



# Cat<sup>®</sup> D7E

## Track-Type Tractor

***The Cat<sup>®</sup> D7E dozer features an innovative diesel-electric power train that helps you save money by getting more work done while using significantly less fuel. Electric drive gives you the power you need for dozing, along with the smooth operation and agile maneuverability suited to a wide variety of applications. The new D7E meets U.S. EPA Tier 4 Final/EU Stage IV/Japan 2014 (Tier 4 Final) emission standards.***

### Efficiency

- Up to 30% more fuel efficient than the D7R2.
- Productive – moves 10% more material per hour.\*
- Better fuel economy plus greater productivity means you can move up to 35% more material per gallon/liter of fuel.\*
- Fewer moving parts, less fuel and fluid and longer service intervals help reduce lifetime owning and operating costs.\*

### Technology

- Standard Stable Blade Control complements operator input to automatically make instantaneous adjustments for smoother grading results with less effort.
- When in use, Economy Mode automatically adjusts engine speed when machine is not under load to save you fuel.
- Cat AccuGrade™ machine control and guidance option helps operators improve productivity and accuracy by as much as 50% over conventional methods.
- Remote monitoring with Product Link™/VisionLink® helps you manage your fleet more effectively and profitably.

\*Compared to previous D7R2 model

### Sustainability

- Since the D7E's introduction, customers worldwide have saved more than 12.2 million liters (3.2 million gallons) of diesel fuel.\*
- Efficient use of Diesel Exhaust Fluid (DEF) – typically 2-2.5 percent of fuel consumption – gives you excellent overall fluid efficiency.
- Built to be rebuilt – saving you money and conserving resources.

### Ease of Operation

- Emissions technology is transparent – no action required from the operator, no stopping for regeneration.
- Traction Control reduces track slip for improved productivity, more fuel efficiency and reduced undercarriage wear.
- Ergonomic controls with no gears to shift.
- Quiet, spacious cab with center-post design for greater comfort and outstanding visibility.
- New heated/ventilated seat option.
- New seat belt indicator registers fault code through Product Link if the operator fails to buckle up, enhancing job site safety.
- New in-cab main fall/cross slope display shows you real-time grade percentage during slope work.



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Engine		
Engine Model	Cat C9.3 ACERT™	
Global Emissions	U.S. EPA Tier 4 Final/ EU Stage IV/ Japan 2014 (Tier 4 Final)	
Net Power (Rated) – 1,700 rpm		
ISO 9249/SAE J1349	178 kW	238 hp
ISO 9249/SAE J1349 (DIN)	241 hp	
Net Power (Maximum) – 1,450 rpm		
ISO 9249/SAE J1349	187 kW	251 hp
ISO 9249/SAE J1349 (DIN)	254 hp	
Displacement	9.3 L	567 in <sup>3</sup>
<ul style="list-style-type: none"> <li>All non road U.S. EPA Tier 4, EU Stage IIIB and IV, and Japan 2011 and 2014 (Tier 4 Interim and Tier 4 Final) diesel engines are required to use only Ultra Low Sulfur Diesel (ULSD) fuels containing 15 ppm (mg/kg) sulfur or less. Biodiesel blends up to B20 (20% blend by volume) are acceptable when blended with 15 ppm (mg/kg) sulfur or less ULSD. B20 should meet ASTM D7467 specification (biodiesel blend stock should meet Cat biodiesel spec, ASTM D6751 or EN 14214). Cat DEO-ULS™ or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specification are required. Consult your OMM for further machine specific fuel recommendations.</li> <li>DEF used in Cat Selective Catalytic Reduction (SCR) systems must meet the requirements outlined in the International Organization for Standardization (ISO) standard 22241.</li> <li>The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.2 kg of refrigerant which has a CO<sub>2</sub> equivalent of 1.716 metric tonnes.</li> </ul>		

Blades				
	Width (over end bits)		Capacity	
	7S	3904 mm	12.81 ft	5.16 m <sup>3</sup>
7SU	3713 mm	12.18 ft	6.86 m <sup>3</sup>	8.98 yd <sup>3</sup>
7U	3988 mm	13.08 ft	8.34 m <sup>3</sup>	10.91 yd <sup>3</sup>
7A Straight	4503 mm	14.77 ft	5.15 m <sup>3</sup>	6.74 yd <sup>3</sup>
7A Angled 25°	4120 mm	13.52 ft	—	—
7S LGP	4545 mm	14.91 ft	5.89 m <sup>3</sup>	7.7 yd <sup>3</sup>

Dimensions				
	STD		LGP	
	Width of Tractor (without trunnions, standard shoes)	2591 mm	102 in	3200 mm
Machine Height (to ROPS)	3392 mm	134 in	3392 mm	134 in
Length of Track on Ground	3016 mm	119 in	3450 mm	136 in
Length of Basic Tractor*	4608 mm	181 in	4608 mm	181 in
Ground Clearance	472 mm	18.6 in	472 mm	18.6 in
Ground Pressure	69.3 kPa	10.0 psi	43.8 kPa	6.3 psi
*Add 270 mm (10.6 in) for drawbar. Add 1391 mm (55 in) for multi-shank ripper.				

Service Refill Capacities		
Fuel Tank	409 L	108 gal
DEF Tank	17.5 L	4.6 gal
Cooling System	87 L	22.5 gal
Engine Crankcase	30 L	8 gal
Power Train	60 L	16 gal
Final Drives (each)	28 L	7 gal
Final Drives (LGP each)	34 L	9 gal
Pivot Shaft Compartment	7 L	1.8 gal
Hydraulic Tank	76 L	20 gal

Weights		
Operating Weight		
STD	25 975 kg	57,264 lb
LGP	28 200 kg	62,169 lb
Shipping Weight		
STD	21 883 kg	48,243 lb
LGP	24 120 kg	53,174 lb

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