

D1/D2/D3

DOZERS



Maximum Performance

More Power and Durability

Enhanced Technology

Improved Fuel Efficiency



CAT® D1/D2/D3

PERFORMANCE AND EFFICIENCY

Cat® dozers deliver superior performance and the broadest choice of standard and optional features and technology to help you get the most from your machine. Nimble and responsive, they have power for dozing and finesse for grading, and get any job done quickly and efficiently.



CAT DOZERS

SET THE STANDARD



BUILT FOR MAXIMUM PRODUCTIVITY

- + Fully hydrostatic transmission provides seamless acceleration
- + Load-sensing system automatically optimizes ground speed based on load
- + Improved visibility and a comfortable workspace ensure maximum operator productivity
- + Enhanced technology features work to save time, effort, fuel, machine wear and overall operating costs

UP TO 10% IMPROVED FUEL ECONOMY

- + Lowers operating costs
- + Lowest fuel consumption in this size class
- + Same great performance you've come to expect
- + Up to 20% improvement and no performance sacrifice with Eco mode active
- + Engine efficiency enhancements

EASY OPERATION

The hydrostatic transmission provides infinite speed control – just choose the speed and go. The load-sensing system automatically optimizes ground speed based on load for the greatest productivity and fuel efficiency.

OPERATOR STATION

THE COMFORT AND CONTROL FOR A PRODUCTIVE SHIFT



IMPROVED VISIBILITY

The angle of the hood enhances the peripheral vision for the operator. The sloped hood allows for better assessment of the work in front of the blade and jobsite awareness. Better visibility can equal less operator fatigue and more confidence in your work.

WORKSPACE

Regardless of operator stature, step into a spacious and comfortable cab that resets the industry standard. An optional heated and ventilated seat, along with heated joystick controls, make the operator comfortable, no matter what the conditions are outside. The seat height adjustment is now easier to access, and armrests can be quickly adjusted to operator's preference – no tools required!

BIGGER, BETTER DISPLAY WITH CAMERA

Optional 254 mm (10 inch) touchscreen, color display is easy to use, with a great view of machine settings, rearview camera and Slope Indicate/Slope Assist™ screens. The large reversing camera gives the operator better visibility to the jobsite, as well as less fatigue at the end of the day. Additionally, the Key Features button gives the operator an overview of machine features, along with some helpful operating tips.

ENHANCED TECHNOLOGY

MAKES OPERATION EASIER AND MORE EFFICIENT

OPERATOR ASSIST TECHNOLOGY

SLOPE ASSIST™

Helps operators of varied experience levels work faster with improved accuracy. Fewer inputs means easier operation – easily maintain blade angles for better surface quality.



STEER ASSIST

Automates track steering with light or heavy loads while automating blade tilt steering to help push loads with less effort. Helps reduce operator inputs by up to 75% and enhances operator efficiency and productivity.

STABLE BLADE LIFT AND TILT

Automatically works behind the scenes to allow operators to create smooth surfaces with less effort, using accelerometers on the blade and chassis with an advanced algorithm to make minor blade raise and lower movements.



BLADE LOAD MONITOR

Provides real-time feedback of current load vs. target load to fully utilize machine capacity, benefiting operators of all skill levels. Automatically compensates for ground conditions. This feature is not available indoors or in areas where a GPS signal is not available.

LOW SLIP TRACTION CONTROL

Prevents excessive track slip to improve machine efficiency and reduce burden on the operator. Feature offers two modes: Normal mode helps when pushing heavy blade loads by limiting non-productive track slip – recommended for most applications and Low Slip mode limits track slip for applications sensitive to slip, such as spreading material on top of a liner.



AUTOCARRY™

Raises and lowers the blade to maximize pushing capability and prevent excessive track slip when pushing heavy loads. Feature is designed to work in unison with other Operator Assist features. Not available indoors or in areas where a GPS signal is not available.

CAT GRADE 3D

Cat Grade 3D saves time, improves accuracy and increases productivity up to 50% compared to traditional grading, using a GPS signal to automatically adjust blade movements – both lift and tilt.

STEER ASSIST 3D

Requires Cat Grade 3D to automatically follow guidance lines from a site design plan under light or heavy loads, reducing the number of passes with precision. Increase heavy dozing productivity by using AutoCarry, Traction Control and Cat Grade 3D with Steer Assist 3D using blade tilt steering, especially for less experienced operators.



CAT COMMAND REMOTE CONTROL

Cat Command is an optional feature that takes you off the machine and away from hazardous conditions, dust, noise vibration or operating on unstable surfaces. Remote control operation also eliminates risk of injury from climbing on or off the machine. Integrated with dozer systems, Cat Command enables smooth, precise control, with access to all machine functions and advanced features (if equipped) for maximum efficiency and productivity.



Cat Equipment Management

Takes the guesswork out of managing your equipment

Cat Equipment Management 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.

CAT PRODUCT LINK™

Product Link™ hardware 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 (apps).



VISIONLINK™

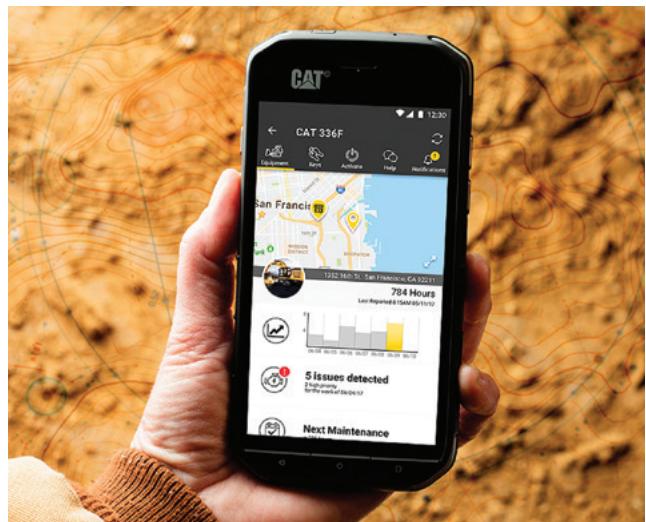
Access information anytime, anywhere with VisionLink™ – and use it to make informed decisions that boost productivity, lower costs, simplify maintenance and improve safety and security on your jobsite. Your Cat dealer can help you configure exactly what you need to connect your fleet and manage your business.



REMOTE SERVICES

Manage your assets – at any time – right from your smart device. See fleet location and hours, get critical required maintenance alerts and even request service from your local Cat dealer.

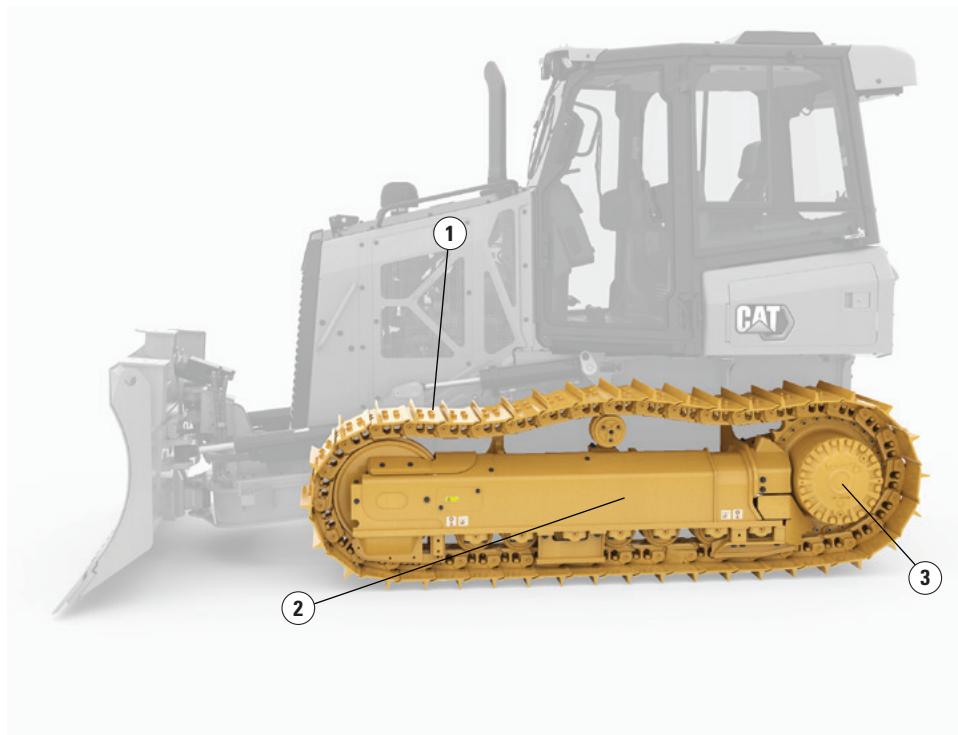
- + Remote Troubleshoot allows your Cat dealer to run testing while the machine is operating. Once the problem is identified, a technician can fix it with the correct parts and tools the first time, saving time and money. Remote Troubleshoot decreases maintenance time and keeps your machine running with maximum efficiency.
- + Remote Flash sends an alert from your Cat dealer, prompting you to update the software on your machine. To minimize downtime, updates can be deployed while on the jobsite without having to wait for a dealer technician to arrive.
- + Cat Inspect allows you to 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. More than one million inspections are completed each year, providing convenience and accountability to equipment owners.



DURABILITY

UNMATCHED POWER WITHOUT COMPROMISING MACHINE LONGEVITY

The dozer final drive provides a large, double-reduction planetary gear set that allows the machine to push heavy loads. The undercarriage has a longer life, less downtime and is standard on all Cat dozers. A one-piece mainframe/track roller frame design gives the machine the strength to carry pushing loads.



1. Two track offerings: Sealed and Lubricated Track (SALT)/Abrasion
2. Track roller frame
3. Final drive



FINAL DRIVE

- + Large planetary gear set
- + Heavy pushing load spread over multiple gears
- + Longer life and less downtime
- + Standard on all Cat dozers

SALT

- + Cost-effective
- + Eliminates internal pin and bushing wear
- + Long life
- + Universal applications

ABRASION

- + Longer undercarriage wear life
- + No link-assembly maintenance
- + No downtime for bushing turns
- + Less cost per hour by using full link life without a bushing turn
- + For high-abrasion applications



PUSH MORE. GRADE MORE. POWER YOU CONTROL.

AUTOMATIC TRACTION CONTROL

Reduces track slippage with no operator interaction, resulting in less ground disturbance and fewer passes.

POWER TURN

Power to each track allows the dozer to carry heavy loads around turns.

COUNTERROTATION

Quick and easy spot turns, along with the ability to control dozer direction during heavy side loads.

SMOOTH CONTROLS

Controls with low operator effort provide predictable maneuverability.

VERSATILITY

SOLUTIONS TO SUIT YOUR UNIQUE APPLICATIONS AND WORK

We offer a full lineup of specialty dozer attachments and purpose-built machine configurations for unique applications.

Configure your machine to the application.

FORESTRY

- + Sweeps
- + Screens
- + Hinged radiator grill
- + External precleaner

SPECIALTY APPLICATIONS

- + Fire Suppression Dozer – firefighting and prevention
- + Shiphold – bulk material handling operations
- + D1 SSLGP – super super low ground pressure to avoid ground disturbances

WINCH

- + Retrieval – great performance, easy to install
- + High-performance – maximum line speed and pull

RIPPER

- + Parallelogram linkage
- + Three-shank



Fire Suppression Dozer



D1 SSLGP



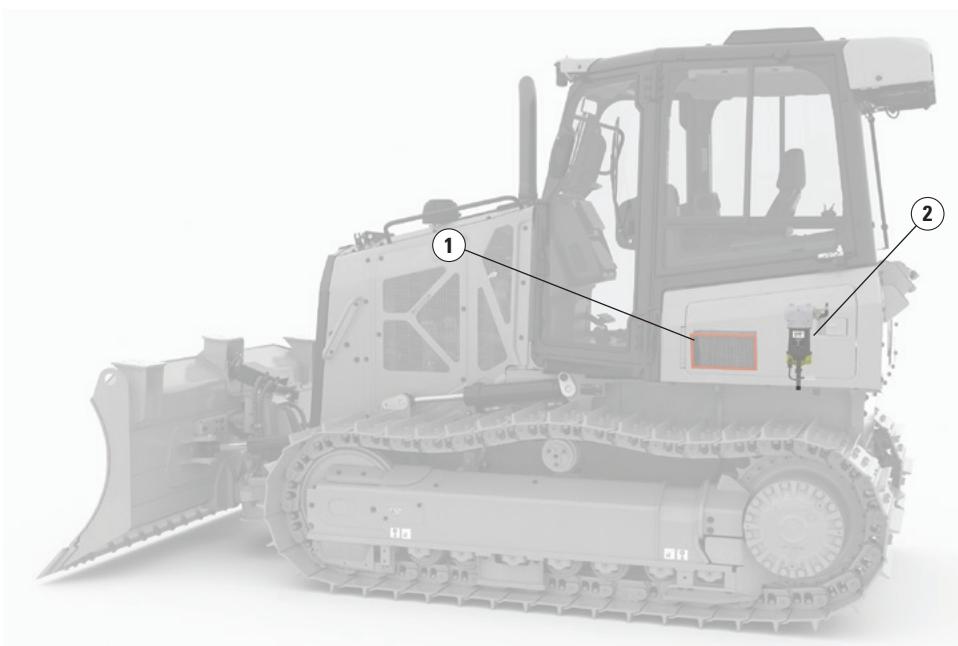
Shiphold



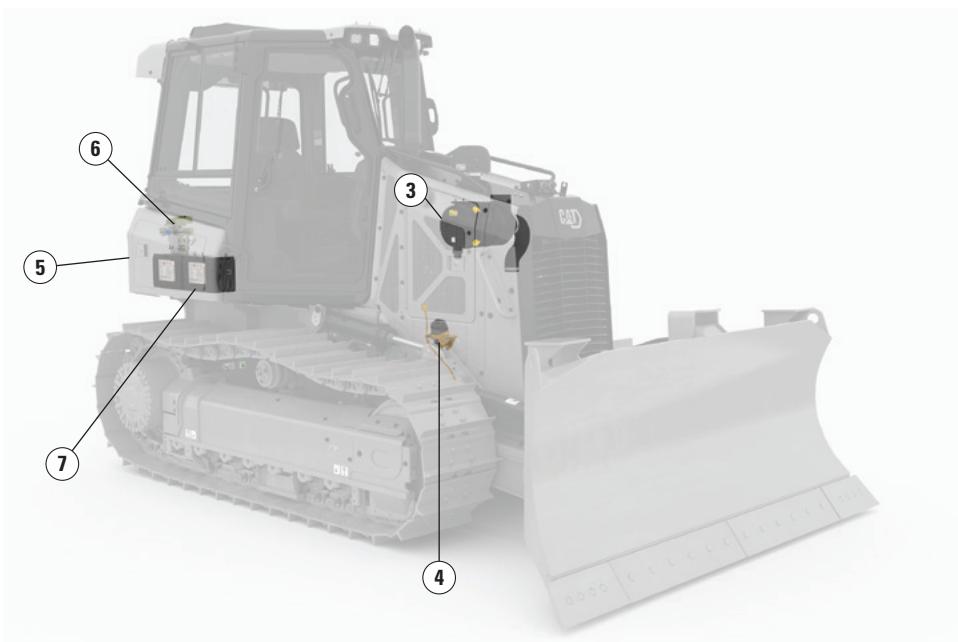
Retrieval Winch

MAINTENANCE

MAKING UPKEEP MANAGEABLE



Next generation Cat dozers are easier than ever to service, with ground-level access to daily maintenance areas. Additionally, there are new options available to further simplify service, with the turbine-type precleaner, reversing fan and hinged radiator grill.



1. Cab air filter
2. Fuel filter
3. Engine air filter
4. Engine oil filter
5. Master disconnect switch
6. Hydraulic oil filter
7. Batteries

CAT AFTERMARKET SOLUTIONS



MAINTENANCE AND CAT PARTS

Get the most out of your investment by maintaining your dozer with genuine Cat parts – the only parts designed specifically for your machine. Increase uptime and ensure optimum performance from your equipment.

CAT UPGRADES AND TECHNOLOGY

Upgrade your machine based on your needs in the field. From improving safety with Cat Command that allows operators to run a dozer remotely, to increasing productivity with dozer grade technology, explore the full range of upgrades for your dozer at your local Cat dealer.

CAT DEALER SERVICE

Cat machine customers are supported by the largest, most experienced dealer network in the industry. When you work with a Cat dealer, you get more than basic maintenance or parts. You get a personal partner who will do whatever it takes to help you succeed.

CAT CUSTOMER VALUE AGREEMENTS

A Customer Value Agreement helps you control ownership costs over the life of your machine and gives you the peace of mind knowing you have access to genuine Cat parts for replacement, helping you reduce downtime and improve productivity.

TECHNICAL SPECIFICATIONS

See cat.com for complete specifications.

ENGINE		
Engine model	Cat® C3.6	
Emissions	U.S. EPA Tier 4 Final, EU Stage V, Japan 2014 (Tier 4 Final), Korea Stage V	
Build number	12B	
Powertrain	Hydrostatic	
Net power* – 2,200 rpm		
D1 SAE J1349	59.7 kW	80 hp
D1 ISO 9249, 80/1269/EEC	59.7 kW	80 hp
D2 SAE J1349	68.8 kW	92 hp
D2 ISO 9249, 80/1269/EEC	68.8 kW	92 hp
D3 SAE J1349	77.6 kW	104 hp
D3 ISO 9249, 80/1269/EEC	77.6 kW	104 hp
Displacement	3.6 L	220 in ³

*Net power is tested per ISO 9249:2007 and SAE J1349:2011 and as advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.

Cat U.S. EPA Tier 4 Final, EU Stage V, Japan 2014 and Korea Stage V diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels** up to: 20% biodiesel FAME (fatty acid methyl ester) or 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.

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

Diesel Exhaust Fluid (DEF) used in Cat Selective Catalytic Reduction (SCR) systems must meet the requirements outlined in the International Organization for Standardization (ISO) standard 22241.

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf (Europe). See label or instruction manual for gas refrigerant identification. If machine is equipped with R134a (Global Warming Potential = 1430), the system contains 1.8 kg (4.0 lbs) of refrigerant, which has a CO₂ equivalent of 2.574 metric tonnes (2.873 tons). If machine is equipped with R1234yf (Global Warming Potential = 0.501), the system contains 1.7 kg (3.75 lbs) of refrigerant, which has a CO₂ equivalent of less than 0.001 metric tonnes (0.001 tons).

SERVICE REFILL CAPACITIES		
Fuel tank	195 L	51.5 gal
Crankcase and filter	10.5 L	2.8 gal
Final drive (each side)	10 L	2.6 gal
Final drive, LGP (each side)	10 L	2.6 gal
Cooling system	19 L	5 gal
Transmission/hydraulic tank	90 L	23.8 gal
Diesel Exhaust Fluid (DEF) tank	19 L	4.9 gal

MACHINE	OPERATING WEIGHT	GROUND PRESSURE
D1 Standard	8099 kg 17,855 lbs	44.5 kPa 6.45 psi
D1 LGP	8545 kg 18,839 lbs	22.9 kPa 4.3 psi
D1 LGP 762 mm (30 in)	8752 kg 19,295 lbs	25.5 kPa 3.7 psi
D1 SSLGP	9572 kg 21,103 lbs	16 kPa 2.32 psi
D2 Standard	8338 kg 18,382 lbs	39.5 kPa 5.7 psi
D2 LGP	8648 kg 19,066 lbs	29.7 kPa 4.3 psi
D3 Standard	9362 kg 20,640 lbs	38.9 kPa 5.7 psi
D3 LGP	9693 kg 21,369 lbs	31.2 kPa 4.5 psi
D3 LGP, 762 mm (30 in)	9893 kg 21,810 lbs	27.2 kPa 3.9 psi
For machine with ripper, add 554 kg (1,222 lb).		
Specifications shown are for machine equipped with dozer blade, Enclosed Roll Over Protective Structure (EROPS) cab, back up alarm, operator, coolant, lubricants and full fuel tank.		

BLADES	CAPACITY	WIDTH
D1 Standard	1.52 m ³ 1.99 yd ³	2646 mm 104.2 in
D1 LGP	1.99 m ³ 2.17 yd ³	3149 mm 124 in
D1 LGP 762 mm (30 in)	1.99 m ³ 2.17 yd ³	3149 mm 124 in
D1 SSLGP	1.2 m ³ 1.57 yd ³	3470 mm 136.6 in
D2 Standard	1.98 m ³ 2.59 yd ³	2782 mm 109.5 in
D2 LGP	1.85 m ³ 2.42 yd ³	3149 mm 124 in
D3 Standard	2.19 m ³ 2.86 yd ³	2782 mm 109.5 in
D3 LGP	2.34 m ³ 3.06 yd ³	3220 mm 126.7 in

(continued on next page)

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

TECHNICAL SPECIFICATIONS (continued)

See cat.com for complete specifications.

DIMENSIONS***	STANDARD	LGP	LGP 762 mm (30 in)	SSLGP
D1 track gauge	1495 mm (58.9 in)	1725 mm (67.9 in)	1860 mm (73 in)	2080 mm (81.9 in)
D1 width of dozer (standard shoe without blade)	1900 mm (74.8 in)	2360 mm (92.9 in)	2411 mm (94.9 in)	3070 mm (120.9 in)
D1 dozer height	2765 mm (108.9 in)	2765 mm (108.9 in)	2765 mm (108.9 in)	2790 mm (109.8 in)
D1 overall length (with blade)	4273 mm (168 in)	4262 mm (167.8 in)	4262 mm (167.8 in)	4650 mm (183.1 in)
D1 length of basic dozer (without blade)	3291 mm (129.6 in)	3291 mm (129.6 in)	3291 mm (129.6 in)	4250 mm (167.3 in)
with ripper attachment (add to length of basic dozer)	1177 mm (46.3 in)			
D1 ground clearance	332 mm (13 in)	332 mm (13 in)	332 mm (13 in)	405 mm (15.9 in)

DIMENSIONS***	STANDARD	LGP
D2 track gauge	1495 mm (58.9 in)	1725 mm (67.9 in)
D2 width of dozer (standard shoe without blade)	1900 mm (74.8 in)	2360 mm (92.9 in)
D2 dozer height	2765 mm (108.9 in)	2765 mm (108.9 in)
D2 overall length (with blade)	4273 mm (168 in)	4262 mm (167.8 in)
D2 length of basic dozer (without blade)	3291 mm (129.6 in)	3291 mm (129.6 in)
with ripper attachment (add to length of basic dozer)	1177 mm (46.3 in)	1177 mm (46.3 in)
D2 ground clearance	332 mm (13 in)	332 mm (13 in)

DIMENSIONS***	STANDARD	LGP	LGP 762 mm (30 in)
D3 track gauge	1600 mm (63.0 in)	1750 mm (67.9 in)	1860 mm (73 in)
D3 width of dozer (standard shoe without blade)	2110 mm (83 in)	2410 mm (94.9 in)	2630 mm (103.5 in)
D3 dozer height	2769 mm (109 in)	2769 mm (109 in)	2769 mm (109 in)
D3 overall length (with blade)	4337 mm (170.7 in)	4309 mm (169.6 in)	4309 mm (169.6 in)
D3 length of basic dozer (without blade)	3270 mm (128.7 in)	3270 mm (128.7 in)	3270 mm (128.7 in)
with ripper attachment (add to length of basic dozer)	1177 mm (46.3 in)	1177 mm (46.3 in)	1177 mm (46.3 in)
D3 ground clearance	332 mm (13 in)	332 mm (13 in)	332 mm (13 in)

***Abrasion undercarriage

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

STANDARD & OPTIONAL EQUIPMENT

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

POWERTRAIN	STANDARD	OPTIONAL	ATTACHMENTS	STANDARD	OPTIONAL
Air cleaner with precleaner, automatic dust ejection and underhood intake	•		Rigid drawbar	•	
Air cleaner with external precleaner		•	Drawbar, towing		•
Aluminum bar plate cooling system (radiator, powertrain)	•		Front pull device	•	
Automatic traction control	•		Machine security system		•
Cat C3.6 diesel engine	•		Mounting, winch		•
Drive, auxiliary	•		Ripper, parallelogram, includes three shanks and teeth		•
Dual path, closed loop, hydrostatic transmission	•		Winch, hydraulic, high-performance		•
Electric fuel pump	•		Winch, hydraulic, retrieval		•
Fuel/water separator	•				
Installation, winch		•			
Turbocharged aftercooled	•				
ELECTRICAL	STANDARD	OPTIONAL	OTHER	STANDARD	OPTIONAL
Alarm, backup	•		Heater, engine, coolant 120 V/240 V		•
Alternator, 150 amp, heavy-duty	•		Starting aid, ether		•
Batteries, heavy-duty, maintenance-free, 1,000 CCA	•				
Diagnostic connector	•				
Four integrated front halogen lights, two rear halogen	•				
Four integrated front LED lights, two rear LED		•			
Horn, electric	•				
Starter, electric, 12 V, heavy-duty	•				
UNDERCARRIAGE	STANDARD	OPTIONAL	OPERATOR ENVIRONMENT	STANDARD	OPTIONAL
SALT undercarrige (43 section)	•		Armrests, adjustable	•	
Abrasion undercarrige (38 section)		•	Cab, with air conditioning		•
Track pairs			Cab, polycarbonate windows and air conditioning		•
Track, 460 mm (18 in)		•	Coat hook	•	
Track, 635 mm (25 in)		•	Controls, seat-mounted, fore/aft adjustment	•	
Carrier rollers	•		Cup holders	•	
Guards, front/rear guiding	•		Eco mode	•	
Seven roller track frame	•		Electronic monitoring system with gauge: – Chassis slope indication – Diesel exhaust fluid (DEF) – Engine coolant temperature – Fuel level – Hydraulic oil temperature	•	
Track adjusters, hydraulic	•		Electronic security system	•	
Track rollers, lifetime-lubricated	•		Engine air cleaner service indicator	•	
HYDRAULIC	STANDARD	OPTIONAL	Engine RPM and gear display	•	
Hydraulic pump and oil	•		Floor mat, rubber, heavy-duty	•	
Four-valve for use with ripper		•	Foot pads, dash	•	
Four-valve for use with winch		•	Hour meter, electronic	•	
Single-lever, three-function control	•		Independent forward/reverse speed settings	•	
Three-valve hydraulics	•		Mirror, rearview, inside	•	
CAT TECHNOLOGY	STANDARD	OPTIONAL	Power pitch		•
Low Slip Traction Control	•		Power port, 12 volt	•	
Slope Indicate	•		Radio, AM/FM Bluetooth®		•
Stable Blade Lift and Tilt	•		ROPS/FOPS canopy	•	
Slope Assist™		•	Seat, air-suspended, cloth or vinyl	•	
Cat Grade 3D		•	Seat, air suspension, choice of: – Vinyl, heated seat with heated controls – Cloth, heated seat with heated controls – Cloth, heated and ventilated seat with heated controls		•
Blade Load monitor		•	Seatbelt, hi-vis retractable 76 mm (3 in)	•	
AutoCarry™		•	Seatbelt buckling indicator/reminder	•	
Compatibility with radios and base stations from Trimble, Topcon and Leica	•		Single pedal combining decel and brake functions	•	
Capability to install 3D grade systems from Trimble, Topcon and Leica	•		Sound suppression		•
Cat Product Link PLE643/PLE743 cellular	•		Speed recall	•	
Cat Product Link PLE683/PLE783 cellular/satellite		•	Storage compartment	•	
Full-color 254 mm (10 in) touchscreen grade display		•	Throttle switch, rotary	•	
Power Pitch		•	Travel speed limiter, electronic	•	
Cat Command console		•			
Cat Command station		•			

Not all models and 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 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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