



Cat[®] D5R2

Track-Type Tractor

The Cat[®] D5R2 bulldozer gives you the power you need for earthmoving with the precision and maneuverability you want for fine grading. Well known Cat dozer features like differential steering and elevated sprocket are joined with a new cab and optional GRADE technology features to give you world-class performance and ease of operation.

Ease of Operation

- Quiet cab, with an integrated Roll Over Protection Structure (ROPS) and 15° offset seat for greater all around visibility, enhanced safety and productivity.
- Work more precisely with single twist tiller control for direction/gear selection.
- Optional electro-hydraulic controls on VPAT dozers aid response and maneuverability and enable GRADE technologies.
- Save fuel, increase productivity with optional AutoShift mode – automatically downshifts for greatest efficiency.
- Optional bi-directional control allows the operator to dial to preselected forward/reverse gears for reduced operator effort and improved efficiency.

Performance

- Cat C7.1 ACERT™ engine gives you the power you need to doze through tough material.
- Independent pumps provide simultaneous blade response and steering performance – greater precision and maneuverability.
- Larger fan, updated aluminum bar plate cooling system with wide fin spacing for excellent cooling capability in high ambient conditions.
- Forestry, landfill and cold weather arrangements offer added features and guarding to take on especially harsh environments.

Cat Connect Technology

- Optional¹ GRADE technology features help operators of all experience levels get more work done in less time.
- Automatically maintain established blade angle with **Cat GRADE with Slope Assist™**. Finish jobs faster, with better surface quality and significantly less operator effort. No external hardware or GPS signal required.
- **Cat Stable Blade** complements the operator's blade-control input for attaining finish grades quicker with less effort.
- **Cat Slope Indicate²** displays machine cross-slope and fore/aft orientation on the primary monitor, helping operators work more accurately on slopes.
- 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.
- Factory equip your dozer for easy installation of an AccuGrade system with the **AccuGrade Ready Option (ARO)**.
- Manage your fleet more effectively and profitably with Product Link™/VisionLink[®] remote monitoring.*

Serviceability

- Convenient regular maintenance due to grouped service points, sight gauges, and easy engine compartment access.
- High efficiency fuel filters with water-in-fuel sensors add to fuel system robustness.
- Fuel system up to B20 (biodiesel fuel) compatible.
- Air conditioning condenser mounted externally on the back of the cab for better system performance, plus improved engine cooling and serviceability.

¹ Available on VPAT dozers with electro-hydraulic controls.

² Includes optional digital cab display monitor.

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



Cat® D5R2 Track-Type Tractor

Engine		
Engine Model	Cat C7.1 ACERT	
Emissions	Meets China Nonroad Stage III emission standards, equivalent to U.S. EPA Tier 3/EU Stage IIIA	
Engine Power (maximum)		
SAE J1995	141 kW	189 hp
ISO 14396	139 kW	187 hp
ISO 14396 (DIN)	189 hp	
Net Power (rated)	Rated 2,200 rpm	
ISO 9249/SAE J1349	114 kW	153 hp
ISO 9249/SAE J1349 (DIN)	155 hp	
Net Power (maximum)		
ISO 9249/SAE J1349	130 kW	174 hp
ISO 9249/SAE J1349 (DIN)	177 hp	
Bore	105 mm	
Stroke	135 mm	
Displacement	7.1 L	

Service Refill Capacities	
Fuel Tank	299 L
Cooling System	30 L
Engine Crankcase	15.5 L
Power Train	160 L
Final Drives (each)	7 L
Hydraulic Tank	29.5 L

Transmission	
1.0 Forward	3.3 km/h
1.5 Forward*	4.2 km/h
2.0 Forward	5.8 km/h
2.5 Forward*	7.3 km/h
3.0 Forward	10.1 km/h
1.0 Reverse	4.2 km/h
1.5 Reverse*	5.2 km/h
2.0 Reverse	7.3 km/h
2.5 Reverse*	7.3 km/h
3.0 Reverse	12.5 km/h

*With optional AutoShift selected.

Weights		
	Operating	Shipping
D5R2 XL (VPAT)	16 032 kg	14 714 kg
D5R2 XL (SU)	16 119 kg	13 862 kg
D5R2 XL (A)	17 003 kg	15 351 kg
D5R2 LGP (VPAT)	18 504 kg	16 999 kg

Blades		
	Capacity (SAE J1265)	Width
SU XL	4.28 m ³	3154 mm
A XL	3.18 m ³	4165 mm
VPAT XL	3.18 m ³	3272 mm
VPAT LGP	3.16 m ³	4080 mm

Dimensions – Approximate					
	XL	LGP		XL	LGP
Tractor Gauge	1890 mm	2160 mm	With following attachments, add:		
Width of Tractor			SU – Blade	1546 mm	N/A
Over Trunnions	2640 mm	3279 mm	A – Blade (straight/angled 25 degrees)	1450 mm/2303 mm	N/A
Without Trunnions (standard shoe width)	2490 mm	3000 mm	VPAT – Blade (straight/angled 25 degrees)	1343 mm/1965 mm	1249 mm
Machine Height (from tip of grouser)			Rear Drawbar	192 mm	148 mm
Exhaust Stack	2979 mm	3083 mm	Multi-Shank Ripper (tip at ground level)	1230 mm	1190 mm
ROPS (cab or canopy)	3086 mm	3200 mm	Grouser Bar Height	66 mm	57 mm
Length of Track on Ground	2611 mm	3113 mm	Ground Clearance	394 mm	507 mm
Length of Basic Tractor	3480 mm	4017 mm	Drawbar Height (grouser tip to center of clevis)	621 mm	725 mm

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

© 2017 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, 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.

VisionLink is a trademark of Trimble Navigation Limited, registered in the United States and in other countries.

AEXQ1662-02 (06-2017)
Replaces AEXQ1662-01

