



Cat[®] AD45

Underground Mining Truck

- 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.
- Additional camera mounted on the right hand side enhances operator visibility for the EU Stage V model and along with the reverse and cab loading cameras (optional for other machines) further assists operators to navigate the truck safely.
- Four body sizes including an ejector body to meet individual mine site requirements.

- Three engine and aftertreatment emission options to select.
- In-cab emission display for the Stage V model allows emission status monitoring.
- New Product Link[™] Elite (PLE) system standard on all models provides machine health monitoring (replaces VIMS).
- ROPS/FOPS Certified Cab.
- Ergonomically designed cab provides the operator with a comfortable and productive working environment.



- Operator Presence System protects operator and takes action to ensure safety.
- Ground-level access for ease of service and maintenance.
- Optional Integrated fire suppression system.
- Optional secondary steering system for consistent truck response.

Overview

- **Availability:** From Q1 2020
- **To Order:** Contact your local dealer for more information

AD45 Stage V – Clean Diesel Emissions

- Meets the strictest industrial emission control standards (Stage V)
- Perfect 3-pass match with next generation LHD R1700
- Optional Stage V re-power package available to upgrade existing AD45B trucks

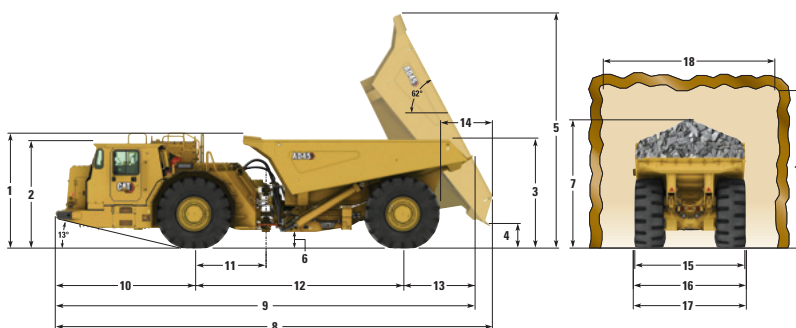
Cat® AD45 Underground Mining Truck

Engine

Engine Model	Cat® C18	
Gross Power – VR Engine – ISO 14396	439 kW	589 hp
Gross Power – U.S. EPA Tier 3/ EU Stage IIIA Equivalent Engine – ISO 14396	439 kW	589 hp
Gross Power – Stage V Engine – ISO 14396	447 kW	598 hp
Bore	145 mm	5.7 in
Stroke	183 mm	7.2 in
Displacement	18.1 L	1,104.5 in ³

Operation Specifications

Nominal Payload Capacity	45 000 kg	99,208 lb
Gross Machine Mass	88 820 kg	195,815 lb



Dimensions (All dimensions are approximate.)

	267-5319 Dump Body (STD)		275-0710 Dump Body		307-1156 Dump Body		361-8300 Ejector Body	
Body Capacity	21.3 m ³	27.9 yd ³	25.1 m ³	32.8 yd ³	18.0 m ³	23.5 yd ³	22.9 m ³	29.9 yd ³
1 Height – Top of Empty Body	3035 mm	119 in	3181 mm	125 in	2830 mm	111 in	3464 mm	136 in
2 Height – Top of ROPS	2820 mm	111 in	2820 mm	111 in	2820 mm	111 in	2820 mm	111 in
3 Height – Body Loading	2924 mm	115 in	3070 mm	121 in	2720 mm	107 in	3177 mm	125 in
4 Height – Dump Clearance**	659 mm	26 in	659 mm	26 in	659 mm	26 in	961 mm	38 in
5 Height – Top of Raised Body	6361 mm	250 in	6607 mm	260 in	6019 mm	237 in	N/A	N/A
6 Height – Ground Clearance	441 mm	17 in	441 mm	17 in	441 mm	17 in	441 mm	17 in
7 Height – Top of Load (SAE 2:1)	3628 mm	143 in	3834 mm	151 in	3424 mm	135 in	3920 mm	154 in
8 Length – Maximum Overall Length	11 620 mm	457 in	11 680 mm	460 in	11 535 mm	454 in	12 125 mm	477 in
9 Length – Overall Body Down	11 196 mm	441 in	11 196 mm	441 in	11 196 mm	441 in	11 325 mm	446 in
10 Length – Front Axle to Front Bumper	3720 mm	146 in	3720 mm	146 in	3720 mm	146 in	3720 mm	146 in
11 Length – Front Axle to Hitch	1920 mm	76 in	1920 mm	76 in	1920 mm	76 in	1920 mm	76 in
12 Length – Wheel Base	5570 mm	219 in	5570 mm	219 in	5570 mm	219 in	5570 mm	219 in
13 Length – Rear Axle to Tail	1906 mm	75 in	1906 mm	75 in	1906 mm	75 in	2035 mm	80 in
14 Length – Rear Wheel To Raised Body	1275 mm	50 in	1275 mm	50 in	1275 mm	50 in	1835 mm	72 in
15 Width – Overall Tire	3020 mm	119 in	3020 mm	119 in	3020 mm	119 in	3020 mm	119 in
16 Width – Machine with Body	3020 mm	118 in	3200 mm	126 in	3020 mm	118 in	3200 mm	126 in
17 Width – Machine without Body	3020 mm	119 in	3020 mm	119 in	3020 mm	119 in	3020 mm	119 in
18 Recommended Clearance Width*	4500 mm	177 in	4500 mm	177 in	4500 mm	177 in	4500 mm	177 in
19 Recommended Clearance Height*	4500 mm	177 in	4500 mm	177 in	4500 mm	177 in	4500 mm	177 in

*Clearance dimensions are for reference only.

**Measurement taken with tailgate down for ejector body.

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

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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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(Global)

