

D8

TRACK-TYPE TRACTOR



Net Power (1,900 rpm)

ISO 9249/SAE J1349 242 kW (325 hp)

ISO 9249 (DIN) 328 mhp

Operating Weight

Standard 38 834 kg (85,614 lb)

LGP 37 525 kg (82,728 lb)

Cat® C15 engine meets Brazil MAR-1, China Nonroad Stage III emission standards, equivalent to U.S. EPA Tier 3/EU Stage IIIA, or emits equivalent to China Nonroad Stage II/U.S. EPA Tier 2/EU Stage II



The Cat® D8 (formerly D8T) bulldozer helps you maximize your productivity, even in the harshest conditions.

The Cat C15 engine, combined with Auto Shift, means you get plenty of pushing power without sacrificing fuel efficiency.

THE CAT® D8

PUSHING YOUR PROFITS FORWARD



NEW NAME, SAME WORLD-CLASS PERFORMANCE

The update from D8T to D8 is part of an effort to make all Cat dozer model names simpler. The Cat dozer range has been renamed from smallest to largest – D1 to D11 – with one model per size class and no more series letter modifiers like “R,” “K” or “T.” While the name may be a little different, the D8 continues to deliver the productivity, efficiency and horsepower you need to help you make the most of your equipment investment.



**MOVE
MORE**



**FUEL
LESS**

POWER AND EFFICIENCY TO
MOVE MORE MATERIAL
PER LITRE/GALLON OF FUEL

EFFICIENT DOZING

Move more material at a lower cost. Proven power train and Auto Shift give you both power to the ground and fuel efficiency.

UP TO 13% MORE MATERIAL PER PASS

At 10.3 m³ (13.5 yd³), the Semi-Universal blade is the largest standard blade in the size class. Get more done in fewer passes.

EXTREME PERFORMANCE

Equip your dozer to get the job done in the toughest terrain or the most punishing temperatures.

*Comparisons to previous D8R (JR8/DWJ)
and D8T (MB8/JJ5) models.*



INNER STRENGTH

Rugged mainframe absorbs high impact shock loads and twisting forces. Pivot shaft design allows the machine to better follow ground contours for maximum traction and operator comfort.



RELIABLE POWER

Cat C15 engine brings you more than a decade of proven reliability in a wide range of working conditions. Auto Shift automatically down shifts to the most efficient gear based on load to save fuel.



ELEVATE YOUR PRODUCTIVITY

Harness more power to the ground with a planetary power shift transmission and high efficiency torque divider. Elevated sprocket helps protect major components from harsh impacts and provides a modular design for convenient service.



LEADING EDGE

Boost productivity up to 10 percent with optional Dual Tilt and Automated Blade Assist. Dual Tilt improves load control and helps optimize the blade pitch angle for better balance and productivity. Automated Blade Assist automates blade pitch for added operator efficiency.

Comparisons to previous D8R (JR8/DWJ) and D8T (MB8/JJ5) models.



BETTER RESPONSE

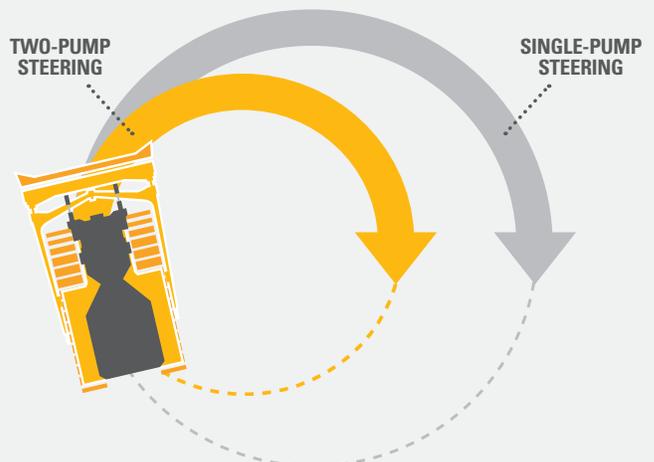
FINISH JOBS FASTER

Dedicated implement and steering pumps mean you can count on simultaneous blade response and steering performance.

This gives you precision and maneuverability, especially beneficial for working in close quarters or land clearing. Field-proven system senses load and continuously adjusts implement hydraulic power for maximum efficiency.

Differential steering gives you exceptional turning, even with a full blade load.

TURN TIGHTER WORK FASTER



**TWO-PUMP
HYDRAULICS**

BETTER TURNING + BLADE RESPONSE
MORE PRECISION
FASTER CYCLE TIMES

PUSHING POWER

Tag-link design mounts the blade closer to the machine for excellent maneuverability, balance and blade penetration. 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.

STAY ON TRACK

A fully suspended undercarriage provides more ground contact, especially in hard, uneven terrain. A Low Ground Pressure (LGP) undercarriage is available for improved flotation and traction in soft underfoot conditions.

VERSATILE ATTACHMENTS

Single- and multi-shank rippers are available. Single-shank ripper depth can be adjusted from the seat using an optional pin puller. Or outfit your dozer with a winch, drawbar or rear counterweight. Ask your Cat dealer for available options to suit your applications.



TOUGH ON THE JOB EASY ON OPERATORS

Step into a cab designed with your comfort and safety in mind. Integrated Roll Over Protection Structure (ROPS) offers excellent all-around visibility to enhance productivity.



FOCUSED ON OPERATORS

Quiet interior with improved pressurization helps keep dust out. Standard air suspension seat is adjustable for operator comfort. Pre-select forward/reverse gears with bi-directional control to save effort and improve efficiency.

TAKE CONTROL

Electro-hydraulic controls reduce operator effort, improve precision and response, and enable grade technologies. Use simple, single handle control for all directional changes and change gears up or down with the touch of a button.

STAY INFORMED

Liquid Crystal Display (LCD) is glare resistant and easy to read. Monitor machine operation, access machine/ implement settings and view machine diagnostics. Display is rear-camera-ready for added safety.

CAT EQUIPMENT MANAGEMENT TAKES THE GUESSWORK OUT OF MANAGING YOUR EQUIPMENT

Getting the most out of your equipment requires hundreds of decisions, every day. Cat Equipment Management gives you access to all the data you need to keep your equipment on the job site and earning money. You can track equipment location and hours, monitor machine use and health, then take informed action that will keep your operation running smoothly, efficiently and profitably.

CAT PRODUCT LINK™

Cat Equipment Management telematics technology helps take the complexity out of managing your jobsites by gathering data generated by your equipment, materials and people and serving it up to you in customizable formats.



VISIONLINK®

Access information anytime, anywhere with VisionLink® – and use it to make informed decisions that boost productivity, lower costs, simplify maintenance and improve safety and security on your jobsite. With different subscription level options, your Cat dealer can help you configure exactly what you need to connect your fleet and manage your business without paying for extras you don't want. Subscriptions are available with cellular or satellite reporting or both.



CAT APP

The Cat App helps you manage your assets – at any time – right from your smartphone. See fleet location and hours, get critical required maintenance alerts, and even request service from your local Cat dealer.



Cat Grade technologies help operators of varying experience levels hit target grade faster and more accurately. Cat Slope Indicate displays real-time machine mainfall and cross-slope on the primary monitor. Cat Grade with Slope Assist™ automatically maintains blade position without a GPS signal and requires no additional hardware or software. (Single tilt only.)

GRADE TECHNOLOGY HELPS YOU STAY AHEAD



BE GRADE READY

With Attachment Ready Option (ARO), your dozer comes from the factory ready for simple installation of a 3D grade control system. Please consult with your Cat dealer to learn more about the latest technology options.

Already invested in a grade infrastructure? You can install grade systems from Trimble, Topcon and Leica onto the machine.



HANDLE THE HEAT

DESERT/HIGH ABRASION DOZER



KEEP WORKING

High ambient capability makes the D8 well suited to extreme heat so you can work longer without shutting down. Push in second gear to work faster without overheating.



ARMED AGAINST ABRASION

Choose from a variety of factory options to support machine performance and service life in extremely sandy or abrasive conditions.



LESS CLEANING, LONGER LIFE

- Turbine precleaner prevents particles from entering the engine system.
- Solid-bottom engine enclosure doors help keep sand out for improved cooling and reduced cleanout.
- Specially coated fan and radiator core protection help resist abrasion. Reversing function is disabled on the hydraulic demand fan.
- Sealed bottom guard and added seals help keep fine abrasive particles out of components. Access panels facilitate cleanout without removing bottom guard.
- Replaceable wear plates offer longer blade life when working in abrasive conditions.

EQUIP YOUR DOZER

FOR THE TOUGHEST JOBS

COLD WEATHER CAPABLE

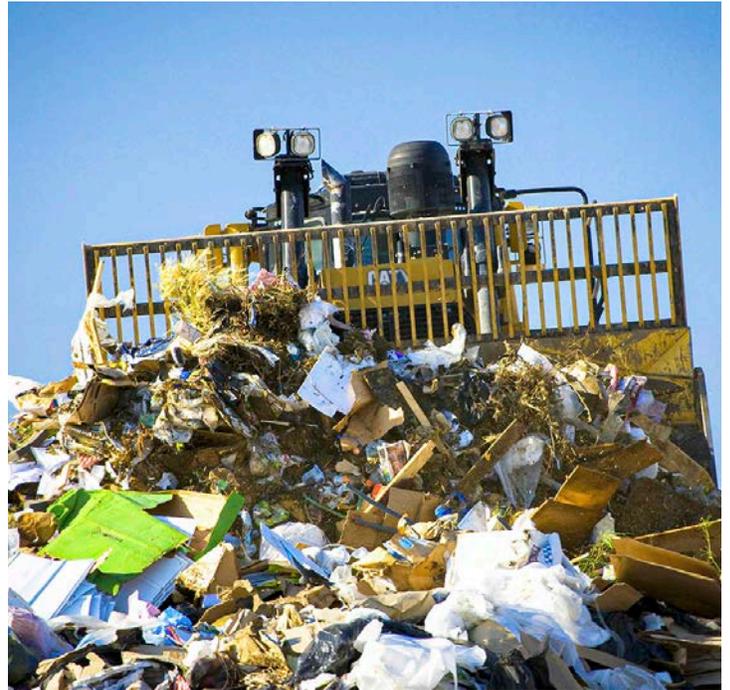
Equip your dozer from the factory for optimal performance in extreme cold. Arctic cab with dual pane glass offers extra operator comfort. Arctic final drives and fully suspended undercarriage are built to perform in frigid conditions. Aid cold weather starting with antifreeze protection down to -51C (-60F), ether starting aid and cold weather batteries.

TAKE ON THE TRASH

Build or close cells, push trash or spread cover – D8 Waste Handler is designed and built from the frame up to take on the challenges of landfill work. Specialized guarding, striker bars and seals help protect the machine from impact and airborne debris. Bottom and final drive guarding help prevent debris from wrapping around or damaging vital components.

FORESTRY/ LAND CLEARING

Optional sweeps help protect the cab, top and sides of the machine. Screens offer added protection for operators and cab windows. Additional guarding helps prevent machine damage from heavy debris.



MORE TIME ON THE JOB

Like all Cat dozers, the D8 is designed with features like wide engine panel access doors to minimize maintenance and repair time. You can also outfit your dozer with a variety of service features to make maintenance even easier so you can get back to work faster.



EASE OF SERVICE BECAUSE UPTIME COUNTS

Exclusive new Cat hydraulic and power train oil filters offer extended service intervals to save you time and money. Ecology drains help reduce spills during power train fluid changes. Ground level fast fuel system helps prevent spillage/waste and speeds refueling. High-speed oil change helps make servicing even faster.

MORE THAN MACHINES

BUILT AROUND YOUR SUCCESS

When you buy Cat equipment, you get so much more than the machine. You also get the support of a best-in-class dealer network, backed by a range of flexible solutions, technology, tools and more.



CUSTOMER VALUE AGREEMENTS

A Customer Value Agreement (CVA) from your Cat dealer helps you do more and worry less. A CVA simplifies machine ownership and maintenance, adds the security of expert dealer support and gives you the peace of mind from effective equipment health management.

REPAIR OPTIONS

A broad range of repair options give you choices that work with your needs, budget and timeline. Every repair is performed by expert Cat technicians. You'll receive smart repair advice, a timely, accurate quote and service that gets your machine back into action quickly.

GENUINE CAT PARTS

Genuine Cat Parts deliver the highest level of reliability and productivity. Order direct from your Cat dealer or shop online at parts.cat.com or myparts.cat.com.

FINANCIAL SERVICES

Count on Cat Financial to provide the best finance and extended protection solutions for your business. For more than 30 years, we have helped our customers succeed through financial service excellence.

GET BACK TO WORK

Services to help you save time, save money and get back on the job.

CAT INSPECT

Access your equipment data on your mobile device. This easy-to-use app lets you capture inspection data and integrates with your other Cat data systems, so you can keep a close eye on your fleet.

HYDRAULICS AND HOSE

Whether you choose new, Reman, exchange or rebuilt hydraulic components, you'll get expert diagnostics, testing and contamination control. Cat Hose Service offers hoses and couplings for most makes and models.

CERTIFIED REBUILD

Get a full second machine life at a fraction of the cost of buying new. With upgraded features, safety enhancements and the latest technologies, your old machine will perform even better than it did when it rolled off the line.

TECHNICAL SPECIFICATIONS

See cat.com for complete specifications.

ENGINE		
Engine Model	Cat® C15	
Emissions	Brazil MAR-1, China Nonroad Stage III emission standards, equivalent to U.S. EPA Tier 3/EU Stage IIIA, or emits equivalent to China Nonroad Stage II/U.S. EPA Tier 2/EU Stage II	
Build Number	19B	
Net Power (1,900 rpm)		
ISO 9249/SAE J1349	242 kW	325 hp
ISO 9249 (DIN)	328 mhp	
Engine Power (1,600 rpm)		
ISO 14396	269 kW	361 hp
ISO 14396 (DIN)	365 mhp	
Displacement	15.2 L	928 in ³

- Net power available at the flywheel when the engine is equipped with fan, air cleaner and alternator with engine speed at 1,900 rpm.
- Advertised power is tested per the specified standard in effect at the time of manufacture.

OPERATING WEIGHT		
Standard (single shank ripper)	38 834 kg	85,614 lb
LGP (drawbar)	37 525 kg	82,728 lb
Desert (single shank ripper)	39 153 kg	86,316 lb
LGP Desert (drawbar)	37 844 kg	83,430 lb
Waste Handler	38 621 kg	85,122 lb
LGP Waste Handler	37 312 kg	82,236 lb

SERVICE REFILL CAPACITIES		
Fuel Tank	600 L	158.3 gal
Cooling System	62 L	16.4 gal
Engine Crankcase*	38 L	10 gal
Power Train	155 L	41 gal
Final Drives (each)	12.5 L	3.3 gal

*with oil filter

BLADES	CAPACITY		WIDTH OVER ENDBITS		HEIGHT	
Semi-Universal (SU)	10.3 m ³	13.4 yd ³	4042 mm	13.3 ft	1747 mm	5.7 ft
Universal (U)	10.3 m ³	13.4 yd ³	4265 mm	14 ft	1747 mm	5.7 ft
Angle Blade	5.2 m ³	6.8 yd ³	5043 mm	16.5 ft	1177 mm	3.9 ft
LGP SU	9.9 m ³	12.9 yd ³	4543 mm	14.9 ft	1622 mm	5.3 ft
LGP Angle	5.6 m ³	7.3 yd ³	5553 mm	18.2 ft	1177 mm	3.9 ft
SU Landfill	21.2 m ³	27.8 yd ³	4042 mm	13.3 ft	2553 mm	8.4 ft
U Landfill	23.4 m ³	30.6 yd ³	4265 mm	14 ft	2544 mm	8.3 ft
LGP SU Landfill	22.2 m ³	29 yd ³	4543 mm	14.9 ft	2454 mm	8 ft

- Additional blades available, plus rock guards, wear plates and Performance Cutting Edges to help optimize performance and extend blade life. Please consult your Cat dealer for details.

DIMENSIONS	STANDARD		LGP	
Width of Tractor (without trunnions/standard shoe width)	2743 mm	130.4 in	3311 mm	130.4 in
Machine Height from Tip of Grouser to Exhaust Stack	3452 mm	135.9 in	3452 mm	135.9 in
Length of Track on Ground	3206 mm	126.2 in	3206 mm	126.2 in
Length of Basic Tractor (tag link trunnion to tip of rear grouser)*	4647 mm	183 in	4647 mm	183 in
Ground Pressure (ISO 16754)	88.2 kPa	7.6 psi	52.3 kPa	7.6 psi
Ground Clearance	622 mm	24.5 in	622 mm	24.5 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 1904 mm/75 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.

STANDARD & OPTIONAL EQUIPMENT

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

POWER TRAIN	STANDARD	OPTIONAL
Cat C15 diesel engine	●	
Cat C15 diesel engine – desert		●
Cat C15 diesel engine – sound suppressed		●
Air-to-Air Aftercooler (ATAAC)	●	
Electronically controlled powershift transmission	●	
Torque divider	●	
Turbocharger	●	

OPERATOR ENVIRONMENT	STANDARD	OPTIONAL
Cab with integrated ROPS/FOPS	●	
Cloth seat	●	
Vinyl seat		●
Cloth seat, heated and ventilated		●
Retractable seatbelt – 76 mm (3 in)	●	
Adjustable armrest	●	
Electronic monitoring system	●	
Rear vision camera		●
Pilot hydraulic controls	●	
Electrohydraulic controls		●
Lights – 6	●	
Lights – 10 LED		●
Lights – 8 for Sweeps		●

TECHNOLOGY PRODUCTS	STANDARD	OPTIONAL
Product Link: Cellular, Satellite or Dual		●
Attachment Ready Option (ARO)		●
Grade with Slope Assist		●
Compatibility with radios and base stations from Trimble, Topcon, and Leica	●	
Capability to install 3D grade systems from Trimble, Topcon, and Leica	●	

HYDRAULICS	STANDARD	OPTIONAL
Independent steering and implement hydraulic pumps	●	
Load sensing hydraulics – lift and tilt	●	

UNDERCARRIAGE	STANDARD	OPTIONAL
Standard gauge	●	
Low Ground Pressure (LGP)		●
Suspended Heavy Duty undercarriage	●	
Heavy Duty, Positive Pin Retention (PPR) Track	●	
Lifetime lubricated idlers	●	
Lifetime lubricated track rollers	●	
Replaceable sprocket rim segments	●	

SERVICE AND MAINTENANCE	STANDARD	OPTIONAL
Cat exclusive power train and hydraulic oil filters with extended service intervals	●	
Ground level service center	●	
S-O-S sm sampling ports	●	
Fast fill fuel system		●
Fuel lines – B100 compliant (required for Indonesia)		●
High capacity fuel tank (includes B100 compliant fuel lines)		●
High speed oil change system		●
Powertrain ecology drains		●
Underhood work light		●

GUARDING	STANDARD	OPTIONAL
Hinged bottom guards	●	
Rear screen		●
Sweeps		●

BULLDOZERS AND BLADES	STANDARD	OPTIONAL
Single tilt	●	
Dual tilt		●
Semi-Universal blade		●
Universal blade		●
Angle blade		●
Semi-Universal landfill blade		●
Universal landfill blade		●
Rock guards, wear plates for extended blade life		●

REAR ATTACHMENTS	STANDARD	OPTIONAL
Single shank ripper		●
Single shank ripper with pin puller		●
Multi-shank ripper		●
Rigid drawbar		●
Rear striker bar box		●
Winch (dealer installed)		●

SPECIAL ARRANGEMENTS	STANDARD	OPTIONAL
Waste Handler		●

Note: Choose from factory options to equip your dozer for work in desert/high abrasion conditions, extreme/arctic cold or forestry/land clearing.

Not all features are available in all regions. Please check with your local Cat dealer for specific offering availability in your area.
For additional information, refer to the Technical Specifications brochure available at www.cat.com or your Cat dealer.

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

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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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www.cat.com www.caterpillar.com

AEXQ3481-00 (01-2022)
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(Afr-ME, Aus-NZ,
Eurasia, HK, India,
Indonesia,
S Am, SE Asia, Taiwan,
Thailand, Turkey)

