Bodies are designed for long service life and low cost per ton.

Body/Chassis Integration

Cattruck bodiesare designed and matched with the integrated chassis system for optimum structural reliability, durability and long life.

Fast Hoist Cycle Times

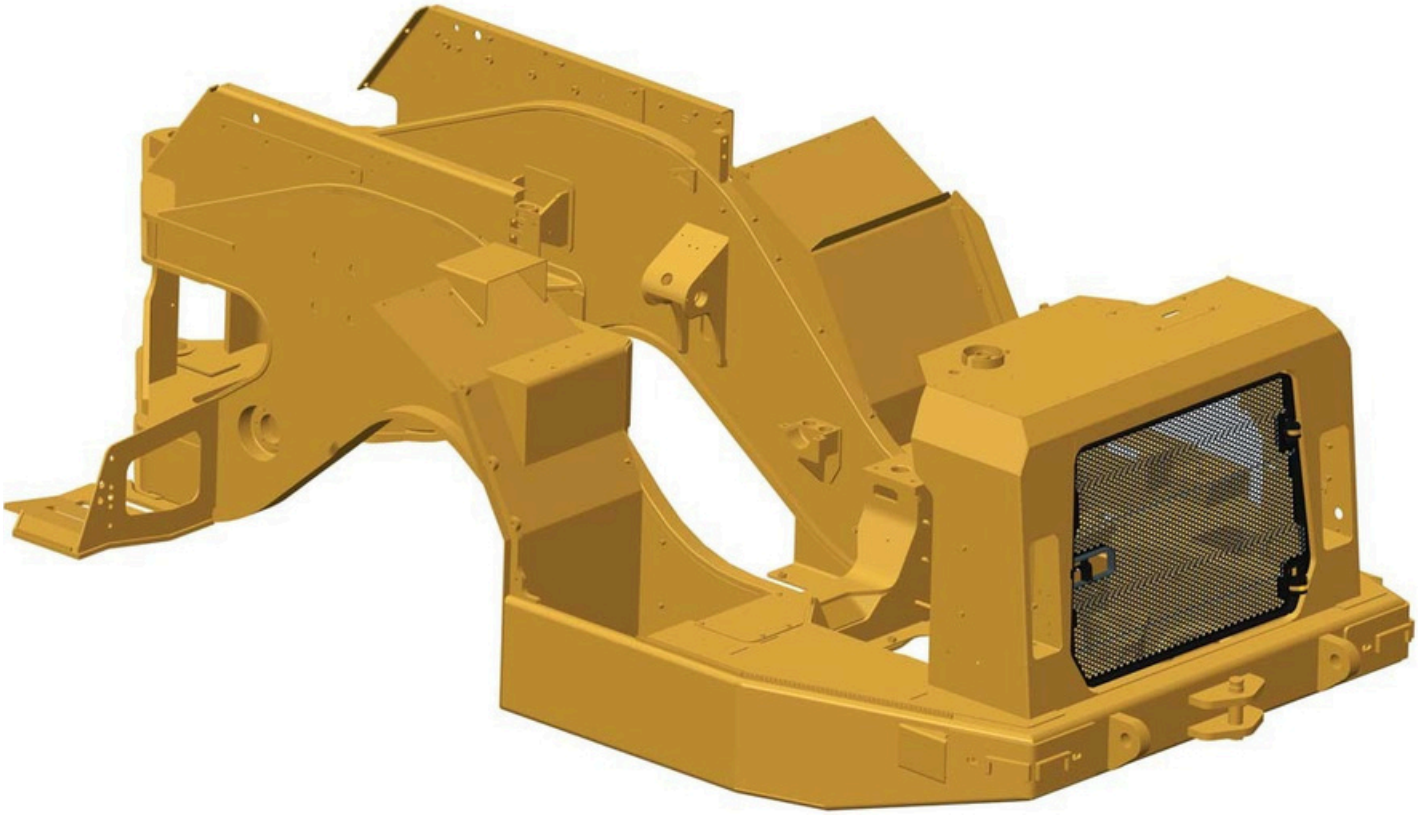
Single-stage hoistcylinders provide fast dump cycle times of 16 seconds for raise and 21 seconds for lower.

Truck Payload Management System (TPMS)

The optionalTPMSsystem calculatesthepayloadthetruck is carrying and determines truck cycle times.

Structures

RuggedCatstructures – the backbone oftheAD45B'sdurability.



Frame Design

Theframe uses box-section design with stiff frame beams to resist twisting forces. Materials and weld joints are matched to optimize the structural life of the frame.

Articulating/Oscillating Hitch

Thissystemprovidessteeringandoscillation and enables the truck to maintain all wheel ground contact in rough terrain.

Suspension System

Twoindependentvariablerebound suspension cylinders dissipate haul road forces for longer frame life and a comfortable ride.

Serviceability
More time for production.







Service Access
Easyaccess todaily service points simplifi es servicing and reduces time spent on regular maintenance procedures.

Ground-Level Access
Allows convenientservicing to all tanks, fi lters, lubrication points and compartment drains.

Electric fuel priming. Remote mounted fuel fi lters for easier serviceability.

Air Filters
Radialseal air fi lters are easy to change, reducing time required for air fi lter maintenance.

Sight Gauges
Fluidlevelchecks are made easier with sight gauges.

Diagnostics
CatElectronic Technician (Cat ET) service tool enables quick electronic diagnosis of machine performance and key diagnostic data for effective maintenance and repairs.

Sealed Electrical Connectors
Electrical connectorsare sealed tolock 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

[SM] helps avoidminorrepairs becoming major ones.

Sample point adapters fi tted standard to machine.



Customer Support

Catdealerserviceskeepunderground mining equipment productive.

Dealer Capability

Catdealers willprovide 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 Catproductsreach the fi eld, 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 will be with you every step of the way with its unsurpassed worldwide parts support, trained technicians and customer support agreements.

Technology Products

Catdealers offerarangeof advanced technology products designed to improve effi ciency, productivity and lower costs.
VIMS™ Gen 3 option available from factory.

Replacement

Repairorrebuild? Your Cat dealer can help you evaluate the costs so you can make the right choice.



Safety

Designed with safety as the fi rstpriority.

Product Safety

Caterpillar hasbeen 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

Asecondaryengineshutoffswitch is located at ground level.

Integral ROPS Cab

Integralto thecab and frame, the ROPS is resiliently mounted to the frame to isolate the operator from vibration for a more comfortable ride.

Brake Systems

Fourcorner oil-cooled braking system provides excellent control. The service brakes and retarding system are actuated by modulated hydraulic pressure, while the parking brake function is spring applied and hydraulic released. This system assures braking in the event of loss of hydraulic pressure.

Operator Present System

Automatically engagesparking brake, neutralizes steering, implement and transmission control, and shuts down the engine in the event the 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, excellent visibility, suspension seat, passenger/training seat, inertia reel retractable belts, steering frame lock, rear window guard, body retaining pins, automatic retarder control, exhaust heat shielding and fi rewall fi tted standard, hitch hydraulic hoses – burst protection sleeves fi tted, tailgate retaining pins (ejector body), alternate exit via windows, ground level compartment sight glasses, hot and cold side of engine.

SAFETY.CAT.COM™

Formorecompleteinformation on safety, please visit www.safety.cat.com.

AD45B Underground Articulated Truck Specifications

Engine

Engine Model	Cat C18 ACERT	
Gross Power – VR Engine – SAE J1995	438 kW	587 hp
Gross Power – Tier 3 Engine – SAE J1995	408 kW	547 hp
Bore	145 mm	5.7 in
Stroke	183 mm	7.2 in
Displacement	18.1 L	1,104.53 in3

- Power ratings apply at a rated speed of 1,800 rpm (VR Engine) or 2,000 rpm (Tier 3 Engine) when tested under the reference conditions for the specifi ed 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 2700 m (8,858 ft).
- Optional Ventilation Reduction Package available.
- Optional Tier 3 engine package is compliant with U.S. EPA Tier 3 andEU Stage III emissionstandards.

Operating Specifications

Nominal Payload Capacity	45 000 kg	99,208 lb
GrossMachine Mass	85 000 kg	187,393 lb

Weights

Empty	40 000 kg	88,184 lb
Front Axle	27 600 kg	60,847 lb
Rear Axle	12 400 kg	27,337 lb
Loaded	85 000 kg	187,393 lb
Front Axle	38 760 kg	85,451 lb
Rear Axle	46 240 kg	101,942 lb

Weight Distribution

Empty	
Front Axle	69%
Rear Axle	31%
Loaded	
Front Axle	45.6%
Rear Axle	54.4%

Transmission

Forward 1	8	km/h	4.9	mph
Forward 2	10.9	km/h	6.8	mph
Forward 3	15.1	km/h	9.4	mph
Forward 4	20.6	km/h	12.8	mph
Forward 5	28.1	km/h	17.4	mph
Forward 6	38.1	km/h	23.7	mph
Forward 7	52	km/h	32.3	mph
Reverse 1	7.5	km/h	4.6	mph
Reverse 2	10.1	km/h	6.3	mph

•Maximumtravel speeds with standard 29.5 × R29 tires.

Final Drives

Differential Ratio	3.46:1
Final Drive Ratio	5.65:1
Total Reduction Ratio	19.55:1

Body Hoist

Raise	16 Seconds
Lower	21 Seconds
Total Cycle Time	37 Seconds

AD45B Underground Articulated Truck Specifications

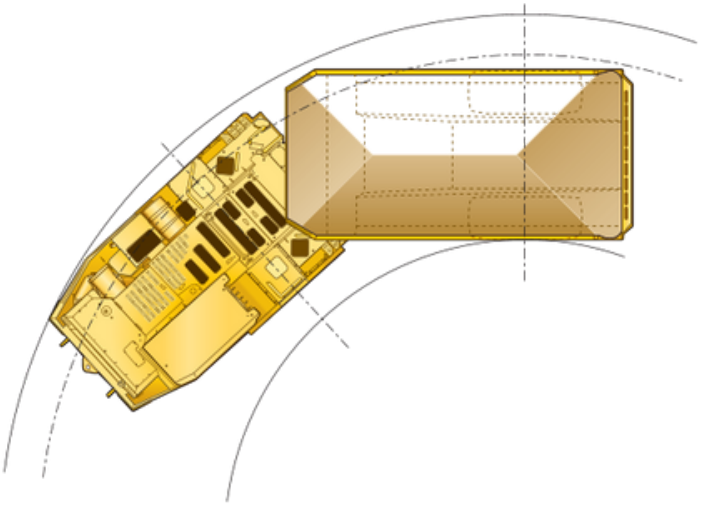
Body Capacities

Dump Body 1	18.0 m3	23.6
Dump Body 2 (Standard Body)	21.3 m3	yd3
Dump Body 3	25.1 m3	27.9
Ejector Body	22.9 m3	yd3
•HeapedSAE 2:1.		32.8
		yd3
		29.9
		yd3

Turning Dimensions

Outside Clearance Radius*	365.8 in
9291 mm	
Inside Clearance Radius*	209 in
5310 mm	
Frame Oscillation	10°
Articulation Angle	42.5°

*Clearance dimensions are for reference only.



Service Refill Capacities

Engine Crankcase with Filter	64 L	16.9 gal
Transmission Hydraulic Tank	60 L	15.9 gal
Cooling System Front Differentials	266 L	70.3 gal
and Final Drives Rear Differentials	85 L	22.5 gal
and Final Drives	77 L	20.3 gal
	83 L	21.9 gal
Fuel Tank	764 L	201.8 gal

Tires

TireSize	29.5 × R29

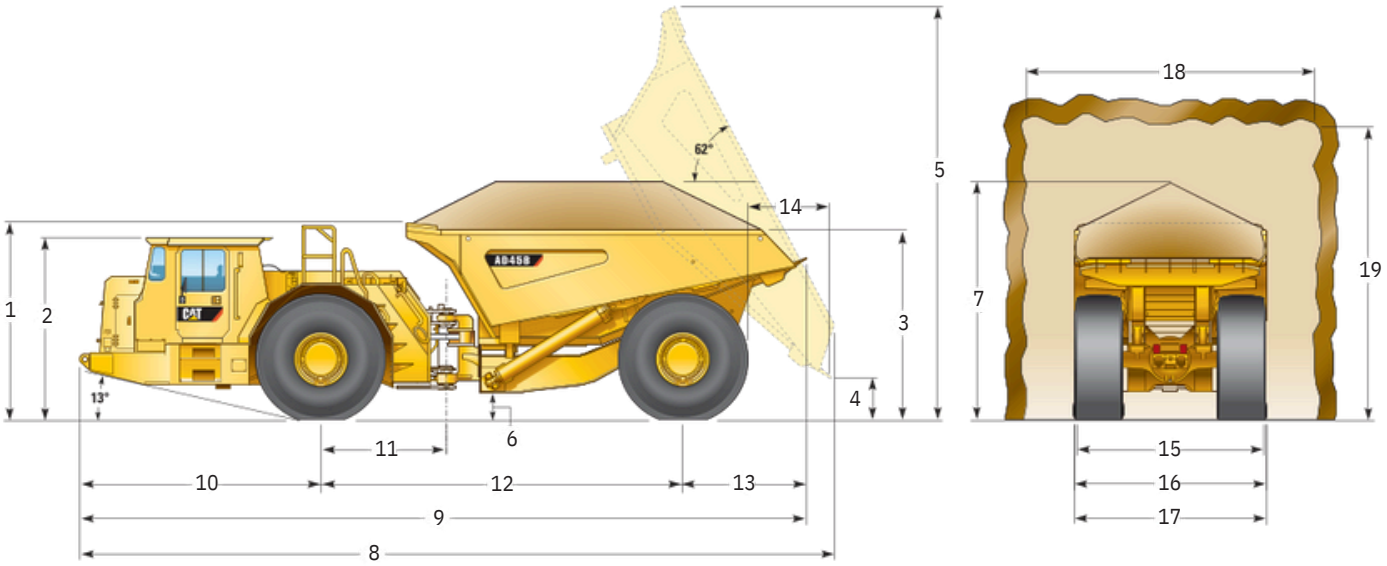
Standards

Brakes	ISO 3450, AS2958.1, CAN-CSA424.30-M90
Cab/FOPS	ISO 3449, SAE J231, AS2294.3, EN13627
Cab/ROPS	ISO 3471, SAE J1040, AS2294.2, EN13510

AD45B Underground Articulated Truck Specifications

Dimensions

Alldimensionsare approximate.



	307-1156 Dump Body		267-5319 Dump Body		275-0710 Dump Body		351-1482 Ejector Body	
Body Capacity	18.0m ^{3}	23.5yd3	21.3 m^3	27.9yd3	25.1 m^3	32.8yd3	22.9m ^{3}	29.9yd3
	mm	in	mm	in	mm	in	mm	in
1 Height – Top of Empty Body	2831	111.5	3036	119.5	3181	125.2	3463	136.3
2 Height – Top of ROPS	2817	110.9	2817	110.9	2817	110.9	2817	110.9
3 Height – Body Loading	2720	107.1	2925	115.2	3070	120.9	3179	125.2
4 Height – Dump Clearance**	665	26.2	665	26.2	665	26.2	1001	39.4
5 Height – Top of Raised Body	6012	236.7	6357	250.3	6603	260.0	—	—
6 Height – Ground Clearance	441	17.4	441	17.4	441	17.4	441	17.4
7 Height – Top of Load (SAE 2:1)	3610	142.1	3655	143.9	3705	145.9	3705	145.9
8 Length – Maximum Overall Length	11 561	455.2	11 622	457.6	11 682	459.9	11 561	455.2
9 Length – Overall Body Down	11 194	440.7	11 194	440.7	11 194	440.7	11 194	440.7
10 Length – Front Axle to Front Bumper	3718	146.4	3718	146.4	3718	146.4	3718	146.4
11 Length – Front Axle to Hitch	1920	75.6	1920	75.6	1920	75.6	1920	75.6
12 Length – Wheel Base	5570	219.3	5570	219.3	5570	219.3	5570	219.3
13 Length – Rear Axle to Tail	1906	75.0	1906	75.0	1906	75.0	2017	79.4
14 Length – Rear Wheel to Raised Body	1268	49.9	1268	49.9	1268	49.9	946	37.2
15 Width – Overall Tire	3000	118.1	3000	118.1	3000	118.1	3000	118.1
16 Width – Machine with Body	3000	118.1	3000	118.1	3200	126.0	3200	126.0
17 Width – Machine without Body	3000	118.1	3000	118.1	3000	118.1	3000	118.1
18 Recommended Clearance Width*	4500	177.2	4500	177.2	4500	177.2	4500	177.2
19 Recommended Clearance Height*	4500	177.2	4500	177.2	4500	177.2	4500	177.2

*Clearance dimensions are for reference only.

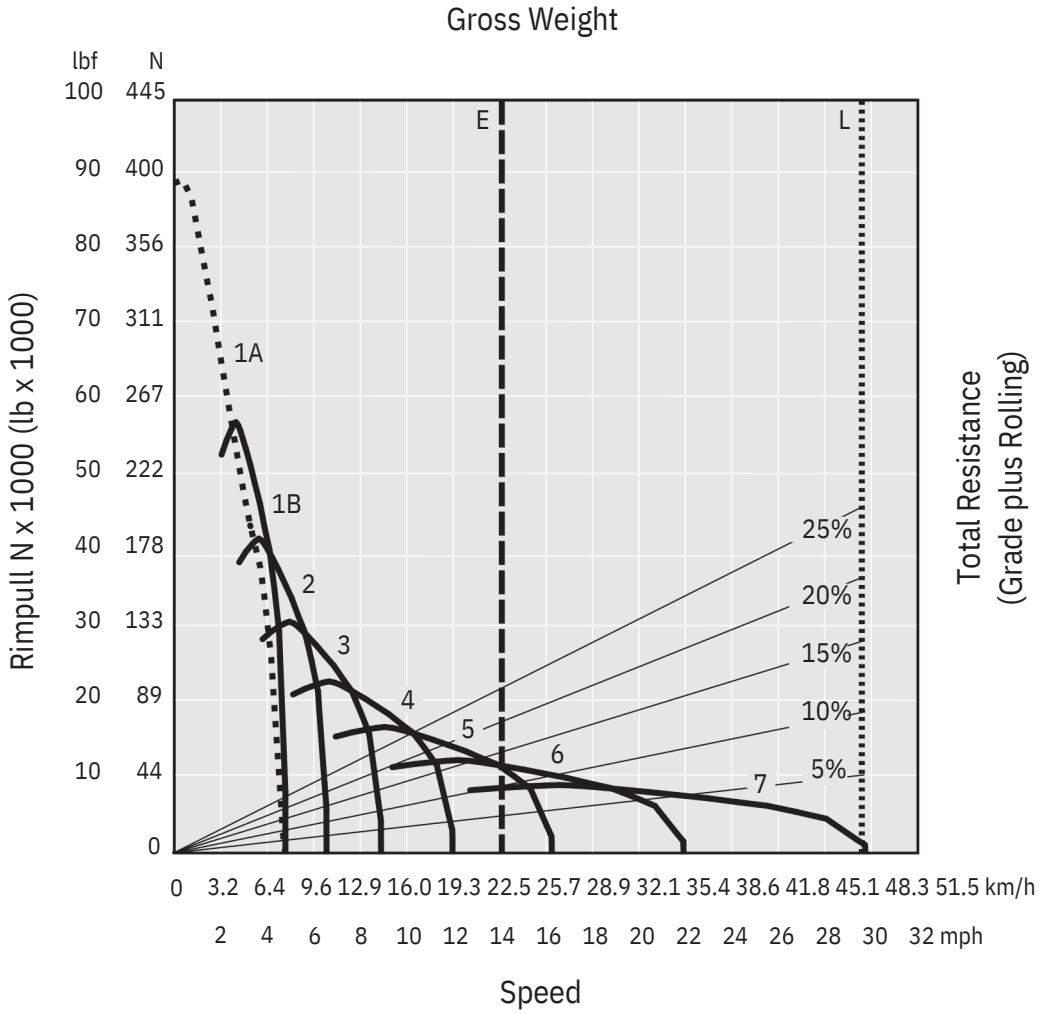
**Measurement taken with tailgate down for ejector body.

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 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.

Typical Field Empty Weight

Loaded Weight



1A – 1st Gear Torque Converter Drive
1B – 1st Gear Direct Drive 2 – 2nd Gear Direct Drive 3 – 3rd Gear Direct Drive 4 – 4th Gear Direct Drive 5 – 5th Gear Direct Drive 6 – 6th Gear Direct Drive 7 – 7th Gear Direct Drive

E – Empty 40 000 kg (88,185 lb)
L – Loaded 85 000 kg (187,393 lb)

AD45B Standard Equipment

Standard Equipment

Standardequipmentmayvary. Consult your Cat dealer for details.

ELECTRICAL

- 12Vpower supply in cab
- Alternator, 95-amp
- Auxiliary start receptacle
- Battery disconnect switch, ground level
- Circuit breaker, 80-amp
- Corrosive protection spray
- Diagnostic connector
- Electric starting, 24V
- Engine shutdown switch, ground level
  - Front left hand side
- Lighting
  - Brake and tail light, LED
  - Headlights with dimmer switch, halogen
  - Rear work light (cab mounted), halogen
  - Reversing lights, halogen
- Low maintenance batteries
- Reversing alarm
- Starting and charging system

OPERATOR ENVIRONMENT

- CatElectronic Monitoring System (Cat EMS)
- Electric horns
- Gauges
  - Engine coolant temperature
  - Transmission coolant temperature
  - Hydraulic oil temperature
  - Fuel level
  - Speedometer
  - Tachometer
- Indicator lights
  - Alert warning light
  - Body up position warning
  - High beam
  - Residual brake pressure warning
  - Retarder application
  - Turn signal
- Low hydraulic level warning
- Open operator station ROPS/FOPS structure
- Operator presence system (auto park brake)
- Rearview mirrors
- Suspension seat Cat Comfort TLV2 with retractable seat belt
- Trainer/passenger seat and seat belt
- Tilt/telescopic steering wheel
- Turn signal indicators

POWER TRAIN

- Cat C18ATAAC diesel engine, 6-cylinder
- Automatic brake retarder control
- Auto shift transmission 7 speed forward/ 2 speed reverse
- Control throttle shifting
- Engine air intake precleaner
- Electric fuel priming pump
- Exhaust, turbo compartment shielding
- Four wheel drive
- Long life coolant
- Programmable ground speed limiting
- Programmable gear block out with tray up
- Radiator cap manual release
- Radiator, cross fl ow
- SAFR™ full hydraulic enclosed wet, multiple-disc brakes, oil cooled
- Torque converter, standard with automatic lockup

OTHER STANDARD EQUIPMENT

- Body,dump, (21.3 m3, 27.9yd3)
- Catalytic exhaust purifi er/muffl er group
- Centralized lubrication points
- Decals, international picto graphics
- Dual fuel tanks
- Engine and transmission belly guards
- Fenders, front, rear fl aps
- Fire wall
- Fuel system manual shut off tap
- Front axle suspension
- Frame lifting lugs
- Front and rear tow pin
- Front rubber bumpers
- Hand hold (access on/off top deck)
- Hitch, articulated and oscillated
- Operator and Maintenance Manual, English
- S·O·S port
  - Coolant
  - Engine oil
  - Hydraulic oil
  - Transmission oil
- Swing out radiator grill
- Tires and rims: A tire must be selected from the mandatory attachments section of the machine price list. Base machine price includes a standard tubeless rim allowance only.

Optional Equipment

Optionalequipmentmayvary. Consult your Cat dealer for details.

- Battery shutdown
  - Ground level isolation, in cab isolation switch
  - Ground level isolation, engine shutdown switch
  - Ground level isolation, in cab isolation, engine shutdown switch
- Body dump
  - Body, (18.0 m3, 23.5 yd3)
  - Body, (25.1 m3, 32.8 yd3)
- Body ejector
  - Ejector, (22.9 m3, 30.0 yd3)
- Body liners, impact and/or wear
  - 10 mm (0.4"), body, dump (18.0 m3, 23.5 yd3)
  - 10 mm (0.4"), body, dump (21.3 m3, 27.9 yd3)
  - 10 mm (0.4"), body, dump (25.1 m3, 32.8 yd3)
  - 10 mm (0.4"), body, ejector, (22.9 m3, 30.0 yd3)
- Body wear plate, external
  - 16 mm (0.62"), body, dump (18.0 m3, 23.5 yd3)
  - 16 mm (0.62"), body, dump (21.3 m3, 27.9 yd3)
  - 16 mm (0.62"), body, dump (25.1 m3, 32.8 yd3)
- Brake pressure gauges
- Camera, color rear facing
- Cover, anti vandalism for shipping
- Engine options
  - Diesel particulate fi lter (for use with VR engine only)
  - Engine, Ventilation Reduction (VR)
  - Tier 3
- Fast fi ll system
  - Coolant
  - Engine oil
  - Fuel (dual tanks)
  - Hydraulic oil
  - Transmission oil
- Fire suppression system
  - Ansul, dry powder
  - Foam, water based
- Fluids
  - Arctic fuel
  - Arctic coolant
- Lighting
  - Headlights with dimmer switch, LED
  - Rear work light (cab mounted), LED
  - Reversing lights, LED
- Lubrication system
  - Automatic, dump or ejector body
  - Centralized, ejector body
- Mine transfer
  - Mine transfer ready front frame (tack welded)
  - Mine transfer ready dump body (tack welded)
  - Mine transfer ready ejector body (tack welded)
- Operators station ROPS/FOPS enclosed
  - Air conditioning
  - Cab pressurizer and fi lter
  - Dome light
  - Heater
  - Radio ready compartment for radio and speakers
  - Sun visor
  - Window, sliding cab door
- Operator and Maintenance Manual
  - Chinese
  - Indonesian
  - French
  - Portuguese
  - Russian
  - Spanish
- Park brake switch engagement
  - Push to apply
  - Pull to apply
- Payload
  - Truck Payload Measurement System (TPMS)
  - Remote display for TPMS
- Refl ective tape
- Rims
  - Rim identifi cation numbering
  - Spare, tubeless
- Seat
  - Suspension seat Cat Comfort TLV2, vinyl
  - Suspension seat tee, mechanical
- Seat cover
  - Tee and Cat Comfort TLV2
  - Seat cover, companion
- Secondary steering system
- Service tools
  - Collet jacking bolts, dump or ejector
  - Diagnostics box
  - Hoist cylinder supports (for body removal)
  - Brake wear gauge
  - Reference parts manual for additional tooling available
- Switches
  - Engine shutdown, fi re suppression activation
  - Idle timer
  - Engine shutdown, fi re suppression activation/idle timer
- Technology
  - Vital Information Management System (VIMS) Gen 3
- Tire arrangements
  - Tire, 29.5 × R29 VSNT Bridgestone
  - Tire, 29.5 × R29 VSDL Bridgestone
- Torque converter, high altitude, 3000 m (9,842 ft) and up

NOTE: Not all features are available in all regions. See your Cat dealer for more information.

McDowell B. Equipment Ltd.
2018 Kingsway, Sudbury, Ontario, Canada, P3B 4J8
Call us for a quote +1 (705) 566-8190
sales@bmcdowell.com

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

AEHQ6325-02 (10-2014)
Replaces AEHQ6325-01

© 2014 Caterpillar
All rights reserved
Materials and specifi cations are subject to change without notice.
Featured machines in photos may include additional equipment. See your Cat dealer for available options.

CAT, CATERPILLAR, SAFETY.CAT.COM, their respective logos, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.