



Cat[®] D8R

Track-Type Tractor

The Cat[®] D8R dozer has always been designed to bring you the best in productivity, durability and ease of maintenance. The latest generation D8R brings new features to help you be even more productive, even in the harshest conditions. A proven power train, increased cooling capacity and a larger blade help you move more material, while a choice of Cat Connect GRADE technology options help you get more work done in less time.

Productivity

- Added productivity and up to 10 percent fuel savings, delivering up to 18 percent better dozing efficiency.¹
- Move up to 13 percent more material per pass with the largest standard blade in the size class (10.3 m³).
- Keep working, even in high temperatures, with increased cooling capability.¹ Push in second gear for more dozing productivity.
- Save fuel with a hydraulic demand fan that reduces speed in cooler conditions. Optional reversing capability for high debris conditions.
- Auto Shift automatically down shifts to the most efficient gear based on load, adding to overall fuel savings.

Performance

- Cat C15 ACERT[™] engine delivers more horsepower,¹ with more than a decade of proven reliability in a wide range of working conditions.
- More efficient power train, hydraulic fan and new radiator increase ambient capability up to 23 percent.¹
- Purpose-built Desert Arrangement includes added cooling performance and more protection for working in extremely sandy or abrasive conditions.
- Optional cab-mounted air conditioning condenser supports better system performance, improved engine cooling and serviceability.
- Easier maintenance access with wider engine panel doors and optional bottom guard access panels.

Ease of Operation

- Optional electro-hydraulic controls reduce operator effort, improve precision and response, and enable Cat Connect GRADE technologies.
- New optional Liquid Crystal Display (LCD)² places machine data, settings menus, grade control data and more conveniently in front of the operator.
- LCD display is rear-camera-ready for added safety.

Cat Connect Technologies

- **Cat Slope Indicate** (■) displays real-time machine cross-slope and fore/aft orientation on the primary monitor, helping operators work more accurately on slopes.
- Automatically maintain established blade slope with **Cat GRADE with Slope Assist** (●). Finish jobs faster, with better surface quality and significantly less operator effort. No additional hardware required.
- Versatile, scalable **Cat AccuGrade**[™] (●) is a dealer-installed grade control system. Choice of Laser, Global Navigation Satellite System (GNSS) or Universal Total Station (UTS) so you get the right level of accuracy to match your job requirements.
- Remote monitoring with Product Link[™]/VisionLink[®] helps you manage your fleet more effectively and profitably.²

(■) – Standard – with electro-hydraulic controls

(●) – Optional – requires electro-hydraulic controls

¹ Compared to previous model D8R.

² Not available in all areas. Please consult your Cat dealer.



Cat® D8R Track-Type Tractor

Engine	
Engine Model	Cat C15 ACERT
Emissions	Meets U.S. EPA Tier 3/EU Stage IIIA equivalent, U.S. EPA Tier 2/EU Stage II equivalent or China Nonroad Stage III emission standards
Engine Power – 1,600 rpm	
SAE J1995 (Gross)	273 kW
ISO 14396	269 kW
ISO 14396 (DIN)	365 hp
Engine Power – 1,900 rpm	
ISO 9249/SAE J1349	242 kW
ISO 9249/SAE J1349 (DIN)	328 hp
Displacement	15.2 L

Weights	
Operating Weight	
Standard	38 351 kg
LGP	36 763 kg
Shipping Weight	
Standard	29 553 kg
LGP	30 506 kg

Service Refill Capacities	
Fuel Tank	600 L
Cooling System	62 L
Engine Crankcase*	38 L
Power Train	155 L
Final Drives (each)	12.5 L
Roller Frames (each)	65 L
Pivot Shaft Compartment	40 L
*With oil filters.	

Transmission	
1 Forward	3.4 km/h
2 Forward	6.1 km/h
3 Forward	10.6 km/h
1 Reverse	4.5 km/h
2 Reverse	8.0 km/h
3 Reverse	14.2 km/h

Blades		
Blade	Capacity (SAE J1265)	Width (over end bits)
8SU	10.3 m ³	4041 mm
8U	11.7 m ³	4267 mm
8A	4.7 m ³	4990 mm
8SU LGP	9.9 m ³	4542 mm

Dimensions			
	Standard	Non-Suspended	LGP
Width of Tractor without Trunnions (Standard Shoe)	2743 mm	2743 mm	3311 mm
Machine Height (ROPS/FOPS Cab)	3488 mm	3488 mm	3488 mm
Length of Track on Ground	3207 mm	3258 mm	3207 mm
Overall Length of Basic Tractor	4647 mm	4647 mm	4647 mm
With the Following Attachments, add:			
Ripper Single Shank	1519 mm	1519 mm	N/A
Ripper Multi Shank	1613 mm	1613 mm	N/A
SU Blade	1844 mm	1844 mm	1844 mm
U Blade	2241 mm	2241 mm	N/A
A Blade (not angled)	2027 mm	2027 mm	N/A
A Blade (angled 25 degrees)	3068 mm	3068 mm	N/A
Drawbar	406 mm	406 mm	406 mm
Height of Grouser	78 mm	78 mm	78 mm
Ground Clearance	613 mm	606 mm	613 mm
Ground Pressure (ISO 16754)	86.4 kPa	86.4 kPa	52.3 kPa

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