



Cat[®] D5R2

Track-Type Tractor

Ease of Operation

- Updated cab, with an integrated Roll Over Protection Structure (ROPS) and 15° offset seat, gives operators greater all around visibility to enhance safety and productivity.
- Quiet interior, with improved cab pressurization, helps keep dust out for a cleaner operating environment.
- Redesigned instrument panel is easy to read.
- Single twist tiller control for direction/gear selection supports ease of operation and helps the operator work more precisely in close areas.
- Pilot hydraulic implement controls offer low operator lever effort and more consistent, precise and responsive operation for machines fitted with Semi-Universal (SU) and Angle (A) blades.
- New Variable Power Angle Tilt (VPAT) blade with electro-hydraulic controls (available mid-2016) allows you to hydraulically adjust lift, angle and tilt for more precise results. VPAT blades offer greater versatility and can be angled for easier transport.
- Electronically controlled planetary power shift transmission enables smoother shifting.
- Optional AutoShift mode gives you two additional gear speeds and enables the machine to automatically down shift to the most efficient gear based on load. Helps save fuel and increase productivity.
- Optional bi-directional control allows the operator to dial to preselected forward/reverse gears for reduced operator effort and improved efficiency.

Performance

- Cat[®] 7.1 ACERT[™] engine gives you the power you need to doze through tough material.
- Differential steering increases the speed of one track while slowing the other one down to give you exceptional turning, even with a full blade load.
- Two-pump hydraulic system means you can count on simultaneous blade response and steering performance. This gives you more precision and maneuverability that is especially beneficial when working in close quarters or land clearing.

- Load sensing hydraulics, with variable displacement piston pump, continuously adjusts hydraulic power to maximize your efficiency.
- A larger fan and updated aluminum bar plate cooling system, with wide fin spacing, is more efficient than the previous model for better cooling capability in high ambient conditions.
- Forestry, landfill and cold weather arrangements offer added features and guarding to take on especially harsh environments.

Durability

- Caterpillar elevated sprocket design isolates final drives from ground induced impacts.
- Choose XL or LGP configuration to best match conditions and applications.
- Choice of heavy duty or SystemOne[™] undercarriage to optimize for your application.
- High efficiency fuel filters with water-in-fuel sensors add to fuel system robustness.
- Fuel system up to B20 (biodiesel fuel) compatible.
- LED lights offer better performance and durability.

Serviceability

- Air conditioning condenser is now mounted externally on the back of the cab for better system performance, plus improved engine cooling and serviceability.
- Features like grouped service points, sight gauges, and easy engine compartment access help make regular maintenance faster and more convenient.
- Optional high speed oil change system enables contamination free and time saving service of engine and power train oil.
- Remote monitoring with Product Link[™]/VisionLink[®] helps owners manage their fleet more effectively and profitably.*
- Certified Rebuild* and Remanufacturing* options to help you save on lifetime owning and operating costs.

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



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Engine		
Engine Model	Cat C7.1 ACERT	
Emissions	Meets China Nonroad III emission standards, and U.S. EPA Tier 3/ EU Stage IIIA equivalent emission standards	
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

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

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 m³	3154 mm
A XL	3.18 m³	4165 mm
VPAT XL	3.18 m³	3272 mm
VPAT LGP	3.16 m³	4080 mm

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