



# Cat<sup>®</sup> AD63

## *Underground Mining Truck*

- 63 tonne (69 tons) payload, 5% payload capacity increase.
- Five body sizes including a lightweight dump body option.
- Truck Payload Measurement System (TPMS) now offers payload scoreboards on both sides of the truck providing the LHD Operator with visual real time payload data.
- New Product Link™ Elite (PLE) system standard provides machine health monitoring (replaces VIMS).
- Ansul wet fire system.

- Tilt Cab for easy machine maintenance.
- High efficient modular HVAC system with dual power options. The diesel engine-driven system operates when the engine is running to provide maximum efficiency in hot applications. When the engine is turned off, the electric system powers the HVAC system, resulting in less engine idling and lower operating costs.
- Easy access to HVAC system filters ducting with 9 flexible louvers for more operator comfort and efficient defogging.
- Optional High Efficiency Particulate Air (HEPA) filter for primary air filtration.
- Radiator surround upsized to improve access to cleaners and filters.
- Air inlet filters are now forward mounted on radiator surround.
- New and improved handrail system, additional access now available via the front grill.



- Meets EU Stage V emission standards and is approved by CANMET.
- Increase of engine torque rise from 18% to 28%, has been coupled with a powertrain ratio update to spread the torque rise. Resulting in superior grade holding capability when your truck needs it most.
- Cooling system has been enhanced to improve serviceability and performance of the system.

### Overview

- **Availability:** From Q3 2020
- **To Order:** Contact your local dealer for more information

### AD63 Stage V – Clean Diesel Emissions

- Meets the strictest emission standards (Stage V) and is approved by CANMET. The AD63 does not require Diesel Exhaust Fluid (DEF) to meet these standards.
- Diesel Particulate Matter reduction solutions are also available for more emission reduction.
- 3/4 pass match with R2900 and perfect 3 pass match with R3000H.

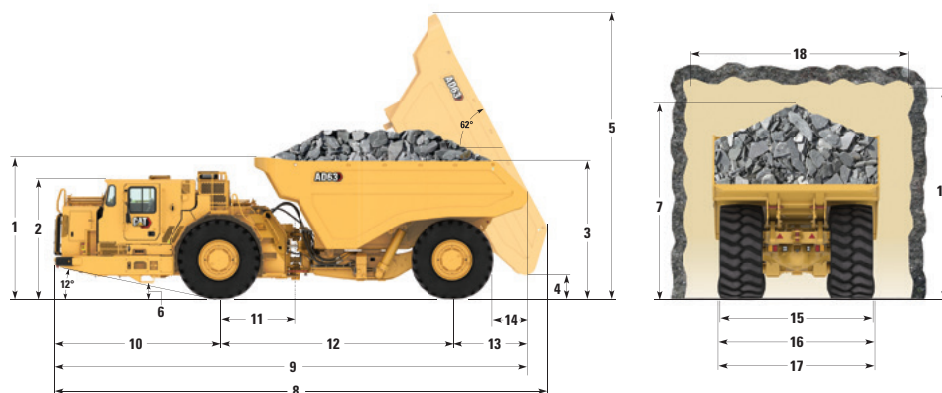
# Cat® AD63 Underground Mining Truck

## Engine

Engine Model	Cat® C27	
Engine Power – Stage V Engine – ISO 14396:2002	593 kW	795 hp
Bore	137.2 mm	5.4 in
Stroke	152.4 mm	6 in
Displacement	27 L	1,650 in³

## Operation Specifications

Nominal Payload Capacity	63 000 kg	138,891 lb
Gross Machine Mass	118 940 kg	262,218 lb



## Dimensions (All dimensions are approximate.)

	311-4730 Dump Body (Standard)		312-1395 Dump Body		307-6655 Dump Body		311-4721 Dump Body		529-7938 Dump Body (Light)	
Body Capacity	26.9 m³	35.2 yd³	32.6 m³	42.6 yd³	33.8 m³	44.2 yd³	36.6 m³	47.9 yd³	38.3 m³	50.1 yd³
	mm	in	mm	in	mm	in	mm	in	mm	in
1 Height – Top of Empty Body	3202	126	3418	135	3556	140	3552	140	3560	140
2 Height – Top of ROPS	3000	118	3000	118	3000	118	3000	118	3000	118
3 Height – Body Loading	3045	120	3326	131	3426	135	3473	137	3473	137
4 Height – Dump Clearance	514	20	514	20	514	20	514	20	598	24
5 Height – Top of Raised Body	6969	274	7202	284	7322	288	7176	283	7200	283
6 Height – Ground Clearance	393	15	393	15	393	15	393	15	393	15
7 Height – Top of Load (SAE 2:1)	3830	151	4160	164	4160	164	4300	169	4330	170
8 Length – Maximum Body Raised	12 064	475	12 180	480	12 222	481	12 241	482	12 430	489
9 Length – Overall Body Down	12 040	474	12 040	474	12 040	474	12 040	474	11 960	471
10 Length – Front Axle to Front Bumper	4164	164	4164	164	4164	164	4164	164	4164	164
11 Length – Front Axle to Hitch	1920	76	1920	76	1920	76	1920	76	1920	76
12 Length – Wheel Base	5900	232	5900	232	5900	232	5900	232	5900	232
13 Length – Rear Axle to Tail	1976	78	1976	78	1976	78	1976	78	1896	75
14 Length – Rear Wheel to Raised Body	857	34	857	34	857	34	857	34	777	31
15 Width – Overall Tire	3250	128	3250	128	3250	128	3250	128	3250	128
16 Width – Machine with Body	3346	132	3480	137	3480	137	3480	137	3500	138
17 Width – Machine without Body	3323	131	3323	131	3323	131	3323	131	3323	131
18 Recommended Clearance Width*	5000	197	5000	197	5000	197	5000	197	5000	197
19 Recommended Clearance Height*	5000	197	5000	197	5000	197	5000	197	5000	197

\*Clearance dimensions are for reference only.

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