



Cat[®] D8T

Track-Type Tractor

The new Cat[®] D8T dozer increases your dozing productivity up to 18 percent without using more fuel. This means you can move more material in less time, at a lower cost per ton, so you get a faster payback on your equipment investment. The new bulldozer offers unprecedented ease of operation as well. A new Caterpillar designed, smooth shifting, fully automatic 4-speed transmission makes it easy for operators of all experience levels to achieve optimal productivity and efficiency without having to manage gear shifts. Factory integrated GRADE technology options help you get quality work done even faster, from first pass to finish grade, while relying less on operator input.

More Productivity without Burning More Fuel

- Move up to 18 percent more material per hour without burning more fuel in most applications.
- Save up to 11 percent fuel in lighter applications.
- Fully automatic 4-speed powershift transmission optimizes the dozer for maximum productivity and efficiency.
- 19 percent larger Semi-Universal (SU) blade helps you move more material per pass.
- New transmission puts up to 13 percent more drawbar power to the ground.
- 10 percent increase in steering torque, fully automatic transmission and differential steering combine to give you best-in-class steering performance under load.
- Optional Performance Cutting Edges increase blade payload by up to 25 percent.

Comparisons to previous D8T model.

Easy to Operate

- Fully automatic 4-speed transmission – just select desired ground speed and the tractor will automatically manage settings for maximum efficiency and power based on load.
- No need to upshift/downshift – saves effort for experienced operators and helps newer operators maximize productivity more quickly.
- Added gear between first and second ensures seamless lock-up clutch engagement for exceptionally smooth shifting.
- All speed and turning input is packaged in a single hand control for easy operation – thumb wheel puts easy on-the-fly ground speed changes at your fingertips.
- Automatic Ripper Control and new rip-to-depth feature help reduce operator fatigue and machine wear and tear.

- Engine Idle Shutdown Timer shuts the machine down after a pre-set idling period to save fuel and reduce unnecessary idling time.
- Emissions reduction technology is designed to be transparent – regeneration runs automatically in the background while you work.
- New cab display is common with other Cat dozers and serves as the rear vision camera screen.
- Updated cooling system design improves cab air conditioning so you can work in greater comfort.

Cat Connect Technology

- Hit target grade faster and more accurately with Cat Connect GRADE technologies. Finish jobs in fewer passes, and with less operator effort, saving you time and helping to increase your profit.
- Cat GRADE with Slope Assist[™] is a factory-integrated 2D option that helps you automatically maintain pre-established blade position without a GPS signal. (Single Tilt machines only.)
- Cat GRADE with 3D is a factory-integrated grade control option that helps you improve grading efficiency, accuracy and productivity.
 - Automates blade movements in both fine grading and production dozing applications, reducing operator inputs by as much as 80 percent.
 - Antennas on top of the cab eliminate blade masts and cables.
 - Reduces need for grade checkers and staking, enhances safety and reduces labor costs.
- Cat Slope Indicate is standard, showing machine cross-slope and fore/aft orientation right on the main display, to help you work more accurately on slopes.
- Auto Blade Assist lets you preset load, carry and spread blade positions to reduce operator inputs.
- AutoCarry[™] helps you maintain blade loads and reduce track slip; works seamlessly with GRADE with 3D.



Cat® D8T Track-Type Tractor

- Automatic Ripper Control monitors tractor speed and automatically adjusts the engine speed and ripper depth to minimize track slip.
- Factory ARO option provides optimal mounting locations, brackets, and hardware to simplify installation of an aftermarket grade control system.
- Product Link™/VisionLink® connects you to your equipment, providing access to machine data such as location, hours, fuel consumption, idle time, events, and diagnostic codes.
- *My.cat.com* gives you access to Preventive Maintenance schedules, parts and service records, warranty coverage and more – with a single login. Plus, you can link directly to your VisionLink account.
- COMMAND for Dozing offers remote control operation for enhanced safety and greater productivity, utilizing either line-of-sight or remote operator station.

Reduced Maintenance Time and Cost

- High quality cartridge fuel filters are purpose-built to help keep your fuel system clean and extend injector life.
- High debris engine filter (optional) has a pleated design for less plugging – especially ideal for waste, wood chip, and other fine debris applications.
- Optional Powered Bottom Guards help reduce downtime for maintenance and enhance safety. Simply remove bolts and press the remote switch to open doors from the center for quick clean-out, or from one side for full access.
- Reduce cost, add versatility with rear implement valves that accommodate either a ripper or hydraulic winch with no changes and no trade-off in performance.
- Programmable, automatic reversing fan is now standard for greater machine value at no added cost.
- Larger one-piece oil pan doubles engine oil service interval to 500 hours saving you time and parts cost.
- Features like grouped service points, ground level service center and modular transmission help make your daily maintenance and service tasks more convenient.
- Remote Flash allows for select software updates to be made remotely via Product Link on eligible machine models, saving you time and service call expense.

Built for Long Life

- More robust structures provide the added durability to handle the increased weight and productivity.
- Caterpillar exclusive Elevated Sprocket undercarriage gives you an added edge in machine balance, component durability and ease of service.
- Heavy Duty Extended Life undercarriage, HDXL with DuraLink™, is designed to help reduce your operating costs with heavier bushings for up to 25 percent more wear life, especially in high abrasion conditions.
- Blades are designed for durability with high tensile strength steel, strong box-section design, heavy moldboard construction and hardened bolt-on cutting edges/end bits.
- Special machine arrangements are equipped from the factory for performance and longer life in harsh applications like landfill, transfer station and stock pile applications.
- Major structures and components are built to be rebuilt, reducing waste, driving down lifetime operating cost, and extending the profitability cycle over more machine life.

Safety

- Rear vision camera and cylinder mounted mirror options are available to enhance your visibility around the machine.
- Convenient steps, handles and guardrail help you get on and off the tractor with greater ease.
- Access lighting can be turned on from a ground level switch.
- Seat belt indicator enhances safety by reminding you to buckle up with a light/alarm.
- Electronic fluid level verification at startup saves you time and reduces trips up and down from the cab to inspect compartments.
- Standard Operator Presence detection system allows the machine to idle when the operator is not seated, but locks out the power train and front implements to avoid unintentional movement.

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional		Standard	Optional
OPERATOR ENVIRONMENT			HYDRAULICS		
ROPS/FOPS, sound suppressed cab	✓		Independent steering and implement pumps	✓	
Cloth air suspension seat with adjustable armrests	✓		Ripper or winch hydraulics		✓
Heated cloth seat or heated ventilated seat		✓	ELECTRICAL		
Touchscreen operator interface	✓		Six-light package	✓	
Radio, AM/FM, Bluetooth®	✓		Premium light package		✓
Access/egress lighting with shutdown timer	✓		24V to 12V converter	✓	
Single pane cab glass	✓		SERVICE AND MAINTENANCE		
Dual pane glass		✓	Hinged bottom guards	✓	
Rearview camera		✓	Powered bottom guards		✓
CAT CONNECT TECHNOLOGY			Diagnostic connector	✓	
Grade Control Ready	✓		Engine compartment service light	✓	
Cat Slope Indicate	✓		Ground level service center with hour meter	✓	
Cat GRADE with Slope Assist		✓	Power train oil ecology drains		✓
Cat GRADE with 3D		✓	S-O-S SM sampling ports	✓	
ARO		✓	ATTACHMENTS		
AutoCarry/AutoRip/Auto Blade Assist		✓	Ripper: single shank, single shank with pin puller or multi-shank		✓
COMMAND for Dozing		✓	Sweeps		✓
POWER TRAIN			Rear screen		✓
Fully automatic 4-speed transmission	✓		Winch		✓
Auto engine idle shutdown	✓		BLADES: STANDARD OR LGP		
Auto reversing fan	✓		Semi-Universal		✓
Extreme service brakes		✓	Universal		✓
High debris radiator	✓		Angle blade		✓
High speed oil change		✓	Landfill		✓
Precleaner, basic or with screen		✓	Performance Cutting Edges		✓
Thermal wrapped engine		✓	Rock guard, wear plate, push plate		✓
UNDERCARRIAGE					
Positive Pin Retention undercarriage	✓				
610 mm (24 in) moderate service track shoes	✓				
Heavy Duty Extended Life undercarriage		✓			
Track shoes – moderate service, extreme service, various widths		✓			
Carrier rollers – suspended		✓			

Cat® D8T Track-Type Tractor

Technical Specifications

Engine		
Engine Model	Cat C15 ACERT™	
Emissions	U.S. EPA Tier 4 Final/ EU Stage IV/ Korea Tier 4 Final	
Net Power (Rated) – 1,900 rpm		
ISO 9249/SAE J1349	264 kW	354 hp
ISO 9249/SAE J1349 (DIN)	359 hp	
Engine Power (Maximum) – 1,600 rpm		
ISO 14396	294 kW	394 hp
ISO 14396 (DIN)	400 hp	
Displacement	15.2 L	928 in ³

• All nonroad Tier 4 Final, Stage IV, and Korea Tier 4 Final diesel engines are required to use only Ultra Low Sulfur Diesel (ULSD) with 15 ppm (mg/kg) of sulfur or less, or up to B20 biodiesel blended with 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.

• Diesel Exhaust Fluid (DEF) used in Cat Selective Catalytic Reduction (SCR) systems must meet the requirements outlined in the International Organization for Standardization (ISO) standard 22241.

Service Refill Capacities		
Fuel Tank	627 L	165 gal
Diesel Exhaust Fluid Tank	24 L	6.3 gal

Air Conditioning System		
• The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 2.5 kg of refrigerant which has a CO ₂ equivalent of 3.575 metric tonnes.		

Dimensions						
	Standard		Non-Suspended		LGP	
Width of Tractor (without trunnions/standard shoe width)	2693 mm	106.0 in	2693 mm	106.0 in	3302 mm	130.0 in
Machine Height to ROPS** (to top of railing)	3566 mm	140.4 in	3575 mm	140.7 in	3566 mm	140.4 in
Length of Track on Ground	3206 mm	126.2 in	3258 mm	128.3 in	3206 mm	126.2 in
Length of Basic Tractor (tag link trunnion to tip of rear grouser)*	4647 mm	183.0 in	4647 mm	183.0 in	4647 mm	183.0 in
Ground Pressure	89.6 kPa	13.0 psi	89.6 kPa	13.0 psi	53.3 kPa	7.7 psi
Ground Clearance	613 mm	24.1 in	606 mm	23.8 in	613 mm	24.1 in

*Add the following measurements for attachments: Ripper (single shank) 1519 mm/59.8 in; Ripper (multi-shank) 1613 mm/63.5 in; Drawbar 406 mm/16.0 in; SU Blade 1844 mm/72.6 in; U Blade 2241 mm/88.2 in; A Blade (not angled) 2027 mm/79.8 in; A Blade (angled 25 degrees) 3068 mm/120.8 in.

**When Cat GRADE with 3D antennas are installed, overall machine height increases by approximately 82 mm/3.2 in.

	Blades					
	Capacity		Width Over Endbits		Height	
	m ³	yd ³	mm	ft	mm	ft
Semi-Universal (SU)*	10.3	13.4	4042	13.3	1747	5.7
SU with Performance Cutting Edges	10.3	13.4	3962	13.0	1747	5.7
Universal with Rock Guard, Wear Plate	11.8	15.4	4265	14.0	2012	6.6
Angle Blade	5.2	6.8	5043	16.5	1177	3.9
LGP SU Landfill	22.2	29.0	4543	14.9	2454	8.0

*Also with rock guard/wear plate or push plate.

• Additional blades available. Please consult your Cat dealer for details.

Operating Weights			
Standard (single shank ripper)	39 750 kg		87,600 lb
LGP (drawbar)	37 750 kg		83,200 lb
Waste Handler	39 650 kg		87,400 lb
LGP Waste Handler	41 850 kg		92,300 lb

Transmission					
Speed	km/h	mph	Speed	km/h	mph
1 Forward	3.5	2.2	1.5 Reverse	4.8	3
1.5 Forward	4.8	3	2.0 Reverse	6.4	4
2 Forward	6.6	4.1	2.5 Reverse	8.7	5.4
3 Forward	11.3	7	3.0 Reverse	11.8	7.3
Drawbar Pull	kN	lbf	Drawbar Pull	kN	lbf
1 Forward	659.2	148,200	2 Forward	366.1	82,300
1.5 Forward	490.8	110,350	3 Forward	205.8	46,250

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

© 2018 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.

AEXQ2355-01 (05-2018)
Replaces AEXQ2355
Build Number: 21A
(North America, Europe, ANZ, Turkey, Korea)

