

D4

Track-Type Tractor

Technical Specifications

Configurations and features may vary by region. Please consult your Cat® dealer for availability in your area.

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D4 Track-Type Tractor Specifications

Build Number

Build Number	16C

Engine

Engine Model	Cat® C4.4	
Emissions	Meets U.S. EPA Tier 4 Final/EU Stage V/Japan 2014/Korea Stage V emission standards	
Net Power (1,800 rpm)		
ISO 9249/SAE J1349	101 kW	135 hp
ISO 9249 (DIN)	137 mhp	
Maximum Power (2,200 rpm)		
ISO 14396	117 kW	157 hp
ISO 14396 (DIN)	159 mhp	
Bore	105 mm	4.13 in
Stroke	127 mm	4.99 in
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 Caterpillar 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).*

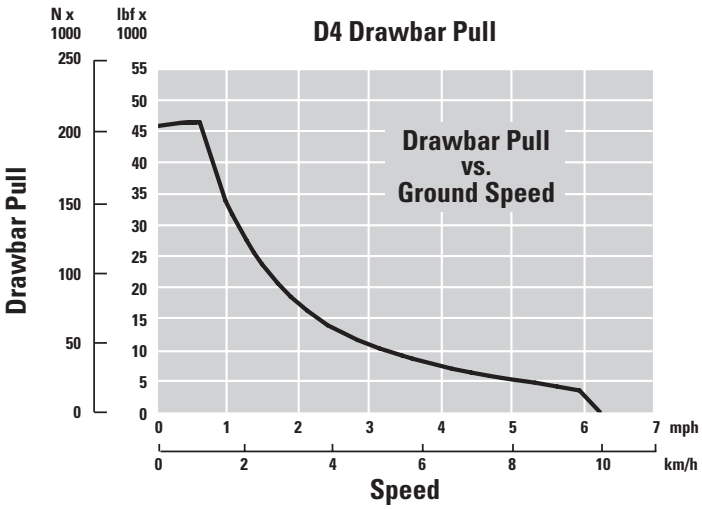
Transmission – Travel Speed

Transmission Type	Hydrostatic	
Forward	0-10 km/h	0-6.2 mph
Reverse	0-10 km/h	0-6.2 mph

Service Refill Capacities

Fuel Tank	260 L	69 gal
Diesel Exhaust Fluid (DEF) Tank	19 L	5 gal
Cooling System	24 L	6.3 gal
Engine Crankcase	11 L	2.9 gal
Final Drives (each)	18.5 L	4.9 gal
Hydraulic Tank	64 L	16.9 gal

Drawbar Pull



Hydraulic Controls

Bulldozer Relief Valve Setting	32 500 kPa	4,714 psi
Maximum Operating Pressure		
Implement	25 000 kPa	3,626 psi
Pump		
Pump Type	Piston-type, Variable Displacement	
Pump Output (Implement)	127 L/min	33.6 gal/min

Implement Pump output measured at 1,900 pm and 6895 kPa (1,000 psi).
Electro-hydraulic pilot valve assists operations of ripper and dozer controls. A standard hydraulic system includes four valves. Complete system consists of pump, tank, filter, oil cooler, valves, lines, and control levers.

Standards

Rollover Protective Structure (ROPS)/Falling Object Protective Structure (FOPS)/Operator Protective Structure (OPS)

- ROPS meets the following criteria: ISO 3471:2008.
- FOPS meets the following criteria: ISO 3449:2005 Level II.
- OPS screens meet OPS criteria per ISO 8084:2003 and WCB G604:2011.

Brakes

- Brakes meet the standard ISO 10265:2008.

Sound Level Information

Hearing protection may be needed when the machine is operated with an open operator station, in a noisy environment, with a cab that is not properly maintained, or when the doors and windows are open for extended periods of time.

Sound Level		Test Method
Operator Sound Pressure Level	78 dB(A)	"ISO 6396:2008"(1)
Exterior Sound Power Level	109 dB(A)	"ISO 6395:2008"(2)

(1)The measurement was conducted at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds. The measurement was conducted with the cab doors and the cab windows closed. The cab was properly installed and maintained.

(2)The measurement was conducted at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds.

The sound levels listed above include both measurement uncertainty and uncertainty due to production variation.

Vibration Levels	
Maximum Hand/Arm*	
ISO 5349:2001	2.5 m/s^2
Maximum Whole Body*	
ISO/TR25398:2006	0.5 m/s^2
Seat Transmissibility Factor	
ISO 7096:2020 – spectral class EM6	<0.7

*Values are for an experienced operator in a dozing application, consult the Operating and Maintenance Manual for further details.

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).

D4 Track-Type Tractor Specifications

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	Operating Weight*	13 272 kg	29,259 lb
	Shipping Weight**	13 006 kg	28,673 lb
	Ground Pressure (ISO 16754)	40.5 kPa	5.9 psi
	Undercarriage (Standard)	40 Section/ 8 Bottom Rollers	
1	Track Gauge	1770 mm	70 in
2	Width of Track Shoe (Standard)	560 mm	22 in
3	Width of Tractor	2330 mm	92 in
4	Length of Track on Ground	2653 mm	104 in
	Ground Contact Area (ISO 16754)	3.27 m^2	5,070 in^2
	Grouser Height (Moderate/Extreme Service)	48/57 mm	1.9/2.2 in
	Ground Clearance	350 mm	14.0 in
5	Machine Height***	2965 mm	117 in
6	Length of Basic Tractor****	5144 mm	181 in
	Add the following to the total length of the machine when these attachments are installed		
	Ripper	706 mm	27.8 in
	Ripper, with retrieval point	846 mm	33.3 in
	Counterweight	-141 mm	-5.6 in
	Winch	211 mm	8.3 in

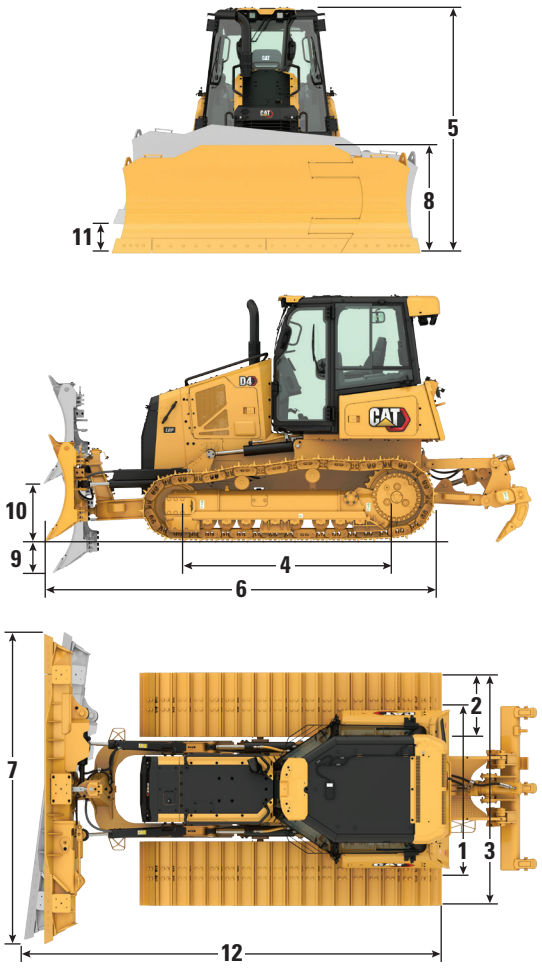
All dimensions above with Cat Abrasion™ undercarriage with Extreme Service shoes of maximum width for configuration, Variable Pitch Angle Tilt (VPAT) blade, and calculated per ISO 16754 unless otherwise specified.

**Operating weights: includes enclosed rollover protection structure (EROPS), A/C, lights, VPAT Dozer, VPAT blade, transmission, drawbar, engine enclosure, 3-valve hydraulics, 100% fuel, Cat Comfort Series air suspension seat and operator.*

***Shipping weight includes EROPS, A/C, lights, VPAT Dozer, VPAT blade, transmission, drawbar, engine enclosure, 3-valve hydraulics, 10% fuel, Cat Comfort Series air suspension seat.*

****Machine height from tip of grouser to top of ROPS cab.*

*****Length of Basic Tractor from blade to drawbar.*



LGP Model with Foldable VPAT Blade Shown

Blades

	Configuration	VPAT		Foldable VPAT	
	Capacity (ISO 9246)	3.26 m^3	4.26 yd^3	3.26 m^3	4.26 yd^3
7	Width across End Bits	3196 mm	10.5 ft	3196 mm	10.5 ft
	Width without End Bits	3097 mm	10.2 ft	3097 mm	10.2 ft
	Width across End Bits (Blade Angled 24°)	2920 mm	115 in	2920 mm	115 in
	Width without End Bits (Blade Angled 24°)	2829 mm	111.4 in	2829 mm	111.4 in
	Width of the Machine (Foldable Blade Angled 24° for transportation purpose only)	—		2371 mm	93.3 in
	Maximum Blade Angle	24°		24°	
8	Height	1291 mm	50.8 in	1291 mm	50.8 in
9	Dig Depth	470 mm	18.5 in	470 mm	18.5 in
10	Lift Height	953 mm	37.5 in	953 mm	37.5 in
11	Maximum Tilt at Blade Corner	226 mm	8.9 in	226 mm	8.9 in
	Maximum Tilt Angle	8°		8°	
	Pitch Adjustment	60° (cutting edge/ground, nominal); –2°/+4°			
12	Length of Machine (Blade Straight)	5142 mm	202.4 in	5142 mm	202.4 in
	Length of Machine (Blade Angled 24°)	5738 mm	226.3 in	5738 mm	226.3 in
	Blade Weight	1005 kg	2,215 lb	1195 kg	2,634.5 lb

D4 Track-Type Tractor Specifications

D4 LGP

	Operating Weight*	14 008 kg	30,882 lb
	Shipping Weight**	13 742 kg	30,296 lb
	Ground Pressure (ISO 16754)	31 kPa	4.5 psi
	Undercarriage (Standard)	40 Section/ 8 Bottom Rollers	
1	Track Gauge	2000 mm	79 in
2	Width of Track Shoe (Standard)	760 mm	30 in
3	Width of Tractor	2760 mm	109 in
4	Length of Track on Ground	2653 mm	104 in
	Ground Contact Area (ISO 16754)	4.46 m^2	6,912 in^2
	Grouser Height (Moderate/Extreme Service)	48/57 mm	1.9/2.2 in
	Ground Clearance	350 mm	14.0 in
5	Machine Height***	2965 mm	117 in
6	Length of Basic Tractor****	5144 mm	181 in
	Add the following to the total length of the machine when these attachments are installed		
	Ripper	706 mm	27.8 in
	Ripper, with retrieval point	846 mm	33.3 in
	Counterweight	-141 mm	-5.6 in
	Winch	211 mm	8.3 in

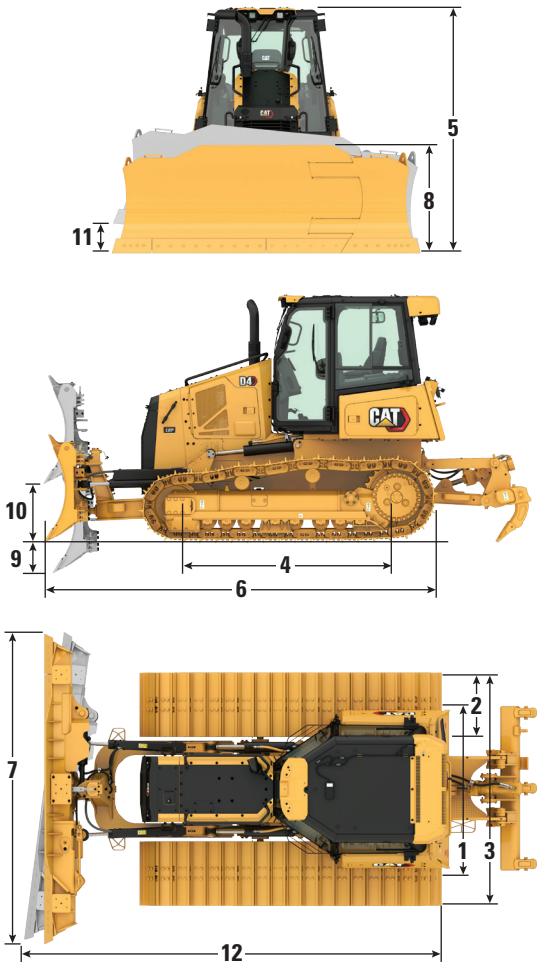
All dimensions above with Cat Abrasion™ undercarriage with Extreme Service shoes of maximum width for configuration, VPAT blade, and calculated per ISO 16754 unless otherwise specified.

**Operating weights: includes EROPS, A/C, lights, VPAT Dozer, VPAT blade, transmission, drawbar, engine enclosure, 3-valve hydraulics, 100% fuel, Cat Comfort Series air suspension seat and operator.*

***Shipping weight includes EROPS, A/C, lights, VPAT Dozer, VPAT blade, transmission, drawbar, engine enclosure, 3-valve hydraulics, 10% fuel, Cat Comfort Series air suspension seat.*

****Machine height from tip of grouser to top of ROPS cab.*

*****Length of Basic Tractor from blade to drawbar*



Foldable VPAT Blade Shown

Blades

	Configuration	LGP VPAT		Foldable LGP VPAT	
	Capacity (ISO 9246)	3.81 m^3	4.98 yd^3	3.81 m^3	4.98 yd^3
7	Width across End Bits	3684 mm	12.0 ft	3684 mm	12.0 ft
	Width without End Bits	3573 mm	11.7 ft	3573 mm	11.7 ft
	Width across End Bits (Blade Angled 24°)	3366 mm	132.5 in	3366 mm	132.5 in
	Width without End Bits (Blade Angled 24°)	3264 mm	128.5 in	3264 mm	128.5 in
	Width of the Machine (Foldable Blade Angled 24° for transportation purpose only)	—		2815 mm	110.8 in
	Maximum Blade Angle	24°		24°	
8	Height	1323 mm	52.1 in	1323 mm	52.1 in
9	Dig Depth	470 mm	18.5 in	470 mm	18.5 in
10	Lift Height	953 mm	37.5 in	953 mm	37.5 in
11	Maximum Tilt at Blade Corner	260 mm	10.2 in	260 mm	10.2 in
	Maximum Tilt Angle	8°		8°	
	Pitch Adjustment	60° (cutting edge/ground, nominal); –2°/+4°			
12	Length of Machine (Blade Straight)	5142 mm	202.5 in	5142 mm	202.5 in
	Length of Machine (Blade Angled 24°)	5837 mm	229.8 in	5837 mm	229.8 in
	Blade Weight	1105 kg	2,436 lb	1306 kg	2,879 in

D4 Track-Type Tractor Specifications

Track Shoes

Some track shoes not available in all regions. Please consult your Cat dealer for details.

	Standard		LGP
Heavy-Duty Extended Life (HDXL)	**510 mm (20 in)**	**560 mm (22 in)**	**760 mm (30 in)**
Extreme Service	✓	✓	✓
Self-Cleaning			✓
Cat® Abrasion	**510 mm (20 in)**	**560 mm (22 in)**	**760 mm (30 in)**
Moderate Service	✓	✓	✓
Extreme Service	✓	✓	✓

Precision Cutting Edges

Use Cat Precision Cutting Edges to protect your blade investment with 11%* more wear material. 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. Reversible edges made from through-hardened DH-2 for extended wear life.

*Compares Precision Cat cutting edges to legacy cutting edges.

Cat Track Wear Sensor

The Cat Track Wear Sensor (CTWS) is installed in a customized pocket and bore hole in the track link. The "tail" of the CTWS is equipped with wire loops that correspond to varying levels of track wear. As the track link is worn down, the loops are broken and the CTWS communicates that information wirelessly to the Cat Wear Management System (CWMS) monitored by the dealer.

This allows for undercarriage monitoring without manual track link measurements, and the information can be used to minimize downtime using the information to plan maintenance as needed.

Wear Sensor Triggers:

- 40% Conduct mid-life inspection
- 70% Signal to measure/order any needed replacement parts
- 100% Plan to replace

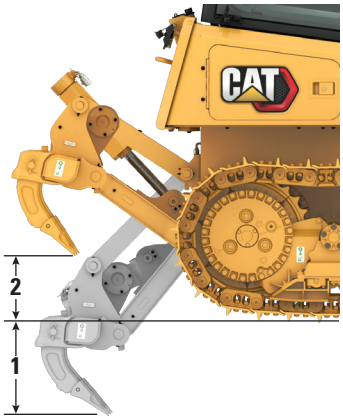
Heavy Duty/Forestry Dozer

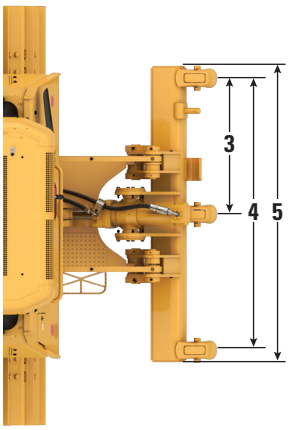
You can outfit your D4 with a variety of factory options designed to provide added protection in heavy-duty applications like forestry and land clearing. Please consult with your Cat dealer about the variety of options available to best equip your dozer for the work that you do:

- Heavy-duty cab with polycarbonate windows
- Cab protection package with sweeps and rear screen
- Heavy-duty cab protection package with sweeps, rear screen, side screen, rear light guards
- Rear screen
- Heavy-duty front protection package with heavy-duty radiator grill and standard crankcase guard
- Heavy-duty protection package with heavy-duty radiator grill, heavy-duty fuel tank guard, heavy-duty crankcase guard (also available for fast fill/fast fill ready models)
- Heavy-duty undercarriage
- Extreme service track shoes with heavy-duty undercarriage
- Track guiding guards
- Six or eight LED lights

Ripper

	Type	Fixed Parallelogram	
1	Maximum Penetration	360 mm	14.2 in
2	Maximum Clearance, Raised (Shank Tip)	488 mm	19.2 in
3	Pocket Spacing	896 mm	35.3 in
4	Shank Gauge	1792 mm	70.6 in
	Shank Section	58.5 mm × 138 mm	2.3 in × 5.4 in
	Number of Pockets	3	
5	Overall Beam Width	1951 mm	76.8 in
	Beam Cross Section	165 mm × 211 mm	6.5 in × 8.3 in
	Weight with One Shank	845 kg	1,863 lb
	Each Additional Shank	34 kg	75 lb
	Maximum Penetration Force		
	D4	42.2 kN	9,480 lb
	D4 LGP	45.1 kN	10,138 lb
	Maximum Pry-out Force		
	D4	166.7 kN	37,480 lb
	D4 LGP	166.7 kN	37,480 lb





Winch

Winch Model	PA50	
Winch Drive	Hydrostatic	
Weight*	907 kg	2,000 lb
Winch and Bracket Length	845 mm	33.2 in
Winch Case Width	740 mm	29.1 in
Drum Diameter	205 mm	8 in
Drum Width	274 mm	11 in
Flange Diameter	457 mm	18 in
Drum Capacity (recommended rope)	93 m	306 ft
Drum Capacity (optional rope)	67 m	220 ft
Rope Recommended Diameter	19 mm	0.75 in
Optional Cable Size	22 mm	0.87 in
Cable Ferrule Size (O.D.)	54 mm	2.13 in
Cable Ferrule Size (length)	67 mm	2.63 in
Maximum Bare Drum		
Line Pull	222.4 kN	50,000 lbf
Line Speed	38 m/min	124 ft/min
Maximum Full Drum		
Line Pull	115.7 kN	26,000 lbf
Line Speed	70 m/min	230 ft/min

*Weight includes pump, operator controls, oil, mounting brackets, and spacers.

Dozer Technology Features

Assist technology features help operators of varied experience levels get the job done faster and more accurately. Grade offerings help further enhance your productivity, efficiency, and jobsite safety.

The cab is Third-Party Grade Control Ready and equipped with controller area network (CAN) interface, harness pass-throughs, and mounting features to make it easier to install the grade control system of your choice.

Cat Assist with ARO	
Attachment Ready Option (ARO)	ARO provides wiring and mounting provisions for dealer installation of Grade with 3D, AccuGrade, UTS, or other grade control systems.
Cat Grade with Slope Assist™	Slope Assist automatically maintains pre-established blade position without a Global navigation satellite system (GNSS)/Global Positioning System (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.
Steer Assist	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 cross slopes. No GNSS/GPS required.
Stable Blade	Stable Blade works seamlessly with operator inputs to help produce a smoother surface when operating manually.
Slope Indicate	Slope Indicate is included in the main machine display and shows side slope and uphill/downhill grades to help operators with slope work.
Blade Load Monitor	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.[1]
Traction Control	Traction Control automatically reduces track slip to save you time, fuel, and track wear.[1]
AutoCarry™	AutoCarry automates blade lift to help you maintain consistent blade load and help reduce track slip.[1]
Cat Grade 3D Ready (Hardware Only)	
Includes all features from Cat Assist with ARO listed above, plus:	
Cat Grade with 3D (hardware only)	Factory integrated Cat Grade with 3D uses GNSS/GPS to control the blade so you can get to design plan faster. Low profile antennas are integrated into the cab roof and GNSS/GPS receivers are mounted inside the cab for better protection.[2]
Dedicated Touchscreen Grade Display	Full-color Grade operator interface is intuitive and easy to use. The 254 mm (10 in) touchscreen uses an Android OS platform and operates like a smart phone.

NOTE: Grade 3D Ready option requires additional license purchase and installation to upgrade to a fully functional Grade 3D system. Consult your Cat dealer for more information.

Cat Grade 3D with Assist	
Includes all features from Cat Grade 3D Ready (Hardware Only) listed above, plus:	
Steer Assist 3D	Automatically follow guidance lines from site design plans (or Infield designs) under light load or heavy load.[2]

NOTE: Includes reauired licenses and software.

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

[2]Requires Software Enabled Attachment (SEA) installation when not configured from the factory.

Note: Grade and Assist technologies, except Slope Indicate, Blade Load Monitor and Traction Control, are not compatible with angle or specialty blades. Please consult your Cat dealer for details.

Cat Detect for Dozers

Cat Detect for Dozers delivers the power to see, sense, and manage potential hazards by supplementing operator attention, perception, and situational awareness. These features are available from the factory; however, cabs on machines with serial number 20,000+ are equipped with the internal wiring to enable easy upgrade at the dealer. Retrofit kits may be available for older models. Consult your Cat dealer for details.

See	
Rear Vision	Rearview camera shows on primary display and automatically switches to full screen when machine is placed in reverse gear. Guide markings display on the image to helps operators visualize their machine's path and proximity to objects.
Surround Vision	Rear camera is upgraded to a smart camera (People Detection Ready), with the addition of three more cameras on the front and sides of the machine. Full-color, 203 mm (8 in) dedicated touchscreen display mounted above the right side window displays an always-on 360° view around the machine.
NOTE: Rear smart camera requires additional license purchase and installation to upgrade to fully functional Rear People Detection.	
Sense	
Seat Belt System	**Seat Belt Alert** – Audibly and visually prompts operators to stay buckled up. An optional external lamp can be installed using the dedicated connection point. The lamp mounts to the cab to serve as a clear indicator of the operator's attention to safety.
	Seat Belt Misuse – Identifies situations where the belt is latched but not properly secured over a seated operator (for example, buckled behind the seat). When misuse is detected, audible and visual alerts activate in the cab.
	Seat Belt Inhibit – Can prevent the machine from traveling if the seat belt is not fastened. This feature supports regional regulartory requirements and is intended to intervene before unsafe operation occurs.
Rear People Detection	People detection empowers operators by delivering actionable information at the right time. When the system detects a person/people in the detection zones behind the machine, it sends visual and audible alerts to the operator using the in-cab display. Detect alerts are categorized into three zones behind the machine: critical, caution, and awareness. Detection will occur up to 8 m (26 ft) behind and to the sides of machine at low speeds and will extend at higher speeds.
Detect External Alarm Ready	The machine is equipped with the wiring to install an external alarm to audibly alert anyone around the machine with the same alerts the operator hears in the cab.
NOTE: Includes required licenses and software.	
Mitigate	
Reverse Motion Inhibit	Prevents the machine from going into either forward or reverse gear when machine is stationary and there is an active detection in the critical (red) zone behind the machine. Movement will also be inhibited if the operator is trying to counter-rotate the machine.
Manage	
VisionLink™	VisionLink safety features give visibility to leading indicators that provide business insights through the power of data analytics. Safety events such as a person detection or seat belt misuses are communicated to VisionLink, allowing users to visualize them by site, machine, or time to gain deeper insights and inform continuous improvement.

D4 Track-Type Tractor Specifications

Cab Options

	Standard	Premium	Heavy Duty
One-piece cab, sound suppressed	●	●	●
Integrated rollover protection IROPS/FOPS	●	●	●
Laminated safety glass	●	●	●
Polycarbonate glass doors	X	X	●
Sliding side windows	●	●	●
Protective screen ready	●	●	●
10-inch (254 mm) touchscreen display	●	●	●
Cloth seat with lumbar support	●	X	●
Heated and ventilated cloth and leather seat with air adjust lumbar support	X	●	X
Standard joysticks	●	X	●
Heated joysticks	X	●	X
Cupholders	●	●	●
Engine decelerator and brake pedal	●	●	●
Adjustable armrests and machine controls	●	●	●
Electro-hydraulic implement and steering controls	●	●	●
Adjustable footrests	●	●	●
Glovebox	●	●	●
Lunchbox storage	●	●	●
Machine Security System	●	●	●
Mirror, rearview	●	●	●
Operator Presence Switch	●	●	●
Seatbelt, retractable, 76mm (3 inch)	●	●	●
Four-zone wipers with intermittent speed	●	●	●
Two 12VDC outlets	●	●	●
AM/FM radio with Bluetooth®, USB, and AUX inputs	○	○	○
Microphone	○	○	○
Rear camera	●	●	●
360 Vision with Detect	○	○	○
360 Vision with Detect Ready	○	○	○
360 Vision Ready	●	●	●
Detect Ready	●	●	●
Emergency hammer	○	○	○
Protective rear screen, hinged	○	○	○
Protective side screens, fixed	○	○	○
Beacon light	○	○	○
Automatic Temperature Control	●	●	●

● Standard ○ Optional X Not available

Standard and Optional Equipment

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

	Standard	Optional
POWERTRAIN		
Cat® C4.4	✓	
ADEM A6 Electronic Control Module	✓	
Air-to-air aftercooling (ATAAC)	✓	
Glow plug starting aid	✓	
3000 m (9,840 ft) altitude operation capability without derating	✓	
Hydraulically driven, variable speed fan	✓	
Auto-reversing fan		✓
Aluminum bar plate cooling system (radiator, powertrain, aftercooler)	✓	
Air cleaner with integrated precleaner, dust ejector, and under-hood air intake	✓	
Air cleaner with turbine precleaner		✓
Electrical lift/priming pump	✓	
Engine decelerating function (rotary switch and pedal engine speed control)	✓	
Hydrostatic, infinite variable speed transmission	✓	
Selections and electronic control enhancements for the transmission/ engine system	✓	
Programmable/selectable bi-directional shifting	✓	
Engine Idle Shutdown	✓	
Auto Engine Speed Control	✓	
Emergency engine (fire suppression applications)*		✓
CAT TECHNOLOGY		
Slope Indicate	✓	
Cat Assist with ARO (Attachment Ready Option) Package*	✓	
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	✓	
Operator ID	✓	
Machine Security – Passcode	✓	
Machine Security – Bluetooth		✓
Cat Detect Ready with Surround Vision***		✓
Cat Detect Ready with Surround Vision and Rear People Detection***		✓

	Standard	Optional
UNDERCARRIAGE		
Heavy-Duty Undercarriage	✓	
Cat Abrasion Undercarriage	✓	
Cat Abrasion Extended Life Undercarriage		✓
Center-tread, sprocketed idler with Cat Abrasion or standard idler with Heavy-Duty	✓	
Lifetime lubricated track rollers (8 + 2 carrier rollers) and idlers	✓	
Tracks: 40 sections – 560 mm (22 in) Heavy-Duty Extreme Service (ES) for standard model	✓	
Tracks: 40 sections – 760 mm (30 in) Heavy-Duty Extreme Service (ES) for LGP model	✓	
Hydraulic track adjusters	✓	
Replaceable sprocket rim segments	✓	
Center track guiding guard		✓
Center track guiding guard – Cat Abrasion Extended Life		✓
Full track guiding guard		✓
Front and rear track guiding guard		✓
LGP Waste Handling Final Drive Guards*		✓
BLADES		
Variable Pitch Angle Tilt (VPAT) blade	✓	
Foldable VPAT blade		✓
Manual blade pitch	✓	
Powered blade pitch		✓
Blade Shake	✓	
Precision Cutting Edges	✓	
HYDRAULICS		
Three valve-hydraulics	✓	
Load sensing hydraulics	✓	

*Available in North America only.

**Refer to page 8 for technology package details.

***Refer to page 9 for Cat Detect package details.

(continued on next page)

D4 Standard and Optional Equipment

Standard and Optional Equipment *(continued)*

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

	Standard	Optional
ELECTRICAL		
Horn	✓	
Back-up alarm	✓	
12V converter, 10A diagnostic connector	✓	
950 CCA class 31 batteries	✓	
Standard Lights – 6 LED	✓	
Premium Lights – 12 LED		✓
105 Amp brush-type alternator (24 volt)	✓	
24V electric starter	✓	
Cold weather starter		✓
Cold weather package (120V)		✓
Cold weather package (240V)		✓
Heated, insulated breather		✓
SERVICE AND MAINTENANCE		
Fast fuel fill		✓
Shovel mounting bracket		✓
Fuel refilling pump		✓
High speed oil change		✓
Antifreeze coolant (–37° C/–34.6° F)	✓	
Extended life coolant	✓	
Cat HYDO™ Advanced 10 hydraulic fluid	✓	
Bio hydraulic oil		✓
Extended service intervals (1,000 hours**** engine oil and filter, 1,000 hours power train)	✓	
Ecology drains (engine oil, engine coolant, hydraulic)	✓	
Scheduled Oil Sampling (S·O·S^{SM}) ports (engine, hydrostatic, hydraulics and engine coolant)	✓	
Hinged radiator louvered grill	✓	

	Standard	Optional
ATTACHMENTS		
Front pull device	✓	
Rigid drawbar	✓	
Ripper ready package		✓
Ripper ready package, powerpitch*		✓
Winch ready package		✓
Dual (ripper and winch) ready package		✓
Dual (ripper and winch) ready package, powerpitch*		✓
Ripper package, curved		✓
Ripper package, straight		✓
Winch preparation		✓
Drawbar	✓	
Counterweight, rear		✓
Counterweight, rear slab		✓
Rear attachment, none		✓
DEALER INSTALLED ATTACHMENTS		
Hydraulic winch arrangement		✓
Fairlead, three rollers		✓
Fourth roller conversion kit		✓
Winch step		✓
GUARDING		
Standard protection package (bottom guard, fan guard)	✓	
Front protection package		✓
Heavy-duty protection package		✓
CAB PROTECTION		
Cab standard protection package (sweeps, rear screen)		✓
Cab heavy-duty protection package (sweeps, rear screen, side screens, rear light guards)		✓
Cab rear screen		✓
OTHER STANDARD EQUIPMENT		
C-Frame, cylinders, and lines	✓	
Crankcase guard	✓	
Perforated engine enclosures	✓	
Lockable engine enclosures	✓	

*Available in North America only.

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

D4 Environmental Declaration

The following information applies to the machine at the time of final manufacture as configured for sale in the regions covered in this document. The content of this declaration is valid as of the date issued; however, content related to machine features and specifications are subject to change without notice. For additional information, please see the machine's Operation and Maintenance Manual.

For more information on sustainability in action and our progress, please visit https://www.caterpillar.com/en/company/sustainability.

Engine

- The Cat® C4.4 engine meets U.S. EPA Tier 4 Final and EU Stage V, Japan 2014, and Korea Stage V emission standards.
- 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 Caterpillar 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).*

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).

Paint

- Based on best available knowledge, the maximum allowable concentration, measured in parts per million (PPM), of the following heavy metals in paint are:
  - Barium < 0.01%
  - Cadmium < 0.01%
  - Chromium < 0.01%
  - Lead < 0.01%

Sound Performance

With cooling fan speed at 70% of the maximum value:

Guaranteed Exterior Sound Power Level (2000/14/EC ISO 6395:2008) – 109 dB(A)
Dynamic Operator Sound Pressure Level (ISO 6396:2008) – 78 dB(A)

- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in a noisy environment.

Oils and Fluids

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio HYDO™ Advanced is an EU Ecolabel approved biodegradable hydraulic oil.
- Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
  - Eco mode minimizes fuel consumption for light applications
  - Save fuel with efficiency features such as engine idle shutdown
  - Extended maintenance intervals reduce fluid and filter consumption
  - Cut maintenance costs with extended maintenance intervals
  - Boost productivity with Cat Assist and Grade technologies.
  - Remote Flash and Remote Troubleshoot

Recycling

- The materials included in machines are categorized as below with approximate weight percentage. Because of variations of product configurations, the following values in the table may vary.

Material Type	Weight Percentage
Steel	78.02%
Iron	7.86%
Other	4.00%
Nonferrous Metal	3.07%
Uncategorized	2.81%
Rubber	1.42%
Mixed Metal	1.37%
Fluid	0.74%
Plastic	0.68%
Mixed-Metal and Nonmetal	0.03%
Mixed Nonmetallic	0.02%
Total	100.00%

- A machine with higher recyclability rate will ensure more efficient usage of valuable natural resources and enhance End-of-Life value of the product. According to ISO 16714:2008 (Earth-moving machinery – Recyclability and recoverability – Terminology and calculation method), recyclability rate is defined as percentage by mass (mass fraction in percent) of the new machine potentially able to be recycled, reused or both.

  All parts in the bill of material are first evaluated by component type based on a list of components defined by the ISO 16714 and Japan CEMA (Construction Equipment Manufacturers Association) standards. Remaining parts are further evaluated for recyclability based on material type.

  Because of variations of product configurations, the following value in the table may vary.

Recyclability – 93%



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

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