



Cat[®] D8 GC

Track-Type Tractor

The Cat[®] D8 GC gives you performance and durability in a simple, economical dozer. Designed to take on everything from rocky terrain to desert sand to extreme cold, this bulldozer is easy to operate and delivers the straightforward service and maintenance you need.

Fits Your Business Needs

- Cost effective to own and operate – up to 10 percent lower owning cost compared to D8T.
- Choices like General Duty undercarriage and a simplified ripper offer lower initial purchase price options.
- Delivers the weight and horsepower you need for solid dozing and ripping performance.
- Equipped with the well-known Cat 3406C engine and mechanical transmission for power and ease of maintenance.

Because Uptime Counts

- Easy maintenance with widely available parts.
- Simple mechanical systems are easy to diagnose, maintain and repair, even in remote locations.
- Major components are modular for easy maintenance and repair access.
- Wide access doors and grouped service points save routine maintenance time.
- Individual radiator cores can be quickly replaced for ease of service.
- Exclusive new Cat hydraulic and power train oil filters offer extended service intervals to save you time and money.
- Product Link™ telematics* help simplify your maintenance by tracking machine location and service hours.

Built to Last

- Caterpillar designed power train components work as a system for reliability and performance.
- Durable, proven Cat 3-speed mechanical planetary power shift transmission.
- Heavy structures make for a robust machine that can stand up to high impact shock loads and twisting forces.
- Caterpillar elevated sprocket undercarriage protects the power train from shock loads.
- Suspended undercarriage provides a smooth ride and better traction in uneven terrain.

Hard Working

- Harness more power to the ground with a proven, Caterpillar exclusive torque divider.
- Differential steering maintains full power to both tracks for best-in-class turning, even with a full blade load.
- High drive design allows heavy components to sit low in the mainframe, resulting in a low center of gravity and excellent machine balance.
- Dedicated implement pump ensures hydraulic power when you need it.
- Proven Advanced Modular Cooling System (AMOCS) offers cooling capacity and air flow so you can work in the most demanding environments.



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Designed for Operator Productivity

- Choice of cab or canopy dozer, with Integrated Roll Over Protective Structure (ROPS/FOPS), for comfort, excellent visibility and added safety.
- Simple tiller bar control for direction and gear selection offers easy operation and precise control in close areas.
- Quiet cab interior, pressurized to help keep out dust for a cleaner operating environment.
- Easy-to-read analog display with machine health monitoring keeps operator informed about machine operating conditions.
- Added comfort with available cab air conditioning.
- Choose from three light packages, all with longer life, brighter LED bulbs to illuminate your work area.

Durability from the Ground Up

- Choose Heavy Duty undercarriage for aggressive, high-impact applications like logging/reforestation, side slopes and rocky conditions.
- General Duty undercarriage is available for low-to-moderate impact applications.
- General Duty and Heavy Duty components are interchangeable and Heavy Duty shoes can be installed on General Duty link assemblies to maximize flexibility to meet your needs.

Equipped for the Job

- Semi-Universal (SU) blade gives you the capacity you need for a wide variety of earthmoving jobs.
- Add an optional rock guard and wear plate to the blade for added durability and longer wear life.
- Rear attachment choices add versatility – choose single-shank ripper, rigid drawbar, rear counterweights or a dealer-installed winch.
- A fixed ripper provides a simplified, lower cost option.
- Choose a single-shank ripper with pin puller to enable shank position changes from the cab.

Desert/High Abrasion Package

- Equip your dozer with factory features designed to enhance machine performance in extremely sandy or abrasive underfoot conditions.
- Cooling system is designed for high debris environments, with easy access for cleanout.
- Specially coated fan and radiator help resist abrasion.
- Core protection grid.
- High ambient fluids package.
- Sealed bottom guard and added seals to help keep fine abrasive particles out of components.
- Optional wear plates can be replaced to give you longer blade life when working in abrasive conditions.

Cold Weather Capable

- For work in extreme cold, choose factory options for added starting capability and improved component performance in arctic temperatures.
- Cold weather batteries provide added cranking power.
- Arctic undercarriage and carrier rollers have cold weather seals for added protection.
- Arctic lubricant provides a thinner oil for better lubrication in extreme conditions.

All comparisons to D8T.

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

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
POWER TRAIN			ELECTRICAL		
Cat® 3406C DITA diesel engine	✓		Two Batteries – 12V each, 24V system	✓	
3F/3R speed powershift transmission	✓		Four Batteries – 12V each, 24V system		✓
4-planetary double reduction final drives	✓		Four Batteries – cold weather, 24V		✓
Precleaner	✓		12V Converter, 10 amp with outlet in cab	✓	
Turbine precleaner		✓	LED Lights – 4	✓	
Turbine precleaner with screen		✓	LED Lights – 6		✓
Fan speed – basic	✓		LED Lights – 10		✓
Fan speed – decrease		✓	HYDRAULICS		
Cooling fan	✓		Load sensing dozer (lift/tilt) hydraulics	✓	
Cooling fan – reversible		✓	Ripper (lift/pitch) hydraulics	✓	
Cooling fan – coated		✓	Independent steering and implement hydraulic pumps	✓	
Fuel priming pump	✓		SERVICE AND MAINTENANCE		
OPERATOR ENVIRONMENT			Sampling ports for engine oil, coolant, power train oil, hydraulic oil	✓	
Enclosed cab with integrated ROPS/FOPS	✓		High speed oil change system		✓
Canopy with integrated ROPS/FOPS		✓	BLADES		
Adjustable contour suspension cloth seat	✓		Semi-Universal (SU) blade	✓	
Vinyl seat		✓	Semi-Universal (SU) blade with rock guard and wear plate		✓
Adjustable armrest	✓		REAR ATTACHMENTS		
Retractable seatbelt, 76 mm (3 in) wide	✓		Single shank ripper		✓
Differential steering tiller bar with dual-twist control	✓		Single shank ripper – fixed link		✓
Electronic monitoring system	✓		Single shank ripper with pin puller		✓
Underhood air conditioning	✓		Multi-shank ripper		✓
No air conditioning		✓	Rear counterweight		✓
UNDERCARRIAGE			Additional counterweight		✓
Suspended undercarriage – Heavy Duty Positive Pin Retention (PPR)	✓		GUARDS		
Suspended undercarriage – General Duty		✓	Rear cab screen		✓
Suspended undercarriage – Heavy Duty Cold Weather		✓	Bottom guards	✓	
Sealed and lubricated track – 44 section positive pin retention (PPR)	✓		Bottom guards – heavy duty desert		✓
Extreme Service track shoes	✓		Fuel tank guard		✓
Moderate Service track shoes		✓	DOZER ARRANGEMENTS		
Lifetime lubricated track rollers and idlers	✓		Standard Arrangement	✓	
Hydraulic track adjusters	✓		Basic Arrangement		✓
Replaceable sprocket rim segments	✓		Desert Arrangement		✓
TECHNOLOGY PRODUCTS					
Product Link, Basic Cellular PL243	✓				
Product Link ready	✓				
Product Link, Cellular PL641		✓			
Product Link, Satellite PL631		✓			
No Product Link		✓			

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Technical Specifications

Engine			
Engine Model	Cat® 3406C DITA		
Emissions	Noncertified		
Build Number	18A		
Net Power (2,100 rpm)			
ISO 9249/SAE J1349	226 kW	303 hp	
ISO 9249/SAE J1349 (DIN)	307 mhp		
80/1269/EEC	226 kW	303 hp	
Fuel Tank	625 L	165 gal	

• Net power advertised is the power available at the flywheel when engine is equipped with a fan at maximum speed, air cleaner, muffler and alternator. Advertised power is tested per the specified standard in effect at the time of manufacture.

Weights			
Operating Weight			
D8 GC	37 557 kg	82,800 lb	
D8 GC Desert Arrangement	37 876 kg	83,502 lb	
Ground Pressure (ISO 16754)			
D8 GC	85.3 kPa	12.4 psi	
D8 GC Desert Arrangement	86.0 kPa	12.5 psi	

Blade			
Semi-Universal (SU)			
Capacity	8.7 m ³	11.4 yd ³	
Width	3812 mm	12.5 ft	

Dimensions			
Width of Standard Track Shoe	610 mm	24 in	
Shoes/Side	44		
Track Rollers per Side	8		
Ground Contact Area (ISO 16754)	3.91 m ²	6,060 in ²	
Track Gauge	2083 mm	82 in	
Width of Tractor (without trunnions)	2693 mm	106 in	
Machine Height to Top of Cab	3498 mm	137.7 in	
Length of Track on Ground	3206 mm	126.2 in	
Length of Basic Tractor (tag link trunnion to tip of rear grouser)	4625 mm	182 in	
With the Following Attachments Add:			
Single Shank Ripper (with tip at ground line)	1519 mm	59.8 in	
Multi-Shank Ripper (with tip at ground line)	1613 mm	63.5 in	
Drawbar	406 mm	16.0 in	
SU Blade	1844 mm	72.6 in	
Ripper Weight – Single Shank	4140 kg	9,119 lb	
Ripper Weight – Multi-Shank	4100 kg	9,031 lb	

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Build Number: 18A
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S Am [excluding Brazil])

