D4

TRACK-TYPE TRACTOR



Net Power (1,800 rpm)	
ISO 9249/SAE J1349	101 kW (135 hp)
ISO 9249 (DIN)	137 mhp
Operating Weight	
D4	13 272 kg (29,260 lb)
D4 LGP	14 008 kg (30,882 lb)

Cat® C4.4 Engine meets U.S. EPA Tier 4 Final/EU Stage V/Japan 2014/Korea Stage V emission standards.

THE CAT® D4

SEE A BETTER BOTTOM LINE

The versatile Cat® D4 Dozer offers the power and precision to get jobs done quickly, plus you get more visibility to the blade. Easy-to-use technology features help you get more quality work done in less time. Fuel efficiency and service improvements help reduce your operating costs.



LATEST FEATURES

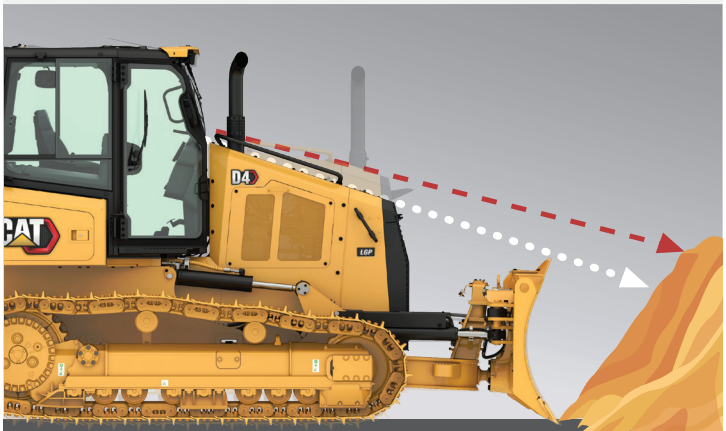
The D4 (Build Number: 16C) has been updated to increase horsepower. The D4, with a Cat C4.4 twin turbo engine, already has a reputation for its abilities in light grading and finishing work, but this machine has the power to push when needed.

+ This bulldozer is more powerful at lower rpm. It's not about speed, it's about power.
+ The engine control dial has been modified for some settings to optimize rpms with load sensing, idle level, power, and fuel savings.
+ Eco mode is more fuel efficient than the previous model (D4 16B), meaning increased fuel savings when utilizing an already efficient mode.



A BETTER VIEW

Lower sloping hood line = **about 30% better visibility** to the work area in front of the blade.



SHORTER SIGHT LINE GETS YOU ABOUT **40% CLOSER TO THE PILE** FOR FASTER CYCLE TIMES.

D4 (16A/B/C) ••••••••••▶

PREVIOUS MODEL D6K/D6K2/D4 - - - - - -▶

UP TO 30%[1] BETTER FORWARD VISIBILITY

Work more efficiently – lower sloping hood line for better visibility to the area in front of the blade.

MORE PRODUCTIVITY WITH CAT TECHNOLOGY

A broad range of Assist and Grade technology choices helps boost productivity and reduce operator inputs up to 45%[2] so you get the most from your machine. Cat Assist with ARO (Attachment Ready Option) package is the standard technology offering.

LOWER OPERATING COSTS

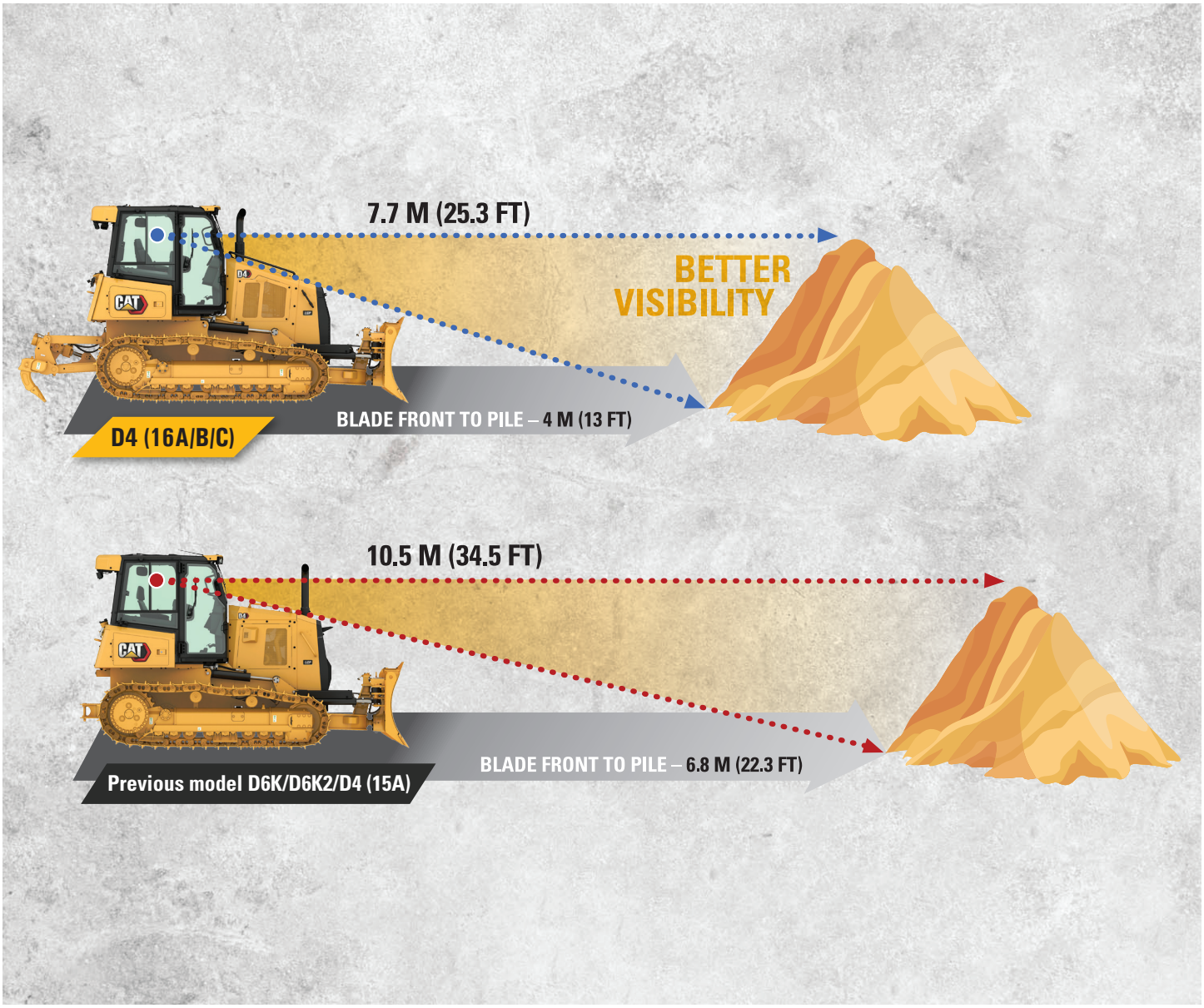
Lower maintenance costs and longer service intervals help you save time and money.

[1] *Visibility improvements based on virtual visibility analysis. Comparisons made between the D6K/D6K2/D4 (15A) and the D4 (16A/B/C).*

[2] *Input reduction based on product testing of a D5 (17B) Next Generation Dozer with and without the use of Assist technology features, in a truck dump spreading in sand application. Test conducted by Caterpillar at Washington, IL, in July 2022.*

BETTER SIGHT LINES
ENJOY THE VIEW

Get a better view of the work at hand with a lower sloping hood line that gives you up to 30%[1] better visibility to the area in front of the blade.



WORK FASTER

Shorter sight lines mean you won't have to back up as much to get a full view of the material. With the visual distance between the front of your blade and the pile shortened by about 40%, you'll spend less time in reverse and get the job done faster.

[1] *Visibility improvements based on virtual visibility analysis. Comparisons made between the D6K/D6K2/D4 (15A) and the D4 (16A/B/C).*

POWERFUL

Cat C4.4 engine with twin turbochargers combined with a hydrostatic transmission gives you excellent fuel efficiency and the most power-dense drivetrain in its size class.

AGILE

Superior maneuverability and fast steering response give you the agility to get the job done quickly. Power Turn provides power to each track to allow dozer to carry heavy loads around turns.



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. Foldable VPAT option available for narrower transport width.

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.



OPERATOR HELPERS

BUILT RIGHT IN

Standard Assist technology features help make work easier, especially for less experienced operators. Some blade and steering functions are automated so newer operators can work at productivity levels closer to their veteran counterparts. Seasoned operators can enjoy reduced effort, along with faster, more accurate results. Standard ARO with Assist bundles these features into one productivity-boosting package.

NO GPS SIGNAL? NO PROBLEM

Cat Grade with Slope Assist automatically maintains pre-established blade position without a GNSS/GPS signal – no additional hardware or software needed. For machines with 3D, operators can easily switch back and forth from full 3D automatics to Slope Assist.

STAY ON TRACK

Steer Assist automates track and blade tilt steering. Helps reduce operator fatigue by automatically maintaining straight travel with light loads or heavy loads on flat ground and side slopes. Helps reduce steering inputs up to 75%. No GNSS/GPS required.

SMOOTH OPERATOR

Stable Blade works seamlessly with operator inputs to help produce a smoother surface when operating manually.

EASY UPGRADES

Attachment Ready Option (ARO) provides wiring and mounting provisions for dealer installation of Grade with 3D, Accugrade, UTS, or other grade control systems.

KEEP PUSHING FORWARD

These Assist features help you make the most of every pass.

Blade Load Monitor gives you real-time feedback on current load versus the optimal blade load based on your ground conditions. Actively monitors machine load and track slip to help you reach optimal pushing capacity.*

Traction Control automatically reduces track slip to save you time, fuel, and track wear.*

AutoCarry automates blade lift to help you maintain consistent blade load and reduce track slip.*

Slope Indicate is included in the main machine display and shows side slope and uphill/downhill grades to help operators with slope work.

**Feature not operational indoors or in areas where a GNSS/GPS signal is not available.*

PROVEN ADVANTAGE

WORK ~~HARDER~~ EASIER

Cat Assist and Grade technologies work in the background to help dozer operators of varied skill levels and are especially beneficial to less experienced operators. While there is no replacement for experience and expertise, training new operators is a long-term investment of time and money. To demonstrate just how much these built-in technology features help, Caterpillar put them to the test.

Two novice operators and two expert operators took on three challenges. Each operator completed three runs of each task – one in manual, one using Assist technology features, and one using Assist plus Cat Grade with 3D. The team measured material moved per hour, material moved per unit of fuel/diesel exhaust fluid (DEF), completion time, final surface quality, and operator inputs.

SLOT DOZING

Productivity and efficiency – novice operators went from 9% lower productivity and efficiency than the experts in manual to matching the experts when using Assist.[1]

SIDE SLOPE/STEER ASSIST

Steering inputs – novice and expert operator steering inputs reduced by 75% in forward and by 67% combining forward and reverse.[5]

All data collected during the same test conducted by Caterpillar at Washington, IL, in July 2022.

[1]Improvements based on product testing of a D7 (17A) Next Generation Dozer with and without the use of Assist technology in a slot dozing application. Productivity measured as material moved per hour and verified by time keeping and a surveying drone. Efficiency measured as material moved per unit of fuel/Diesel Exhaust Fluid (DEF) and verified by a fuel and DEF burn electronic control module (ECM).

[2]Time reduction based on product testing of a D5 (17B) Next Generation Dozer with and without the use of Assist technology in a truck dump spreading/grading in sand application.

[3]Input reduction based on product testing of a D5 (17B) Next Generation Dozer with and without the use of Steer Assist in a side slope application. Inputs measured as number of times operator adjusts controls, collected and verified by electronic control module (ECM).

[4]Surface quality improvements based on product testing of a D5 (17B) Next Generation Dozer with and without the use of Assist technology in a truck dump spreading/grading in sand application. Surface quality measured as standard deviation from known design and verified by a surveying drone.

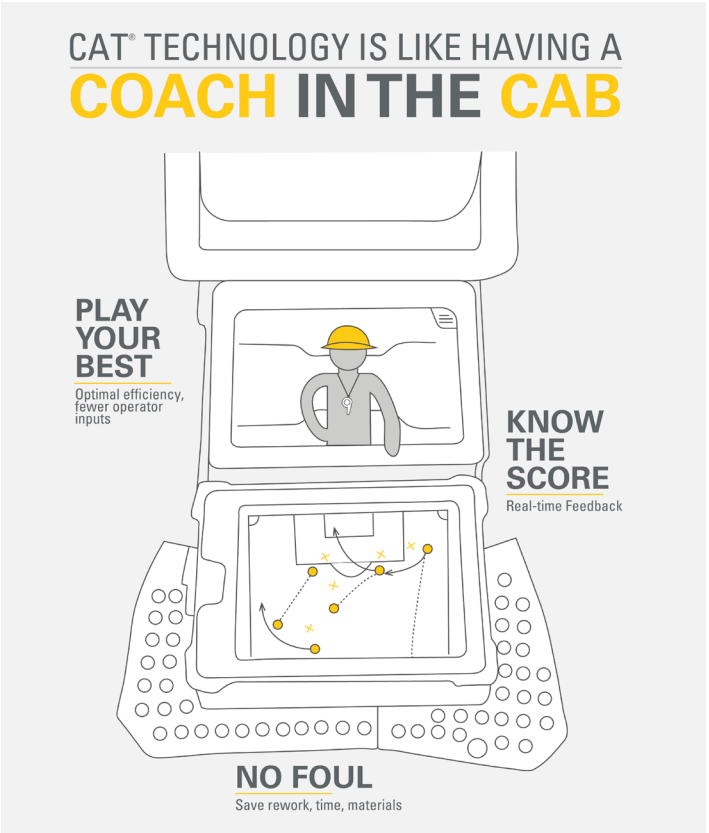
[5]Input reduction based on product testing of a D5 (17B) Next Generation Dozer with and without the use of Steer Assist in a side slope application. Inputs measured as number of times operator adjusts controls, collected and verified by electronic control module (ECM).

TRUCK DUMP SPREADING/ GRADING IN SAND

Completion time – novice operators took 49% more time than the experts in manual and narrowed the gap to 17% using Assist and to 9% by adding Grade.[2]

Blade inputs – novice operator blade inputs were reduced 45% with Assist, and 55% with Assist plus Grade. Expert operator blade inputs were reduced 32% with Assist, and 53% with Assist plus Grade.[3]

Surface quality – novice operator surface quality improved up to 51% using technology while expert operator surface quality improved up to 27% using technology. Novice operators using technology produced similar surface quality to the expert operators in manual.[4]



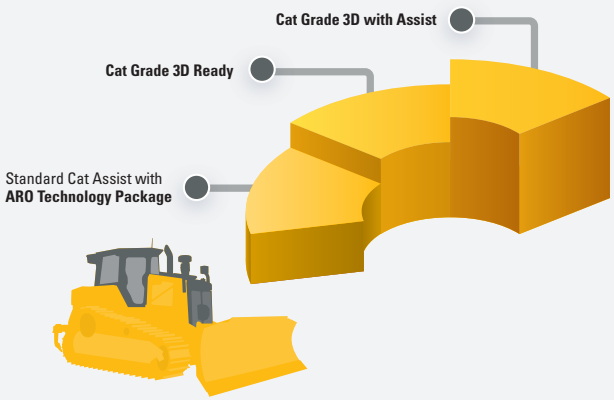


3D GRADE CONTROL
BOOST YOUR PRODUCTIVITY

+ Factory integrated **Cat Grade with 3D** uses GNSS/GPS to control the blade so you can get to design the plan faster.
+ Cat Grade with 3D has no masts – low profile antennas are integrated into the cab roof, and GNSS/GPS receivers are mounted inside the cab for better protection.
+ Automatically follow guidance lines from design plans with **Steer Assist 3D**. Stay on curb lines, centerlines, bottom of slope, etc., without operator effort. Track steering is used under light loads and blade tilt steering may be added under heavy loads.
+ Grade operator interface is intuitive and easy to use: 10-inch (254 mm) touchscreen, Android OS platform, operates like a smart phone.
+ Cab is Third-party Grade Control ready and equipped with CAN interface, harness pass-throughs, and mounting features to make it easier to install the grade control system of your choice.
+ All Cat Grade systems are compatible with radios and base stations from Trimble, Topcon, and Leica.
+ Already invested in a grade infrastructure? You can install grade systems from Trimble, Topcon, and Leica onto the machine.

LEVEL UP

CHOOSE THE RIGHT LEVEL OF TECHNOLOGY TO FIT YOUR BUSINESS AND BUDGET. ORDER FROM THE FACTORY OR UPGRADE LATER.



TECHNOLOGY PACKAGES THAT HELP BOOST

TIME / MONEY / FUEL SAVINGS

CAT EQUIPMENT MANAGEMENT TECHNOLOGY
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.



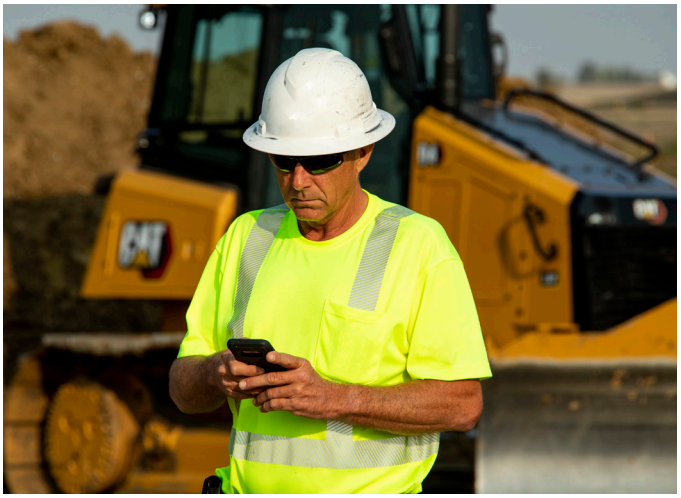
CAT PRODUCT LINK™

Product Link™ collects data automatically and accurately from your assets – any type and any brand. Information such as location, hours, fuel usage, productivity, idle time, maintenance alerts, diagnostic codes, and machine health can be viewed online through web and mobile applications.



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.



REMOTE SERVICES

A suite of technologies to improve jobsite efficiency:

+ **Remote Flash** – get software updates to one or more machines remotely.
+ **Remote Troubleshoot** – remote diagnostic testing helps pinpoint potential issues, saving time and money.
+ **Remote Grade** – with a Cat Grade Connectivity* plan, remotely connects to machines on a jobsite from anywhere using the Cat Grade web interface. Connect to machines on a jobsite to simplify uploading Grade 3D design files, troubleshooting issues, and making adjustments.
+ **Operator ID** – track machine operation by individual operator using the main display and Product Link.

**Grade Connectivity plan required. Availability may vary by region, consult your Cat Dealer for more details.*

COME ON IN AND MAKE YOURSELF COMFORTABLE

The latest cab offers more comfort and convenience for long days in the seat. Pair that with added visibility along the lower sloping hood line, and you have an operator environment that helps you get the job done.



STAY IN TOUCH

10-inch (254 mm) touchscreen main display is easy to use with a great view of machine settings and features. The standard high-definition rearview camera shows prominently in the display and includes backup lines to guide you.

WORK SPACE

More comfortable seat offers improved suspension and multiple adjustments for personalized comfort. Plus, enjoy additional storage spaces throughout the cab.

REDUCED EFFORT

Bi-directional control lets you preselect forward/reverse gears for reduced effort and to match your application. Save the settings as operator profile for even more convenience.

Comparisons to previous model D4/D6K2.



EQUIPPED FOR THE JOB

FIT THE WAY YOU WORK

Choose from undercarriage, track shoe, guarding and attachment options to ideally outfit your dozer for the type of work you do.

HEAVY DUTY/FORESTRY

You can equip your D4 with a variety of factory options to provide added protection in heavy-duty applications like forestry and land clearing. Choose individual components, sweeps/screens, protection packages, and even a heavy-duty cab with polycarbonate windows.



SAVE TIME, SAVE MONEY

BECAUSE UPTIME COUNTS

EASY SERVICE ACCESS

Large engine compartment door gives you easy ground-level access to service and maintenance points. The lower panel can be removed without tools. The trunnion grease point can now be reached without bending down. Longer drawbar platform gives you more convenient fuel fill/rear camera cleaning access. Optional ground-level fast fuel fill and shovel bracket add to overall convenience.

OPERATING COST SAVERS

Eco modes optimize engine speed, while maintaining ground speed and power, to save you fuel in lighter blade load applications like finish grading. Efficiency features reduce engine speed when idling, or shut the machine down after a specified time, to further save fuel and meet idling regulations. Efficient cooling package has better air flow, helping to reduce fan speed and save even more fuel in cooler conditions/lighter applications.

TAKE ON ABRASIVE CONDITIONS

Cat Abrasion™ undercarriage is your lowest cost-per-hour solution for high abrasion and low impact jobsites. The design offers double the seal life and eliminates bushing turns, reducing your costs up to 50% per hour compared to traditional undercarriage.

PRECISION CUTTING EDGES

Protect your blade investment with 20% more wear material and lower cost per hour, plus 40% more wear material on extended wear life edges.** Cat Precision Cutting Edges are the only ones with wear indicators rolled right into the edge material, to ensure you know when to flip your cutting edges to avoid costly blade repairs.

**Compared to legacy cutting edges.

SPEND LESS ON MAINTENANCE

Engine oil/engine oil filter service interval has been extended to 1,000 hours.* Longer service intervals on the air cleaner and Diesel Exhaust Fluid (DEF) pump filter help save time, too. LED lights offer up to six times the life of halogen to save on parts cost.

*First change at 500 hours. Scheduled Oil Sampling (S·O·S℠) required. Please refer to Operation and Maintenance Manual (OMM) for details.



Comparisons to previous model D4/D6K2.



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 world-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.

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.

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.

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, Cat 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® C4.4	
Emissions	Meets U.S. EPA Tier 4 Final/ EU Stage V/Japan 2014/Korea Stage V emission standards	
Transmission Type	Hydrostatic	
Net Power (1,800 rpm)		
ISO 9249/SAE J1349	101 kW	135 hp
ISO 9249 (DIN)	137 mhp	
Displacement	4.4 L	268.5 in^3

- Net power available at the flywheel when the engine is equipped with fan, air cleaner, aftertreatment, and alternator with engine speed at 1,800 rpm.
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- No derating required up to 3000 m (9,840 ft) altitude, beyond 3000 m (9,840 ft) automatic derating occurs.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to:
  - 20% biodiesel FAME (fatty acid methyl ester) ***
  - 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels. Refer to guidelines for successful application.

Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.

** While Cat engines are compatible with these alternative fuels, some regions may not allow their use.*

*** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.*

**** Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).*

BUILD NUMBER	
Build Number	16C

OPERATING WEIGHT		
D4	13 272 kg	29,260 lb
D4 LGP	14 008 kg	30,882 lb

BLADES				
Blade Type	VPAT/Foldable VPAT			
	Capacity		**Width**	
VPAT	3.26 m^3	4.26 yd^3	3196 mm	125.8 in
LGP VPAT	3.81 m^3	4.98 yd^3	3684 mm	145.0 in

- VPAT foldable blades have the same capacity and width as standard VPAT blades.

SERVICE REFILL CAPACITIES		
Fuel Tank	260 L	69 gal
Diesel Exhaust Fluid (DEF) Tank	19 L	5 gal

AIR CONDITIONING SYSTEM

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas.

– If equipped with R134a (Global Warming Potential = 1430), the system contains 1.6 kg (3.5 lb) of refrigerant which has a CO_2 equivalent of 2.288 metric tonnes (2.521 tons).

DIMENSIONS				
Width of Tractor	**D4**		**D4 LGP**	
Standard Shoes without Blade	2330 mm	92 in	2760 mm	109 in
Standard Shoes with VPAT Blade Angled 24°	2920 mm	115 in	3366 mm	132.5 in
Standard Shoes with Foldable Blade in Transport Position	2371 mm	93.3 in	2815 mm	110.8 in
Machine Height from Tip of Grouser – ROPS Cab	2965 mm	117 in	2965 mm	117 in
Width of Standard Shoe	560 mm	22 in	760 mm	30 in
Length of Track on Ground	2653 mm	104 in	2653 mm	104 in
Length of Basic Tractor (Blade to Drawbar)	5156 mm	203 in	5156 mm	203 in
With the Following Attachments:				
VPAT Blade, Straight	5142 mm	202.4 in	5142 mm	202.4 in
VPAT Blade, Angled 24° (Standard and Foldable)	5738 mm	226 in	5738 mm	226 in
Ground Clearance from Ground Face of Shoe (per SAE J1234)	350 mm	14 in	350 mm	14 in
Ground Pressure (ISO 16754)	40.5 kPa	5.9 psi	31 kPa	4.5 psi

Note: all weights and dimensions with Cat Abrasion undercarriage.

STANDARD AND OPTIONAL EQUIPMENT

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

POWERTRAIN	STANDARD	OPTIONAL
Cat® C4.4 diesel engine	●	
Air cleaner with integrated precleaner, dust ejector and under hood air intake	●	
Auto engine speed control	●	
Electric fuel pump	●	
Hydrostatic, infinite variable speed transmission	●	
Precleaner with turbine		●
Auto reversing fan		●

OPERATOR ENVIRONMENT	STANDARD	OPTIONAL
Standard ROPS/FOPS cab	●	
Premium cab package		●
Heavy Duty cab package		●
Integrated air conditioning	●	
Air-suspension cloth seat	●	
Adjustable armrests	●	
10-in (254 mm) touchscreen display	●	
Rear-vision camera	●	
Electronically programmable speed selector	●	
Electronic engine air cleaner service indicator	●	
Entertainment radio ready	●	
Radio, AM/FM/AUX/USB Bluetooth®		●

CAT TECHNOLOGY	STANDARD	OPTIONAL
Slope Indicate	●	
Cat Assist with ARO Package	●	
Cat Grade 3D Ready with Assist Package (Hardware Only)		●
Cat Grade 3D 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™ – cellular	●	
Product Link – dual cellular/satellite		●
Remote Flash/Troubleshoot	●	

ELECTRICAL	STANDARD	OPTIONAL
105 amp brush-type alternator (24 volt)	●	
Backup alarm	●	
Diagnostic connector	●	
Standard Lights - 6 LED	●	
Premium Lights - 12 LED		●

UNDERCARRIAGE	STANDARD	OPTIONAL
Heavy Duty undercarriage	●	
Cat Abrasion undercarriage	●	
Lifetime lubricated track rollers (8 + 2 carrier rollers) and idlers	●	
Track guiding guards – full, center, front/rear		●

SERVICE AND MAINTENANCE	STANDARD	OPTIONAL
Extended service intervals (1,000 hours* engine oil and filter, 1,000 hours powertrain)	●	
Ecology drains	●	
Fast fill ready		●
Bio hydraulic oil		●
Cold weather package (120V or 240V)		●
Shovel mounting bracket		●
High speed oil change		●

BLADES	STANDARD	OPTIONAL
VPAT blade	●	
Folding VPAT blade		●
Manual blade pitch	●	
Powered blade pitch**		●
Precision Cutting Edges	●	

ATTACHMENTS	STANDARD	OPTIONAL
Ripper Ready package		●
Winch ready		●
Dual Ripper/Winch Ready package		●
Winch (dealer installed)		●
Ripper with curved or straight shanks		●
Drawbar		●
Rear counterweight		●
Front pull device	●	
Protection packages		●
Rear screen		●

*S·O·S sampling required. Please consult Operation and Maintenance Manual (OMM) for complete service information.

**Available in North America only.



オフロード法２０１４年
基準適合

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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AEXQ4643-00 (07-2026)
Build Number: 16C
(Aus-NZ, Chile, Europe, Japan,
N Am, S Korea, Türkiye)

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, LET'S DO THE WORK, VisionLink, their respective logos, Product Link, Slope Assist, S·O·S, Abrasion, "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

Based on the Labor, Safety and Health Laws in Japan, employers of small construction equipment are required to provide specific training for all operators on machines with machine weight less than 3 metric tons. For machines greater than 3 metric tons, operator needs to obtain operator license certification from a government-approved registered training school.