

D4

TRACK-TYPE TRACTOR



Net Power (2,200 rpm)

SAE J1349	95 kW (128 hp)
ISO 9249	97 kW (130 hp)
ISO 9249 (DIN)	132 mhp

Operating Weight

D4	13 500 kg (29,800 lb)
D4 LGP	14 350 kg (31,600 lb)

Cat® C7.1 Engine meets Brazil MAR-1 and China Nonroad Stage III, equivalent to U.S. EPA Tier 3/EU Stage IIIA emission standards.



THE CAT® D4

TOP GRADING PERFORMANCE

The Cat® D4 dozer (formerly D6K) combines top fuel efficiency with the power and precision to excel in a wide range of jobs. A balanced design and available technologies like Cat Grade with Slope Assist™ and Cat Grade with 3D make it the ideal finish grading tractor.



NEW NAME, SAME WORLD-CLASS PERFORMANCE

The same D6K you have always valued for its outstanding grading performance is now the D4. The update 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 D4 continues to deliver the productivity and efficiency you need to help you make the most of your equipment investment.



SMARTER

Boost your productivity with factory installed technologies like Cat Grade with Slope Assist™ and Cat Grade with 3D. Let Equipment Management technologies give you helpful data to keep your machines, and your jobsite, running more efficiently.

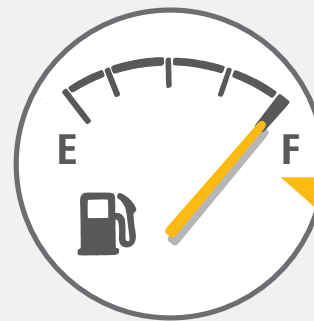
UP TO 18% MORE FUEL EFFICIENCY

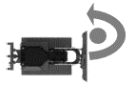
Features like efficient engine and power train, Eco Modes, reduced idling and hydraulic demand fan all help you save fuel. Technology options help you get more done in less time, further contributing to your fuel savings.

BALANCED

The D4 is built to give you optimal balance for grading. The undercarriage is designed for a smoother ride and top finish grading performance.

Comparisons to previous D6K model.





AGILE

Superior maneuverability, prompt acceleration and fast steering response give you faster cycle times to help get the job done quickly.



POWERFUL

A Cat C7.1 engine delivers reliable power and excellent fuel efficiency. Power is maintained to both tracks when turning, giving you greater capability to utilize full blade loads.



BALANCED

The undercarriage design, with eight bottom rollers and two carrier rollers, is optimized for smooth finish grading and a better ride, even at faster grading speeds.



VERSATILE

Variable Pitch Angle Tilt (VPAT) blade gives you the width and capacity to move material, as well as the finesse you need for smooth finish grades.

BIG PERFORMANCE SMALLER FUEL BILLS

Fuel savings starts with a hydrostatic transmission that automatically maintains engine speed to match application requirements. You always work with optimal power and fuel efficiency.



FUEL SAVINGS

In lighter applications like finish grading, Eco Mode reduces engine speed while maintaining ground speed. The result is fuel savings of about 5 to 18 percent, depending on the application. When more engine speed is needed, Eco Mode quickly responds to meet the demand.

REDUCED IDLING

Auto Engine Speed Control reduces engine speed when idling for added fuel savings. Selectable Engine Idle Shutdown Timer shuts down machine after specified idle time to help save fuel and meet idling regulations.

EFFICIENT COOLING

Cooling package allows more air flow, reducing fan speed for greater efficiency. Hydraulic demand fan automatically reduces fan speed in cooler conditions to help save fuel.



OFFICE SPACE

Spacious, quiet cab offers all-day comfort. Excellent visibility to the blade, curbs and tight spaces helps you work more precisely. Enter/exit the cab easily with wide door openings.



WORK IN COMFORT

An air suspension seat smooths out your ride, while ergonomic, seat-mounted joystick controls isolate vibration. Heating/ventilation/air conditioning system cools fast and circulates air close to the operator for more comfort.



TAKE CONTROL

Single joystick controls speed, direction and steering. Experience quick blade response and precise electro-hydraulic controls with sensitivity adjustment – fine, medium, coarse. Pre-select forward/reverse speeds with Bi-directional control for reduced effort and improved efficiency.



STAY INFORMED

Liquid Crystal Display (LCD) is glare resistant and easy to read day or night so you can monitor machine operation, machine health and implement settings. Screen displays optional rear vision camera as well as Slope Assist™ and Slope Indicate information.

TOUGH ON THE JOB EASY ON OPERATORS





GAIN THE COMPETITIVE EDGE

An unprecedented selection of technology choices help you make the most of your equipment investment.

- + Grade technology options help operators of varied skill levels hit target grade faster and more accurately.
- + Operator assist features work behind the scenes to help make machine operation easier.
- + All Cat Grade systems are compatible with radios and base stations from Trimble, Topcon and Leica.
- + Link technologies, Remote Flash/Remote Troubleshoot and tools like Equipment Management help connect you to your equipment to help save time and money on service and maintenance.

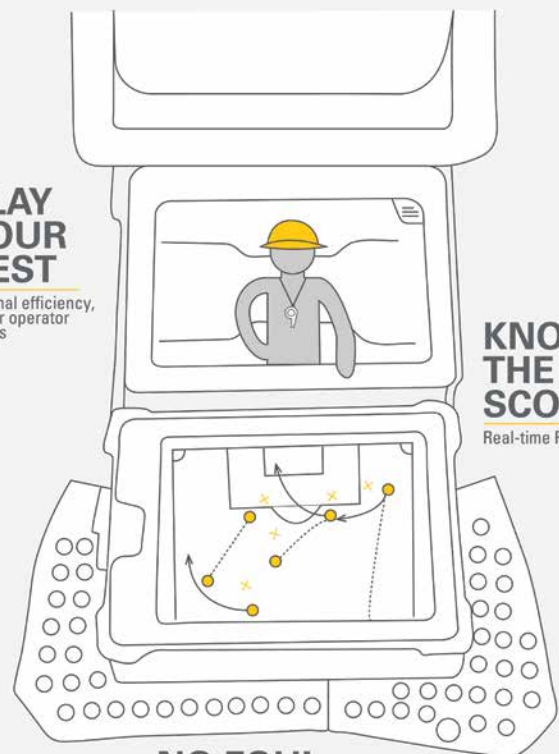
CAT® TECHNOLOGY IS LIKE HAVING A COACH IN THE CAB

PLAY YOUR BEST

Optimal efficiency, fewer operator inputs

KNOW THE SCORE

Real-time Feedback



NO FOUL

Save rework, time, materials

CAT TECHNOLOGY

BOOST YOUR PRODUCTIVITY

NO GPS SIGNAL? NO PROBLEM

Cat Grade with Slope Assist™ automatically maintains operator's pre-established blade position without a GPS signal. Put it to work building pads, creating simple design plans on-the-go or working where GPS is unavailable. Slope Assist works seamlessly alongside 3D GPS systems.

FIRST PASS TO FINISH GRADE

Factory-integrated Cat Grade with 3D uses a GPS signal to automatically adjust blade movements – both lift and tilt – as you follow the design. Save time, labor and materials on all phases of the job. The friendly 10-inch (254 mm) touchscreen grade display works like a smart phone, so it is easy for operators to pick up quickly. Antennas and receivers are mounted on top of the cab, eliminating the need for blade masts.

READY WHEN YOU ARE

Attachment Ready Option (ARO) with Assist means your dozer comes from the factory ready for simple installation of a grade control system. ARO is bundled with Slope Assist and other features to help your operators get more done in less time.

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



OPERATOR HELPERS

FOR TOP RESULTS



SLOPES MADE SIMPLE

Cat Slope Indicate displays machine cross-slope and fore/aft orientation on the primary monitor, helping operators work more accurately on slopes.

SMOOTH OPERATOR

Stable Blade makes it easier to get smoother surfaces faster when operating manually. Works seamlessly with operator blade inputs to help reduce imperfections and produce a smoother surface.

KEEP PUSHING FORWARD

Automatic Traction Control reduces track slip in poor underfoot conditions, improving productivity and finish surface quality.

MAKE THE MOST OF EVERY PASS

AutoCarry automates blade lift to help you get more consistent blade loads with each pass and reduce track slip.

Note: Grade with 3D package required.

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 jobsite 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® – 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.





LESS MAINTENANCE TIME

MORE TIME ON THE JOB

EASY ACCESS SAVES TIME

Easily access the engine compartment through a large, hinged door and a lower panel that can be removed without tools. Pressure taps are grouped for quick hydraulic system testing/troubleshooting. Get easy ground-level access to hydraulic filters and primary fuel filter/water separator.

CONVENIENCE BY DESIGN

Modular components make service and maintenance easier. The monitoring system performs automatic checks at start-up and the fuel filtration system helps keep you running smoothly. Optional hydraulic reversing fan blows debris out of the radiator cores. Optional rear bracket keeps a shovel handy, and a toolbox keeps tools and grease gun close at hand.

SERVICE NEAR OR FAR

Save time and money with remote services. Remote Flash sends software updates remotely without having to wait for a dealer technician to arrive. Remote Troubleshoot allows your Cat dealer to run testing while the machine is operating. If a problem is identified, a technician can bring the correct parts and tools the first time, saving time and money.

EQUIPPED FOR THE JOB

OPTIMIZE YOUR DOZER

Outfit your dozer with the blade, undercarriage and rear attachments to optimize performance for the work you do.



BLADES

Versatile Variable Pitch Angle Tilt (VPAT) blade allows you to hydraulically adjust lift, angle and tilt for precise results. Blade shake feature helps shed sticky material. Angle the blade for easy transport or choose a folding blade for even narrower transport width.



UNDERCARRIAGE

Heavy Duty undercarriage is suited for aggressive applications like land clearing, side-slopes or rocky terrain. Optional Cat Abrasion™ undercarriage is designed to work and wear as a system for longer life and lower costs in abrasive or low/moderate impact applications.

A Low Ground Pressure (LGP) option adds stability and traction, especially in loose/wet underfoot conditions.



REAR ATTACHMENTS

Equip your dozer with a multi-shank ripper, drawbar or dealer-installed winch. A Ripper Ready package makes it easy to add a ripper in the future for more versatility or added resale value. Ask your Cat dealer for available options to help you optimize your machine for the work you do.

READY FOR HARD WORK

Equip your dozer from the factory with added protection to work in harsh applications like agriculture, forestry and land clearing.



If you work in severe environments, add protection for your dozer and operator with optional features like a heavy-duty cab, sweeps and window/door screens. Specialized guarding protects machine components. Hydraulic demand fan and turbine air precleaner help handle high debris situations. LED lights add visibility. Ask your Cat dealer about the factory options that are right for your applications.

ADDED PROTECTION TAKE ON THE TOUGHEST TASKS

TECHNICAL SPECIFICATIONS

See cat.com for complete specifications.

ENGINE		
Engine Model	Cat® C7.1	
Emissions	Brazil MAR-1 and China Nonroad Stage III, equivalent to U.S. EPA Tier 3/EU Stage IIIA	
Build Number	15A	
Net Power (2,200 rpm)		
SAE J1349	95 kW	128 hp
ISO 9249	97 kW	130 hp
ISO 9249 (DIN)	132 mhp	
Displacement	7 L	428.8 in ³

- Net power advertised is the power available at the engine flywheel when the engine is equipped with the air cleaner, alternator, A/C compressor at full load and cooling fan at maximum speed.
- Advertised power is tested per the specified standard in effect at the time of manufacture.

OPERATING WEIGHT		
D4	13 500 kg	29,800 lb
D4 LGP	14 350 kg	31,600 lb

SERVICE REFILL CAPACITIES		
Fuel Tank	260 L	69 gal
Cooling System	30 L	7.9 gal
Hydraulic Tank	64 L	16.9 gal

BLADES				
	Capacity		Width	
VPAT	3.3 m ³	4.3 yd ³	3196 mm	10.5 in
LGP VPAT	3.8 m ³	4.9 yd ³	3684 mm	12 in

Note: Width and capacity are the same for VPAT and folding VPAT blades.

DIMENSIONS				
	D4		D4 LGP	
Ground pressure	40 kPa	5.8 psi	31 kPa	4.5 psi
Track gauge	1770 mm	70 in	2000 mm	79 in
Width of standard track shoe	560 mm	22 in	760 mm	30 in
Width of tractor with standard shoe:				
without blade	2330 mm	92 in	2760 mm	109 in
with VPAT blade angled 25°	2896 mm	114 in	3337 mm	131 in
with foldable blade in transport position	2364 mm	93 in	2850 mm	112 in
Length of track on ground	2645 mm	104 in	2645 mm	104 in
Ground contact area	3.3 m ²	5,100 in ²	4.5 m ²	6920 in ²
Ground clearance	360 mm	14 in	360 mm	14 in
Machine height	2965 mm	117 in	2965 mm	117 in
Length of basic tractor	4618 mm	181 in	4618 mm	181 in

All dimensions above with Cat Abrasion undercarriage with Extreme Service shoes of maximum width for configuration and VPAT blade, calculated per ISO 16754 unless otherwise specified.

STANDARD & OPTIONAL EQUIPMENT

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

POWER TRAIN	STANDARD	OPTIONAL
Cat C7.1 engine, turbocharged	•	
Hydrostatic transmission	•	
Aluminum bar plate cooling system	•	
Hydraulically driven, variable speed fan	•	
Engine idle shutdown	•	
Turbine precleaner with screen		•
Air cleaner with integrated precleaner, dust ejector and under hood air intake	•	

OPERATOR ENVIRONMENT	STANDARD	OPTIONAL
Standard ROPS/FOPS cab with air suspension seat	•	
Comfort cab package with heated/ventilated seat, heated joysticks		•
Heavy duty cab with polycarbonate windows, air suspension seat		•
Adjustable armrests	•	
Seat mounted controls with fore/aft adjustment	•	
Color graphic 17.8 cm (7 in) display	•	
Programmable/selectable bi-directional shifting	•	
Eco Mode	•	
Integrated air conditioning with automatic temperature control	•	
Radio, AM/FM/Aux/USB/Bluetooth®		•
Rear view camera		•

TECHNOLOGY PRODUCTS	STANDARD	OPTIONAL
Standard Technology – Third-Party Grade Control Ready		•
Attachment Ready Option (ARO) with Assist: Slope Indicate, Slope Assist™, Stable Blade, Traction Control, ARO, Third-Party Grade Control Ready		•
Cat Grade with 3D: factory installed and integrated Grade with 3D, AutoCarry, plus features from ARO with Assist package		•
Compatibility with radios and base stations from Trimble, Topcon and Leica	•	
Capability to install 3D grade systems from Trimble, Topcon and Leica	•	
Product Link™ ready	•	
Cellular or Satellite Product Link		•

UNDERCARRIAGE	STANDARD	OPTIONAL
Heavy Duty undercarriage	•	
Cat Abrasion undercarriage		•

SERVICE AND MAINTENANCE	STANDARD	OPTIONAL
Hinged radiator louvered grill	•	
Swing-out radiator fan	•	
Ecology drains	•	
Scheduled Oil Sampling (S-O-S SM) ports	•	
Shovel holder		•

ELECTRICAL	STANDARD	OPTIONAL
Six (6) integrated halogen lights (4 front, 2 rear)	•	
Six (6) integrated LED lights (4 front, 2 rear)		•

BLADES	STANDARD	OPTIONAL
VPAT blade		•
Foldable VPAT blade		•

GUARDING AND PROTECTION	STANDARD	OPTIONAL
Heavy duty crankcase guard	•	
Front protection package		•
Heavy duty protection package		•
Cab protection package: sweeps, rear cab screen		•
Heavy duty cab protection package: sweeps, rear cab screen, side screens, light guards		•

REAR ATTACHMENTS	STANDARD	OPTIONAL
Multi-shank ripper		•
Swing drawbar		•

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

VisionLink is a trademark of VirtualSite Solutions LLC, registered in the United States and in other countries.

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

© 2022 Caterpillar. All Rights Reserved. CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, Product Link, "Caterpillar Corporate Yellow", the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

www.cat.com www.caterpillar.com

AEHQ8432-00 (04-2022)
Build Number 15A
(Afr-ME, Asia Pacific
[excluding Aus-NZ, Japan,
Korea], Eurasia, S Am)

