

374

HYDRAULIC EXCAVATOR



Net Power – ISO 9249
Operating Weight
Maximum Digging Depth

361 kW (484 hp)
73 900 kg (162,900 lb)
8570 mm (28.1 ft)



374

INCREDIBLE POWER, DURABILITY AND VERSATILITY

No matter how hard the work, the Cat® 374 Excavator is built to do it. Three modes of operation, Power, Smart, and Eco, help operators reduce fuel consumption and optimize performance. Built for durability, the 374 is structurally sound with reinforced track rollers, booms, sticks, and upper and lower frames. Simple, easy-to-use onboard technology such as Cat Payload, Cat Grade with 2D, Lift Assist, 2D E-Fence, and work tool recognition helps boost efficiency and jobsite safety. The deluxe and standard cab options feature operator-pleasing ergonomic amenities such as the front-facing control panel, keyless push-button start, and large touchscreen monitor with jog dial keys.



SMOOTH OPERATING PERFORMANCE

The dedicated hydrostatic swing circuit regenerates swing break energy and independently manages cylinder oil flow for proven operating performance.

TRACK PRODUCTION

Onboard Cat Payload helps you track production from a single shift up to 30 days, weighs loads on the go to meet cycle targets and prevent overloading or underloading trucks.

ULTIMATE COMFORT

Both the Deluxe and Premium cabs are equipped with adjustable and optimally shaped seats for healthy support, automatic climate control, USB charging ports, Bluetooth® technology, and plenty of in-cab storage.*

*Not all features are available in all regions. Please check with your local Cat dealer for availability.

LATEST FEATURES



Machine Setup Simplification

- At the touch of fingertips and navigating user-friendly icons, the latest operator oriented User Interface (UI) maximizes uptime and gets crews to work without delay. From re-ordering work tool lists to creating new work tool combinations as needed, operators can quickly set up machines and easily access information.
- The interface allows operators to maintain accuracy and makes the most of every second of their shift. Adding the ability to input couplers and attachments into the system makes setting up work tool combinations highly efficient by significantly reducing calibration time. It also eliminates the need to measure up again when changing Cat work tool attachments and makes it manageable for a single person to check and adjust for bucket wear.

Cat Grade® 3D Ready

- The Cat Grade 3D Ready option includes all the hardware required for the Grade with 3D system, installed and tested from the factory. This option provides an easier upgrade path for customers who want to add Grade with 3D after their initial purchase. To activate, contact your Cat dealer to purchase the required 3D software licenses. Licenses can be installed remotely or manually loaded onto the machine.

Cat Payload and Advanced Payload

- Cat Payload provides operators with on-the-go weighing to help them hit load targets and avoid overloading, underloading, or misloading materials. Advanced Payload is a system upgrade that offers expanded features and capabilities, including custom tags, daily totals, and electronic ticketing. Combine Payload with VisionLink® Productivity* to analyze jobsites and individual assets for remote management of production targets and key metrics.

* VisionLink subscription required. Availability may vary by region, consult your Cat dealer for more details.

Build Number: 07H

PERFORMANCE POWERHOUSE



- Work up to 3000 m (9,840 ft) above sea level without de-rating.
- The exclusive hydrostatic swing circuit has a dedicated bi-directional swing pump, swing motors, charge pump, and charge accumulator. The swing pump supplies oil to the swing motor; the charge pump and charge accumulator prevent cavitation (air bubbles) and overheating.
- The circuit enables regenerating swing brake energy and independent management of cylinder oil flow, resulting in higher efficiency and smoother, more predictable performance when you multitask with the excavator.
- Powerful swing torque easily handles changes in momentum, uneven terrain, and consistent high-impact connections, helping operators make their work swift and precise.
- Did you know baffle plates help increase an excavator's strength-to-weight ratio? That is why Caterpillar incorporates the plates in high-stress areas like the boom, stick, and frame. Reinforcing the machine without adding significantly more weight also helps provide years of reliable performance, even in the harshest environments.
- The cylinder rods are reinforced with additional wear rings to help reduce oil leaks. The car body has thick baffle plates for a long service life. The thick track link has large bolt joints to help maintain bolt retention. Track rollers have a large shaft diameter to help prevent bending and oil leaks while increasing the 374's loading capacity, which means more reliable production for you.
- Grease sealed between track pins and bushings reduces travel noise and prevents debris from entering to increase undercarriage life.
- The center track guiding guard helps align the excavator track when traveling and working on slopes.
- The sloped track frame prevents mud and debris accumulation, helping reduce the risk of track damage.
- Auxiliary hydraulic options allow you to use a wide range of Cat attachments.
- Advansys™ bucket tips increase penetration and improve cycle times. Tip changes can be done quickly with a simple lug wrench instead of a hammer or special tool, improving safety and uptime.
- Match the excavator to the job with three operating modes: Power, Smart, and ECO.
- Smart mode automatically adjusts power for the highest fuel efficiency – less power for tasks such as swinging and more power for digging.
- Enhanced heavy lift mode increases system pressure to help you easily pick and place heavy material.
- Auto warm-up speeds up hydraulic oil warming in cold temperatures and helps prolong the life of components.
- Don't let the temperature stop you from working. This excavator has a high-ambient capability of 52° C (125° F) and a standard cold start capability of -18° C (-0.4° F).
- The engine meets U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V and Japan 2014 emission standards with an aftertreatment system that requires no operator input or downtime.

EXCEPTIONAL EFFICIENCY THROUGH TECHNOLOGY

- The latest operator oriented User Interface (UI) has been designed to maximize uptime by allowing operators to easily reorder work tool lists and quickly create new work tool combinations. It also eliminates the need to measure up again when changing Cat work tool attachments and makes it manageable for a single person to check and adjust for bucket wear.
- Cat Lift Assist helps avoid machine tipping. With visual and auditory alerts, operators will know if their load is within the excavator's safe working range limits.
- Cat 2D E-Fence restricts the front linkage from moving beyond operator-defined preset boundaries for the ceiling, floor, wall, swing, and cab. It helps operators avoid jobsite hazards such as traffic, keeps personnel safe, and helps you save on costly repairs, equipment downtime, and potential jobsite fines.
- Cat Detect – People Detection for excavators is an intelligent vision camera system that can alert an operator when someone enters a machine's hazard zone.*
- Cat Grade with Assist helps operators stay on grade simply and effortlessly with semi-autonomous digging. It automates boom, stick, and bucket movements to deliver more accurate cuts with less effort.
- Cat Grade with 2D for excavators is an indicate system that helps operators reach grade faster.* Select your target depth and slope and watch the Grade with 2D system use on-board processors and sensors to provide real-time guidance on the distance to grade.
- Cat Grade with 3D for excavators helps operators grade more quickly, accurately, and efficiently, improving productivity.* It incorporates GNSS technology and RTK positioning guidance to streamline the grading process for complex designs commonly encountered on large infrastructure and commercial projects. This system allows operators to work confidently, eliminating guesswork while cutting and filling to precise specifications.
- The Cat Grade 3D Ready option includes all the hardware required for the Grade with 3D system, installed and tested from the factory. Activation requires the purchase of additional 3D software licenses, contact your Cat dealer for details.
- Upgrade to our dual antenna GNSS for maximum grading efficiency. The system lets you create and edit designs on the touchscreen monitor while you're on the job, or you can have the plan design sent to the excavator to make your work easier. Plus, you get added benefits of avoidance zones, cut and fill mapping, lane guidance, and augmented reality along with advanced positioning capability.
- 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.
- Cat Payload provides operators with on-the-go weighing to help them hit load targets and avoid overloading, underloading, or misloading materials.
- Advanced Payload is a system upgrade that offers expanded features and capabilities, including custom tags, daily totals, and electronic ticketing. Combine Payload with VisionLink Productivity** to analyze jobsites and individual assets for remote management of production targets and key metrics.



- Cat Operator Coaching allows operators of all experience levels to take their efficiency and productivity to the next level. With tips and data at their fingertips, operators can track and improve their productivity through everyday work on the jobsite. Gain data-based insights towards operators and operations when you pair Operator Coaching with VisionLink Productivity.** There are two coaching tip categories:
 - Operational Efficiency Tips: Help operators stay at the top of their game by identifying areas to increase skill and efficiency, such as digging technique and idle times.
 - Machine Health Tips: Some actions are inefficient and cause unnecessary wear and tear on the machine and its components. Following Machine Health Tips can help extend the life of the machine, improve digging technique, and reduce fuel waste.

* The system may not detect personnel in certain circumstances, such as fast swing speeds, people lying down or crouching, or when cameras are impaired by low light conditions (dusk, dawn, overcast), inclement weather (snow, rain, fog), or other similar conditions. For limitations of use, refer to the operation and maintenance manual.

** VisionLink® subscription required.

NOTE: Cat® Payload for excavators is not legal for trade. Availability may vary by region, consult your Cat dealer for more details.

TAKE THE GUESSWORK OUT OF MANAGING YOUR EQUIPMENT

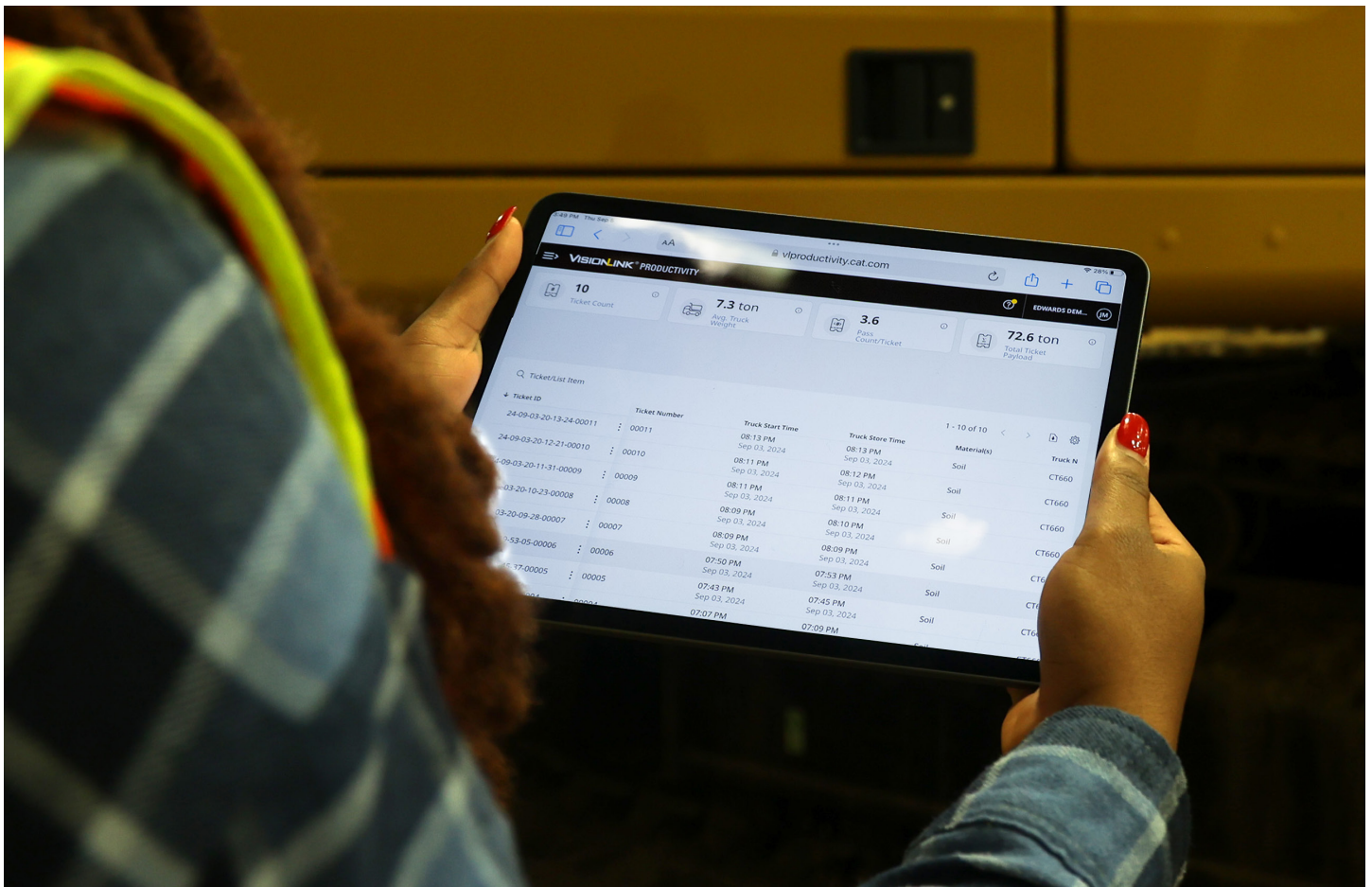
- VisionLink provides actionable data insights for all assets – regardless of fleet size or equipment manufacturer.* Review equipment data from your desktop or mobile device to maximize uptime and optimize assets. Dashboards provide information such as hours, miles, location, idle time, and fuel utilization. Make informed decisions that lower costs, simplify maintenance, and improve safety and security on your jobsite.
- VisionLink Productivity gathers and summarizes machine telematics and jobsite data from all your equipment – regardless of the manufacturer.* View actionable information such as idle time, fuel burn, location, payload, load counts, total cycles, and more to improve machine efficiency, productivity, and utilization. Access data anywhere via a mobile, tablet, or desktop device – on or off the jobsite.
- Cat Inspect is a mobile application that allows you to easily perform digital preventative maintenance (PM) checks, inspections, and daily walkarounds. Inspections can easily be integrated with other Cat data systems like VisionLink so you can keep a close eye on your fleet.
- Cat Remote Troubleshoot is a mobile application that allows your Cat dealer to perform diagnostic testing on your connected machine remotely to help ensure that issues are resolved quickly and with less downtime.

- Cat Remote Flash is a mobile application that allows you to update onboard software without a technician being present, allowing you to initiate software updates when convenient, increasing your overall operating efficiency.
- The Cat PL161 attachment locator allows you to track attachments across all worksites, reduce the number of lost attachments, and plan for attachment maintenance and replacement. The work tool recognition** feature automatically adjusts machine settings based on the selected tool.
- Cat Command remote control enables equipment operators to work safely outside the machine when working in hazardous environments. Command offers the choice of handheld consoles* (line-of-sight) or long-distance virtual stations (non-line-of-sight). Deep integration with machine systems enables efficiency and productivity by maintaining the use of in-cab technology*** features (Grade, Payload, Assist, etc.).

* Data field availability can vary by equipment manufacturer.

** Recognition feature available on select excavator models. Consult your Cat dealer for details.

*** Not all technology features are available on the Command Console and vary by model. Consult your Cat dealer for details.



EASY AND ECONOMICAL MAINTENANCE



- The 374's extended and synchronized service intervals and reduced hydraulic oil capacity help you save time and money.
- The excavator is auto-lube ready with built-in mounting points; an available auto-lube retrofit kit provides additional hardware to mount a grease pump and line guards – all to help do the job of lubing safer, cleaner, and trouble-free.
- Boost productivity with proactive service reminders. The Integrated Vehicle Health Management system alerts the operator with step-by-step service guidance and parts needed so you don't experience unnecessary downtime.
- Track your excavator's filter life and maintenance intervals via the in-cab monitor.
- Fuel and engine oil filters are accessible from the upper platform and synchronized to be changed at 1,000 hours.
- The latest hydraulic oil filter provides high-quality filtration performance and features anti-drain valves to keep oil clean when the filter is replaced, and the 3,000-hour extended replacement interval offers efficiency and convenience.
- Scheduled Oil Sampling (S-O-SSM) ports with extended sampling intervals are on ground level, simplifying maintenance and allowing for quick, easy extraction of samples for fluid analysis.
- Using Cat genuine oil and filters and doing typical S-O-S monitoring will extend the current service interval, giving you more uptime.
- The high-efficiency hydraulic fan has a programmable automatic reverse function to keep cores free from debris, eliminating the need for any operator interaction.
- The advanced air intake filter with pre-cleaner has a high dust-holding capacity.
- The latest engine air cleaners with an integrated pre-cleaner surpass radial seal air cleaners' lifespan.

ULTIMATE OPERATOR COMFORT

- Sites where excavators work are typically rugged and challenging. That's why it's important that the 374 cab help protect the operator as much as possible from fatigue, stresses, sounds, and temperatures of the job.
- Comfort and efficiency of movement help keep operators productive and alert all shift long. The standard seat is wide and adjustable for operators of virtually any size.
- The tip-up left console makes getting in and out of the seat easy.
- Two cab options – Deluxe and Premium – let you choose the level of comfort you need.
- The Deluxe cab package includes a heated air suspension seat; the Premium seat is heated and cooled.
- The cab is sound-suppressed and sealed.
- Advanced viscous mounts reduce cab vibration
- Control the excavator comfortably with easy-to-reach controls located in front of you.
- The touchscreen monitor makes it easy to access critical information and settings. Shortcut keys make it easy, and two are for entertainment, heating, and air conditioning. There is also a shortcut key for apps and functions that you can set.
- Standard automatic climate control keeps you at the right temperature throughout your shift.
- Convenience features include Bluetooth® integrated radio, USB charging and phone connectivity ports, 12V DC outlets, and an AUX port.
- Cup and bottle holders are easy to reach, and storage spaces are located conveniently throughout the cab.
- Stow your gear with plenty of in-cab storage beneath and behind the seat, overhead, and in the consoles.

Not all features are available in all regions. Please check with your local Cat dealer for specific offering availability in your area.



SAFELY HOME EVERY DAY



- Keep your excavator secure with Operator ID. Use your PIN code on the monitor to enable the push-button starting feature.
- Enhance operator safety by adding Cat Command to your fleet. The remote-control system keeps you away from potential hazards. The non-line-of-sight kit has a Wi-Fi radio, cameras, and a microphone to work anywhere.
- Standard 2D E-Fence is integrated right out of the factory, preventing the excavator from moving outside operator-defined set points; the system works with thumb and bucket combinations, hammer, grapple, and clamshell attachments.
- A travel direction indicator helps operators know which way to activate the travel levers.
- A ground-level shutoff switch stops all fuel to the engine when activated and shuts down the machine.
- The right-hand service platform design provides easy, safe, and quick access to the upper service platform; the service platform steps use serrated steps and an anti-skid punch plate to prevent slipping.
- The handrails comply with ISO 2867 requirements.
- Lift Assist helps you avoid tipping by letting you know if your load is within the excavator's safe working range limits.
- Enjoy great visibility into the trench, in each swing direction, and behind you with the help of smaller cab pillars, larger windows, and a flat engine hood design.
- Enhance jobsite safety. Add a swing alarm to alert people when rotating from the trench to the stockpile.
- Rear and right-hand-sideview cameras are standard. Upgrade to 360° visibility, and you'll easily visualize objects and personnel around the excavator in a single view.
- See all around the machine with the premium 360° lighting package and its 1800-lumen lights on the chassis, cab, boom, sides, and rear.

INTUITIVE AND EMPOWERING TO OPERATE



- The 374 uses a keyless push-button engine start. This adds security for the machine by using Operator ID codes to limit and track machine access. Codes can be entered manually via an optional Bluetooth key fob.
- Most machine settings can be controlled through the high-resolution touchscreen monitor. It offers several languages and is easy to reach from the seat – no twisting or turning.
- A second 254 mm (10 in) monitor is available for the Cat Grade and Cat Grade with 3D.
- Operating can be made easier with the touch of a joystick button. The joystick function can be customized through the monitor. The joystick pattern and response can be set to match operator preference. All preferences are saved with the Operator ID and restored at login.
- Make moving the excavator much easier with Cat Stick Steer. Push a button and use one hand to travel and turn instead of both hands or feet on levers or pedals.
- You can also add an auxiliary relay to power on or turn off a CB radio, beacon light, or other attachment so you don't have to take your hands off the joysticks.
- Program up to four depth and slope offsets so you can easily get to grade without a grade checker – saving time and enhancing safety on the jobsite.
- Operator coaching is an in-cab system that recognizes specific opportunities for operators to be more productive and prevent unnecessary machine wear and tear.
- Not sure how a function works or how to maintain the excavator? Always have the operator's manual at your fingertips on the touchscreen monitor.
- Use the in-monitor QR code to learn about machine and technology features through a full suite of how-to videos.

Not all features are available in all regions. Please check with your local Cat dealer for specific offering availability in your area.

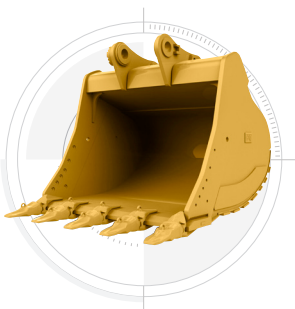
- The Cat C15 engine meets U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, and Japan 2014 emission standards.
 - Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels** up to: 20% biodiesel FAME (fatty acid methyl ester)* or 100% renewable diesel, HVO (hydrogenated 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.
 - A well-trained operator is worth the investment. Skilled operators benefit your bottom line by maximizing productivity, avoiding costly downtime, and maintaining jobsite safety – which can help to improve fuel efficiency and reduce greenhouse gas emissions.
 - Cat Grade technologies combine advanced guidance with optional automated machine control, helping you reach grading targets while reducing fuel burn and greenhouse gas emissions by improving efficiency, jobsite productivity, and accuracy.
 - Auto Engine Speed Control helps reduce unnecessary fuel burn and greenhouse gas emissions by allowing the engine to automatically go into idle mode when the machine is not working.
 - Cat Payload for excavators provides on-the-go material weighing, which helps reduce fuel burn by improving loading efficiency, increasing jobsite productivity, and eliminating trips to the scale.
 - Cat 2D E-Fence keeps the front linkage within a predefined work area to aid in avoiding hazards such as traffic – not only helping keep personnel safe, but also helping you avoid repairs, downtime, and costly jobsite fines.
 - Extended maintenance intervals help reduce downtime and decrease the amount of fluid and filters replaced over the machine's life.
 - Cat VisionLink displays the CO₂ emissions for monitored assets, calculated by fuel type for the Runtime Fuel Burned each day in a selected date range.
 - Cat Remote Flash helps minimize downtime and maintenance time while keeping your asset running at maximum efficiency. Alerts for machine updates are sent virtually from your Cat dealer, and updates can be deployed without a dealer technician needing to be on site.
 - Cat Remote Troubleshoot helps decrease maintenance time and keeps your machine running with maximum efficiency by allowing your Cat dealer to virtually test the machine while working. Once a problem is identified, a technician can fix it the first time, saving time and money.
- * Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).
- ** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.



INCREASE YOUR PRODUCTIVITY AND PROFIT WITH CAT® ATTACHMENTS

You can easily expand the performance of your machine by utilizing any of the variety of Cat attachments. Each Cat attachment is designed to fit the weight and horsepower of Cat excavators for improved performance, safety, and stability.

BUCKETS



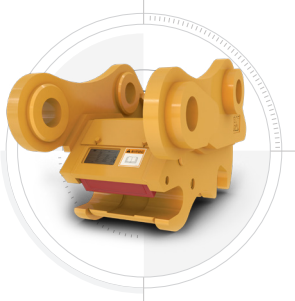
HYDRAULIC HAMMERS



PREVENT HAMMER WEAR AND TEAR

Protect your hammer from overworking. Auto hammer stop warns you after 15 seconds of continuous firing and then automatically shuts it off after 30 seconds – all to prevent wear and tear on the attachment and excavator.

QUICK COUPLERS



MULTI-PROCESSORS



SHEARS



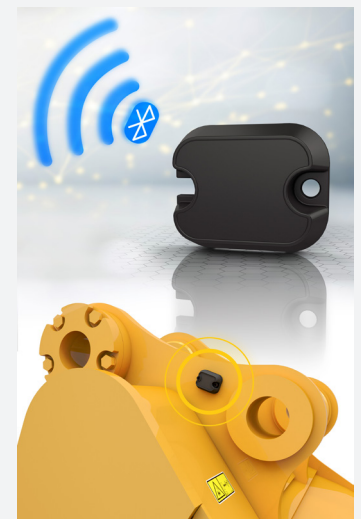
MORE THAN MACHINES

When you buy Cat equipment, you're getting so much more than the machine. You're also getting the support of a world-class dealer network backed by a range of flexible solutions, technology, tools, and more. It's all about support that's built around your success.

- Customer Value Agreements (CVA)
- Quality parts and precision components
- Cost-saving service and repair options
- Financing solutions
- Rental and used equipment

ATTACHMENT TRACKING MADE EASY

The Cat PL161 Attachment Locator is a Bluetooth device that makes finding your attachments and other gear quick and easy. The excavator's on-board Bluetooth reader or the Cat app on your phone will locate the device automatically.



Save more time and energy with the available work tool recognition feature. A simple shake of the attached tool confirms its identity; it also ensures all the attachment settings are correct so you can get to work quickly and efficiently.

TECHNICAL SPECIFICATIONS

Engine

Net Power – ISO 9249	361 kW	484 hp
Net Power – ISO 9249 (DIN)	491 hp (metric)	
Engine Model	Cat® C15	
Engine Power – ISO 14396	362 kW	485 hp
Engine Power – ISO 14396 (DIN)	492 hp (metric)	
Bore	137 mm	5.4 in
Stroke	171 mm	6.7 in
Displacement	15.2 L	928 in³
Biodiesel Capability	Up to B20¹	
Emissions	Meets U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, and Japan 2014 emission standards.	

Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system, and alternator with engine speed at 1,700 rpm. Advertised power is tested per the specified standard in effect at time of manufacture.

¹Cat 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. Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details.

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

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

Hydraulic System

Main System – Maximum Flow – Implement	896 L/min	237 gal/min
Maximum Pressure – Equipment	37 000 kPa	5,366 psi
Maximum Pressure – Equipment – Lift Mode	38 000 kPa	5,511 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	35 000 kPa	5,076 psi

Swing Mechanism

Swing Speed	6.34 r/min	
Maximum Swing Torque	298 kN·m	220,000 ft·lbf

Weights

Operating Weight	73 900 kg	162,900 lb
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Long Variable Gauge undercarriage, Reach boom, R4.67VB (15'4") stick, SD 3.3 m³ (4.32 yd³) bucket, 900 mm (35") HD double grouser shoes and removal type counterweight.

Service Refill Capacities

Fuel Tank Capacity	920 L	243 gal
Cooling System	71 L	19 gal
Engine Oil	62 L	16 gal
Swing Drive	20 L	5 gal
Final Drive – Each	32 L	9 gal
Hydraulic System – Including Tank	620 L	164 gal
Hydraulic Tank	326 L	86 gal
Diesel Exhaust Fluid (DEF) Tank	80 L	21 gal

Dimensions

Boom	Reach 7.8 m (25'7")	
Stick	R3.6 m (11'10")	
Bucket	SD 3.3 m³ (4.32 yd³)	
Shipping Height – Top of Cab	3559 mm	11.8 ft
Handrail Height	3982 mm	13 ft
Shipping Length	13 652 mm	44.9 ft
Tail Swing Radius	4171 mm	13.8 ft
Counterweight Clearance	1494 mm	4.1 ft
Ground Clearance	782 mm	2.6 ft
Track Length	5873 mm	19.3 ft
Track Length to Center of Rollers	4705 mm	15.5 ft
Track Gauge	3410 mm	11.2 ft
Transport Width	3400 mm	11.1 ft

Track gauge undercarriage extended with 650 mm (26") shoes; transport width undercarriage retracted with 650 mm (26") shoes and no steps.

Working Ranges & Forces

Boom	Reach 7.8 m (25'7")	
Stick	R3.6 m (11'10")	
Bucket	SD 3.3 m³ (4.32 yd³)	
Maximum Digging Depth	8570 mm	28.1 ft
Maximum Reach at Ground Level	13 160 mm	43.2 ft
Maximum Cutting Height	12 550 mm	41.2 ft
Maximum Loading Height	8430 mm	27.7 ft
Minimum Loading Height	3310 mm	10.1 ft
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	8440 mm	27.8 ft
Maximum Vertical Wall Digging Depth	6910 mm	22.8 ft
Bucket Digging Force – ISO	358 kN	80,550 ft·lbf
Stick Digging Force – ISO	295 kN	66,390 ft·lbf

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.00 kg (2.2 lb) of refrigerant, which has a CO₂ equivalent of 1.430 metric tonnes (1.576 tons).

STANDARD & OPTIONAL EQUIPMENT

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

	Standard	Optional		Standard	Optional
CAB			UNDERCARRIAGE AND STRUCTURES		
High-resolution 254 mm (10") LCD touchscreen monitor	✓		Long variable gauge undercarriage	✓	
Heated seat with air-adjustable suspension (Deluxe only)	✓		Swivel guard	✓	
Heated and cooled seat with auto adjustable suspension (Premium only)	✓		Grease-lubricated track	✓	
Sound suppressed cab with viscous mounts	✓		HD travel motor guard	✓	
Automatic bi-level air conditioner	✓		Standard counterweight	✓	
Jog dial and shortcut keys for monitor control	✓		HD bottom guard	✓	
Keyless push-to-start engine control	✓		Three-piece segmented track guiding guards		✓
Height-adjustable console, infinite with no tool	✓		Two-piece segmented track guiding guards		✓
Tilt-up left-side console	✓		Counterweight with removal device		✓
51 mm (2") orange seat belt	✓		650mm (26") HD double grouser track shoes		✓
Bluetooth integrated radio (including USB, auxiliary port and microphone)	✓		750mm (30") HD double grouser track shoes		✓
2 × 12V DC outlets	✓		900mm (35") HD double grouser track shoes		✓
Document storage	✓		BOOMS AND STICKS		
Rear head storage net and lunchbox storage net	✓		7.0 m (23') Mass boom		✓
Cup and bottle holders	✓		7.8 m (25'7") Reach boom		✓
Openable two-piece front window	✓		2.57 m (8'5") Mass stick		✓
Upper radial wiper with washer	✓		2.84 m (9'4") Reach stick		✓
Parallel wiper with washer (Premium only)	✓		3.0 m (9'10") Mass stick		✓
Openable polycarbonate skylight hatch (Premium only)	✓		3.6 m (11'10") Reach stick		✓
LED dome light	✓		4.15 m (15'4") Reach stick		✓
Floor welcome light	✓		4.67 m (15'4") Reach stick		✓
Roller front sunscreen	✓		Bucket Linkage, VB family with lifting eye, Cat Grade		✓
Roller rear sunscreen (Premium standard)	✓		Bucket Linkage, VB family without lifting eye, Cat Grade		✓
Rear window emergency exit	✓		Bucket Linkage, WB family with lifting eye, Cat Grade		✓
Washable floor mat	✓		Bucket Linkage, WB family without lifting eye, Cat Grade		✓
Beacon Ready	✓		ELECTRICAL SYSTEM		
Cat Stick Steer		✓	Maintenance-free 1,400 CCA batteries (x2)	✓	
Auxiliary relay		✓	Centralized electrical disconnect switch	✓	
Additional high-resolution LCD touchscreen monitor for Cat Grade Advanced 2D and 3D		✓	Chassis light	✓	
Roller rear sunscreen (Deluxe)		✓	Exterior lights (integrated into storage box)	✓	
Radial lower wiper		✓	1800-lumen LED premium surround lights		✓
Joystick with horizontal sliders		✓	LED boom and cab lights		✓
LH/RH electrical pedal for tool control		✓	ENGINE		
Dual exit rear window kit		✓	Three selectable modes: Power, Smart, and Eco	✓	
Front windshield laminated glass (P5A glass, EU demolition regulation)		✓	Auto engine speed control	✓	
Cab/Operator Protective Guards (OPG) (not compatible with cab light cover, rain protector)		✓	Up to 4500 m (14,760 ft) altitude capability	✓	
Mesh guard full front (not compatible with cab light, cover, rain protector)		✓	52° C (126° F) high-ambient cooling capacity	✓	
Mesh guard lower half front		✓	-18° C (-0.4° F) cold start capability	✓	
Rain protector for front windshield plus cab light cover		✓	Hydraulic reverse fan	✓	
Full protecting vandalism guard		✓	Double element air filter with integrated pre-cleaner	✓	
			Three vertical side-by-side cooling system	✓	
			95 Amp alternator	✓	
			-32° C (-25° F) cold start capability		✓
			Cold start block heaters		✓

STANDARD & OPTIONAL EQUIPMENT

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

	Standard	Optional
CAT TECHNOLOGY		
Cat Equipment Management:		
VisionLink ^{®1}	✓	
VisionLink Productivity ²		✓
Cat Remote Flash	✓	
Cat Remote Troubleshoot	✓	
Work tool recognition and tracking (PL161)	✓	
Operator Coaching ³		✓
Cat Grade:		
Cat Grade with 2D	✓	
Cat Grade with 2D with Attachment Ready Option (ARO)		✓
Laser catcher		✓
Cat Grade with 3D (single or dual GNSS)		✓
Compatible with 3D grade systems from Trimble, Topcon, and Leica	✓	
Cat Grade 3D Ready		✓
Cat Grade Connectivity ²		✓
Cat Assist:		
Grade Assist	✓	
Boom Assist	✓	
Bucket Assist	✓	
Swing Assist	✓	
Lift Assist	✓	
Cat Payload:		
On-the-go weighing	✓	
Semiautomatic calibration	✓	
Payload/cycle information	✓	
VisionLink Productivity back office reporting ²		✓
Cat Advanced Payload:		
Daily totals		✓
Custom lists		✓
Smart weight target		✓
E-ticket Integration ²		✓
Other:		
Cat Tiltrotator (TRS) integration		✓

¹Provides core telematics data to manage health, maintenance insights, and condition monitoring. Other plans available for more comprehensive data reporting. Consult your Cat dealer for details.

²VisionLink subscription required. Consult your Cat dealer for details.

³VisionLink subscription required for back office reporting. Consult your Cat dealer for details.

	Standard	Optional
SERVICE AND MAINTENANCE		
Integrated vehicle health management system	✓	
Auto lube ready	✓	
Grouped location of engine oil and fuel filters	✓	
S-O-S ports	✓	
QuickEvac maintenance ready	✓	
Electric refueling pump with auto shutoff		✓
HYDRAULIC SYSTEM		
Boom and stick regeneration circuit	✓	
Electronic main control valve	✓	
Dedicated closed loop swing circuit	✓	
Auto heavy lift	✓	
Auto hydraulic oil warmup	✓	
Auto swing parking brake	✓	
High performance hydraulic return filter	✓	
Two-speed travel	✓	
Bio hydraulic oil capability	✓	
Hydraulic efficiency monitoring		✓
Advanced tool control		✓
Medium-pressure auxiliary circuit		✓
Quick coupler circuit		✓
SAFETY AND SECURITY		
Caterpillar One Key security system	✓	
Lockable external tool/storage box	✓	
Lockable door, fuel, and hydraulic tank locks	✓	
Lockable disconnect switch	✓	
Service platform with anti-skid plate and recessed bolts	✓	
Right-hand handrail and hand hold (ISO 2867:2011 compliant)	✓	
Visibility mirror package	✓	
Signaling/warning horn	✓	
Ground-level secondary engine shutoff switch	✓	
Rearview and right-hand-sideview cameras	✓	
Walkway	✓	
Travel alarm (North America only)	✓	
2D E-Fence (E-ceiling, E-floor, E-swing, E-wall, E-cab avoidance)	✓	
Auto hammer stop	✓	
Travel alarm		✓
Swing alarm		✓
360° visibility		✓
Boom lowering check valve		✓
Stick lowering check valve		✓
Inspection lighting		✓
Tilt-up walkway		✓
Bluetooth key fob		✓
76mm (3") retractable seat belt		✓

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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