



# Cat<sup>®</sup> R2900

## Underground LHD Loader

- Four Bucket Sizes Available to Match Your Material Density and Meet a Range of Loading, Hauling and Dumping Conditions
- Full Range of Cat<sup>®</sup> GET Offering to Achieve Best Productivity while Maximizing Bucket Life
- Optional New Door Latch Monitoring System to Protect Operator
- New Info Display Screen in Cab for EU Stage V Emission Model
- New Product Link™ Elite (PLE) System to Replace VIMS for Machine Health Monitoring
- MXZ Lite Retrofittable
- Optional Rearview Camera Enhances the Operator's Visibility
- Continuous Focus on Operator's Safety and Comfort including ROPS/FOPS Cabin with Ergonomic Layout, Operator Present System and Interior and Exterior Safety Details
- Multiple Emission Options (Three Engines + Aftertreatment Solutions)
- High Efficiency Radiator as Optional Cooling Package
- New Remote Mounted Transmission Coolers



- T/C Lock-Up Clutch to Increase Speed on Grade and Improve Fuel Economy
- Optional Ride Control System Smooths out the Ride on Uneven Ground
- Optional 2nd Steering System for Consistent Machine Response
- Leverages R1700 Heavy Structure Design (Rear) to Further Enhance Long-Term Durability
- Better Component Positioning and Uses Light/Modular Structure Philosophy for Easy Service
- Single Bolt in Fuel Tank with Ground Level Access
- Optional New Bolt-On Brake Release System (Recovery Hook)
- Optional ANSUL Wet Fire Suppression System

### Overview

- **Availability:** From 2019
- **Regions:** All
- **To Order:** Contact your local dealer for more information

### R2900 EU Stage V – Better Air, Better Life

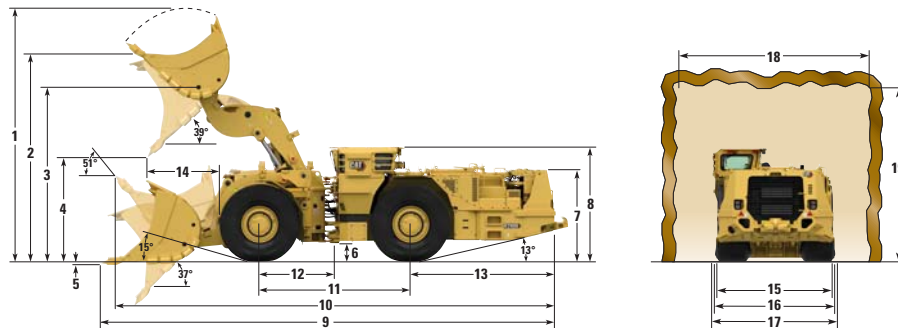
- Designed for Maximum Power and Durability in the Most Demanding Underground Mining Applications
- Technology Ready to Monitor the HEALTH or to Operate Remotely from a Safe Distance with Selection of Automation Options
- Meets the Strictest Industrial Emission Control Standards (EU Stage V)



# Cat® R2900 Underground LHD Loader

Engine		
Engine Model	Cat C15	
Gross Power – VR Engine – ISO 14396	305 kW	409 hp
Gross Power – Tier 3/Stage IIIA Equivalent Engine – ISO 14396	305 kW	409 hp
Gross Power – Stage V/Tier 4 Final Equivalent Engine – ISO 14396	293 kW	393 hp

Operation Specifications		
Rated Payload	17 200 kg	37,320 lb
Gross Machine Mass	73 816 kg	162,736 lb
Static Tipping Load Straight Ahead, Lift Arms Horizontal	42 686 kg	94,107 lb
Static Tipping Load Full Turn, Lift Arms Horizontal	36 599 kg	80,687 lb
Breakout Force – Lift	22 704 kg	50,062 lb
Breakout Force – Tilt	27 346 kg	60,298 lb



## Dimensions (All dimensions are approximate.)\*

	249-4899		249-4892		249-4893		303-8806	
	Dump Bucket (STD)	Dump Bucket	Dump Bucket	Dump Bucket	Dump Bucket	Dump Bucket	Dump Bucket	Dump Bucket
Bucket Capacity	7.2 m <sup>3</sup>	9.4 yd <sup>3</sup>	8.3 m <sup>3</sup>	10.9 yd <sup>3</sup>	8.9 m <sup>3</sup>	11.6 yd <sup>3</sup>	6.3 m <sup>3</sup>	8.2 yd <sup>3</sup>
Bucket Width over Cutting Edge	3044 mm	120 in	3144 mm	124 in	3344 mm	132 in	3028 mm	119 in
1 Height – Maximum Bucket Raised	6179 mm	243 in	6215 mm	245 in	6215 mm	245 in	5998 mm	236 in
2 Height – Maximum Dump	5405 mm	213 in	5405 mm	213 in	5405 mm	213 in	5400 mm	213 in
3 Height – Maximum Lift Bucket Pin	4521 mm	178 in	4521 mm	178 in	4521 mm	178 in	4521 mm	178 in
4 Height – Dump Clearance at Maximum Lift	2836 mm	112 in	2699 mm	106 in	2688 mm	106 in	2835 mm	112 in
5 Height – Digging Depth	75 mm	3 in	90 mm	4 in	90 mm	4 in	75 mm	3 in
6 Height – Ground Clearance	447 mm	18 in	447 mm	18 in	447 mm	18 in	447 mm	18 in
7 Height – Top of Hood	2300 mm	91 in	2300 mm	91 in	2300 mm	91 in	2300 mm	91 in
8 Height – Top of ROPS	2873 mm	113 in	2873 mm	113 in	2873 mm	113 in	2873 mm	113 in
9 Length – Overall (Digging)	11 384 mm	448 in	11 582 mm	456 in	11 599 mm	457 in	11 384 mm	448 in
10 Length – Overall (Tramming)	11 055 mm	435 in	11 179 mm	440 in	11 189 mm	441 in	11 055 mm	435 in
11 Length – Wheelbase	3780 mm	149 in	3780 mm	149 in	3780 mm	149 in	3780 mm	149 in
12 Length – Front Axle to Hitch	1890 mm	74 in	1890 mm	74 in	1890 mm	74 in	1890 mm	74 in
13 Length – Rear Axle to Bumper	3678 mm	145 in	3678 mm	145 in	3678 mm	145 in	3678 mm	145 in
14 Length – Reach	1656 mm	65 in	1803 mm	71 in	1817 mm	72 in	1656 mm	65 in
15 Width – Overall Tire	2915 mm	115 in	2915 mm	115 in	2915 mm	115 in	2915 mm	115 in
16 Width – Machine without Bucket	3047 mm	120 in	3047 mm	120 in	3047 mm	120 in	3047 mm	120 in
17 Width – Machine with Bucket	3176 mm	125 in	3276 mm	129 in	3476 mm	137 in	3176 mm	125 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

\*Dimensions Use Standard Bucket and Basic GETs

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)

© 2019 Caterpillar  
All rights reserved

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

CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Yellow," the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

AEXQ2534 (06-2019)

Build Number: 08A

(Worldwide)

