335

HYDRAULIC EXCAVATOR



Net Power – ISO 9249	**203.7 kW (273 hp)**
Operating Weight	**34 900 kg (77,000 lb)**
Maximum Digging Depth	**6990 mm (22.9 ft)**

CAT®

335

HYDRAULIC EXCAVATOR

The Cat® 335 Excavator brings high performance with simple-to-use technologies to boost operator efficiency. Combine these features with a compact radius design, an ergonomic cab, longer maintenance intervals, and a power system that is more efficient, and you have a low cost-per-unit of production excavator.



HIGH FUEL EFFICIENCY

Smart mode, hydraulic demand fan, pump and electro-hydraulic main control valve enable optimized fuel consumption for increased engine efficiency.

HIGH PERFORMANCE

Offering world-class standard factory-equipped technology, including Cat Grade with 2D, Grade with Assist, Lift Assist and Payload.

LOWER MAINTENANCE COSTS

With extended and more synchronized maintenance intervals, you get more done at a lower cost compared to the previous model.

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™** to analyze jobsites and individual assets for remote management of production targets and key metrics.

* Payload technologies are not legal for trade.
** VisionLink subscription required.
Not all features are available in all regions. Please check with your local Cat dealer for specific offering availability in your area. Build Number: 07H.

PERFORMANCE AND PRODUCTIVITY

- Match the excavator to the job with power modes; let Smart mode automatically match engine and hydraulic power to digging conditions.
- Standard Cat® technologies help reduce operator fatigue and maintenance costs, increasing operating efficiency.
- Larger stick and bucket cylinders and higher hydraulic power help to increase productivity.
- The C7.1 engine meets the latest emission standards. After-treatment system requires no maintenance or downtime.
- The advanced hydraulic system provides the optimum balance of power and efficiency while giving you the control you need for precise digging requirements.
- 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.
- Auxiliary hydraulic options give you the versatility to use a wide range of Cat attachments.
- Optional SmartBoom™ lets the boom freely travel up and down without using any pump flow, so operators can focus on stick and bucket work, reducing operator stress and fuel consumption.
- Two blade widths are now available: 3660 mm (11'10") wide to cover up to 850 mm (33") shoes or 3440 mm (11'3") wide to cover 600 mm (24") and 700 mm (28") shoes.
- Don't let the temperature stop you from working. The excavator has a standard high-ambient temperature capability of 52° C (125.6° F) without de-rate and cold start capability of 18° C (0° F). An optional -32° C (-25° F) cold start package is available.



TECHNOLOGY THAT GETS WORK DONE



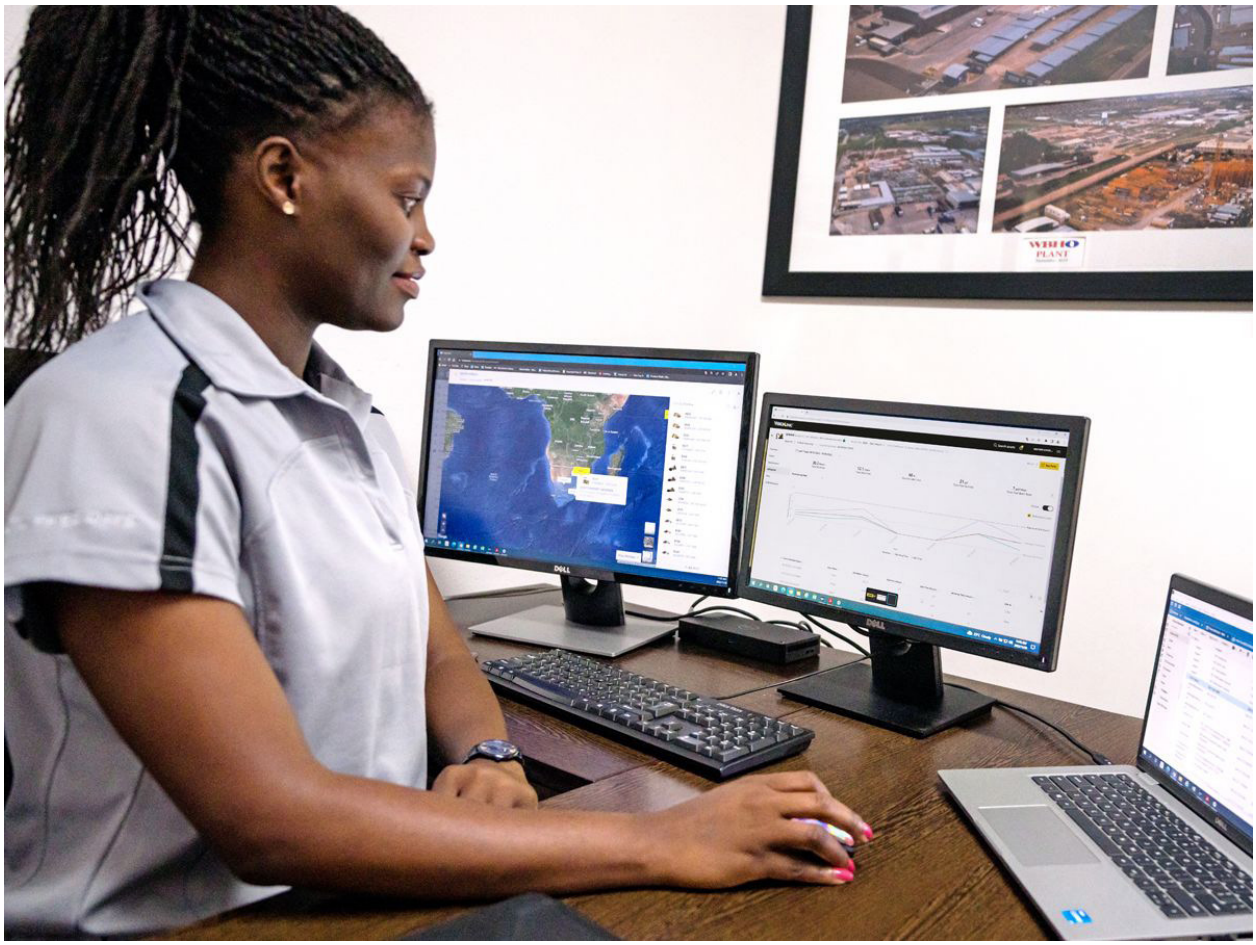
- The latest operator oriented user interface (UI) has been designed to maximize uptime by allowing operators to easily reorder work tool lists and quickly create new work tool combinations. It also eliminates the need to measure up again when changing Cat® work tool attachments and makes it manageable for a single person to check and adjust for bucket wear.
- Leverage standard Cat Grade with 2D system with indicate-only and laser capability to help boost productivity.
- Want a 3D system to improve your digging results? Caterpillar's single antenna global navigation satellite system (GNSS) makes it easy by giving you visual and auditory guidance to grade. Plus, you can create and edit designs on the touchscreen monitor while you're on the job. If your application calls for a dual antenna system, it's easy to upgrade.
- 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.
- 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.
- Standard Grade Assist helps you stay on grade – simply and effortlessly – with single-lever digging.
- Keep the tracks on ground in lifting and hard digging with Boom Assist.
- Set your desired bucket angle and let Bucket Assist automatically maintain the angle in sloping, leveling, fine grading, and trenching applications.
- Automatically stop excavator swing at operator-defined set points in truck loading and trenching applications with Swing Assist, which will help you use less effort and consume less fuel.
- Cat Payload helps you achieve precise load targets to improve your operating efficiency. Pick up a load of material – with a bucket and thumb combination or grapple and clamshell attachments – and get a real-time weight estimate without swinging.
- Advanced Payload is a system upgrade that offers expanded features and capabilities, including custom tags, daily totals, and electronic ticketing (E-Tickets).*
- Combine Payload with VisionLink™ and remotely manage your production targets.
- Optional Operator Coaching is an in-cab system that recognizes specific opportunities for operators to be more productive and prevent unnecessary machine wear and tear.

* Advanced Payload requires an additional software license (SEA).
E-Ticket functionality requires a subscription to VisionLink.

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. Equipment management features provide up-to-date asset tracking of your entire fleet. You can track asset location, operating hours, fuel level, health issues, and overall utilization. Monitor equipment health with fault codes, fluid analysis, and inspection due dates. It's all about making informed, data-based decisions to help reduce operating costs. Productivity management features enable you to analyze overall job site performance. You'll be able to track tonnage moved, production targets, and payload, as well as Grade 3D and compaction data. These vital metrics help you to reduce costs and improve jobsite operational efficiency.
- 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.
- 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.
- 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.

*Data field availability can vary by equipment manufacturer.



WORK IN COMFORT



- Choose from Deluxe or Premium cabs – both with automatic climate control.
- The Deluxe seat is heated and air adjustable. The Premium seat is heated and cooled and adjusts automatically.
- Get in and out of the cab more easily using the tip-up left console.
- Control the excavator comfortably with easy-to-reach controls all located in front of you.
- Stow your gear with plenty of in-cab storage beneath and behind the seat and in the consoles. A cup holder, document holder, bottle holder, and coat hook are also provided.
- Use the standard radio's USB ports and Bluetooth® technology to connect personal devices and make hands-free calls.

SIMPLE TO OPERATE

- Start the engine with a push button using a Bluetooth key fob (optional), or the unique Operator ID function.
- Program your power mode and joystick preferences using Operator ID; the excavator will remember what you set each time you go to work.
- Need more lift during your shift? Turn on Auto Heavy Lift and get up to 8% more power exactly when you need it for as long as you need it.*
- Make moving the excavator much easier with Cat Stick Steer. Simply push a button and use one hand to travel and turn instead of both hands or feet on levers or pedals.
- Make operating easier with the touch of a joystick button. Additional auxiliary relays allow you to power on or turn off a CB radio, beacon light, and even a dust suppression watering system without taking your hands off the joysticks.
- Tiltrotator attachments – ours or other brands – work seamlessly with Cat 2D Grade, Assist, Payload, and E-Fence. With no additional hardware required, all you have to do is simply select "Third Party Tiltrotator System Installation" in the monitor, do the calibration, and get to work.
- Navigate quickly on the standard high-resolution 254 mm (10 in) touchscreen monitor or with the aid of the jog dial control.
- Protect your hammer tool from overheating and rapid wear. Auto hammer stop warns you after 15 seconds of continuous firing and then automatically shuts it off after 30 seconds – all to extend the tool's service life.
- Find the tool you need – even if it's hidden beneath overgrowth or debris. The excavator's onboard Bluetooth reader can locate any work tool equipped with Cat asset tracking devices up to a range of 60 m (200 ft) (optional).
- Not sure how a function works or how to maintain the excavator? Always have the operator's manual at your fingertips in the touchscreen monitor.

* Auto Heavy Lift calculations are based on 380 bar (boost pressure) divided by 350 bar (standard pressure).



LOWER MAINTENANCE COSTS

- Expect lower maintenance costs compared to the 335F.
- Boost productivity with proactive service reminders. The integrated vehicle health management system alerts the operator with step-by-step service guidance along with parts needed so you don't experience any unnecessary downtime.
- Check engine oil level quickly and safely with the ground-level engine oil dipstick; fill and check engine oil on top of the machine with a conveniently located second dipstick.
- Track your excavator's filter life and maintenance intervals via the in-cab monitor.
- No required maintenance on the Cat Clean Emissions Module.
- Using Cat genuine oil and filters and doing your typical Scheduled Oil Sampling (S·O·S℠) monitoring will extend the current service interval to 1,000 hours, giving you greater uptime to do more work.
- Expect the latest air intake filter with precleaner to last up to 1,000 hours.
- The latest hydraulic oil filter offers high-quality filtration performance, features anti-drain valves to keep the oil clean when the filter is replaced, and provides an extended 3,000-hour replacement interval for efficiency and convenience.
- High-efficiency cooling fans run only when needed; you can program intervals, so they automatically reverse to keep cores clean without interrupting your work.
- S·O·S ports are on ground level, simplifying maintenance and allowing for quick, easy extraction of fluid samples for analysis.



BUILT-IN SAFETY FEATURES



- Lift Assist helps you avoid tipping. With visual and auditory alerts, you'll know if your load is within the excavator's safe working range limits.
- Access all service points from ground level – no need for you to climb on top of the excavator.
- The standard rollover protective structure (ROPS) cab meets ISO 12117-2:2008 requirements.
- Optional Cat Detect – People Detection helps protect the most valuable asset on any jobsite – people. The system uses smart cameras with depth sensors to provide the operator with visual and auditory alerts so he or she can take immediate action when a person is too close to the excavator.*
- 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.
- Optional 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.).
- The standard hydraulic lockout lever isolates all hydraulic and travel functions in the lowered position.
- Ground-level shut-off switch stops all fuel to the engine when activated and shuts down the machine.
- 2D E-Fence prevents the excavator from moving outside of operator-defined set points; the system works with thumb and bucket combinations along with hammer, grapple, and clamshell attachments.
- A rearview camera and a right-side-view camera are standard. Upgrade to 360° visibility and you'll easily visualize objects and personnel around the excavator in a single view.
- The service platform design in the front of the machine provides easy, safe, and quick access to upper service platform; the service platform steps use anti-skid punch plate to prevent slipping.
- Brightly colored seatbelts allow easy recognition of properly utilized safety restraints.
- Optional boom and stick lowering check valves prevent reverse flow, keeping your front linkage securely in place should the hydraulic system unexpectedly lose power.
- Enhance jobsite safety. Add a swing alarm to alert people when you're rotating from trench to stockpile and back again.

* 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.

** Operator assist features for the Command Console are not available in Europe, Australia, and New Zealand.

SUSTAINABILITY



- The Cat® C7.1 engine meets U.S. EPA Tier 4 Final and EU Stage V 2014 emission standards.
- The 335 emits lower CO_2 emissions compared to the previous 335F.
- 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)*** 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.
- 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 reduces 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, jobsite productivity, and eliminating trips to the scale.
- Extended maintenance intervals not only reduce downtime but decrease the amount of fluid and filters that are replaced over the life of the machine.
- VisionLink displays the CO_2 emissions for monitored assets, calculated by fuel type for the runtime fuel burned each day in a selected date range.
- Remote Flash minimizes downtime and maintenance time while keeping your asset running with 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.

*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).

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.

REPAIR OPTIONS

A broad range of repair options gives 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.

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.

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.



DOZERS



SKID STEERS



MATERIAL HANDLERS



EXCAVATORS



WHEEL LOADERS



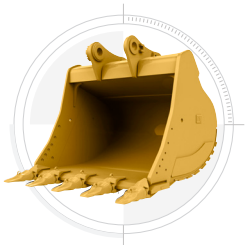
TRACK LOADERS

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



QUICK COUPLERS



ATTACHMENT TRACKING MADE EASY

The Cat® PL161 attachment locator allows you to track attachments across all worksites, helping to 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. The PL161 integrates easily into VisionLink™ for full fleet management of machines and attachments to view location and tracking details.

GRAPPLES



TILTROTATOR



DO HARD-TO-REACH WORK

With 360° rotation and 40° side-to-side tilting action, a Cat tiltrotator will help you get complex work done faster. A new system upgrade from the factory allows the tool to work with Cat 2D Grade, Assist, Payload, and E-Fence. It includes factory-fit joysticks, but uses the standard cab monitor to display the tool and engage its SecureLock™ so you don't need to spend money on an extra monitor. It also works seamlessly with other brands with no additional hardware required. All you have to do is simply select "Third Party Tiltrotator System Installation" in the monitor, do the calibration, and get to work.

SHEARS



HYDRAULIC HAMMERS



PREVENT HAMMER WEAR AND TEAR

Protect your hammer tool from overheating and rapid wear. Auto hammer stop warns you after 15 seconds of continuous firing and then automatically shuts it off after 30 seconds – all to extend the tool's service life.

TECHNICAL SPECIFICATIONS

Engine

Net Power – ISO 9249	203.7 kW	273 hp
Net Power – ISO 9249 (DIN)	277 hp (metric)	
Engine Model	Cat® C7.1	
Engine Power – ISO 14396	205 kW	275 hp
Engine Power – ISO 14396 (DIN)	279 hp (metric)	
Bore	105 mm	4 in
Stroke	135 mm	5 in
Displacement	7.01 L	428 in³
Biodiesel Capability	Up to B20[1]	
Emissions	Meets U.S. EPA Tier 4 Final, EU 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 2,200 rpm. Advertised power is tested per the specified standard in effect at the time of manufacture.

[1]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)*** 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.

*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).

Hydraulic System

Main System – Maximum Flow	560 L/min (148 gal/min)	
Maximum Pressure – Equipment	35 000 kPa	5,075 psi
Maximum Pressure – Travel	35 000 kPa	5,075 psi
Maximum Pressure – Swing	28 800 kPa	4,175 psi

Swing Mechanism

Swing Speed*	10.8 r/min	
Maximum Swing Torque	107.7 kN·m	79,455 lbf·ft

*For CE-marked machine default value may be set lower.

Weights

Operating Weight	34 900 kg	77,000 lb

Long undercarriage Reach boom, R3.2 (10'6") stick, Heavy Duty (HD) 1.54 m³ (2.01 yd³) bucket, 600 mm (24") triple grouser shoes, 5000 kg (11,202 lb) counterweight and 3440 mm (11'3") blade.

Service Refill Capacities

Fuel Tank Capacity	368 L	97.2 gal
Cooling System	13 L	3.3 gal
Engine Oil	25 L	6.6 gal
Swing Drive – Each	11 L	2.9 gal
Final Drive – Each	7 L	1.8 gal
Hydraulic System – Including Tank	350 L	92.5 gal
Hydraulic Tank	154 L	40.7 gal
Diesel Exhaust Fluid (DEF) Tank	26 L	7 gal

Dimensions

Boom	Reach 6.15 m (20'2")	
Stick	Reach 3.2 m (10'6")	
Bucket	HD 1.54 m³ (2.01 yd³)	
Shipping Height – Top of Cab	3270 mm	10.7 ft
Handrail Height	3430 mm	11.2 ft
Shipping Length	9830 mm	32.2 ft
Tail Swing Radius	1900 mm	6.2 ft
Counterweight Clearance	1170 mm	3.8 ft
Ground Clearance	480 mm	1.6 ft
Track Length	5030 mm	16.5 ft
Length to Center of Rollers	4040 mm	13.3 ft
Track Gauge	2740 mm	9 ft
Transport Width	3340 mm	11 ft

Working Ranges & Forces

Boom	Reach 6.15 m (20'2")	
Stick	Reach 3.2 m (10'6")	
Bucket	HD 1.54 m³ (2.01 yd³)	
Maximum Digging Depth	6990 mm	22.9 ft
Maximum Reach at Ground Level	10 640 mm	34.9 ft
Maximum Cutting Height	11 150 mm	36.6 ft
Maximum Loading Height	7960 mm	26.1 ft
Minimum Loading Height	2910 mm	9.5 ft
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	6840 mm	22.4 ft
Maximum Vertical Wall Digging Depth	5790 mm	19 ft
Bucket Digging Force – ISO	207 kN	46,482 lbf
Stick Digging Force – ISO	144 kN	32,319 lbf

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 0.9 kg (1.98 lb) of refrigerant which has a CO_2 equivalent of 1.287 metric tonnes (1.418 tons).

– If equipped with R1234yf (Global Warming Potential = 0.5), the system contains 0.8 kg (1.8 lb) of refrigerant which has a CO_2 equivalent of 0.001 metric tonnes (0.001 tons).

STANDARD & OPTIONAL EQUIPMENT

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

	Standard	Optional
BOOM AND STICKS		
6.15 m (20'2") Reach boom	✓	
3.2 m (10'6") Reach stick		✓
3.75 m (12'4") Reach stick		✓
UNDERCARRIAGE AND STRUCTURES		
Grease lubricated track	✓	
Tie down points on base frame	✓	
5000 kg (11,020 lb) counterweight		✓
7700 kg (16,980 lb) counterweight		✓
600 mm (24") triple grouser track shoes		✓
700 mm (28") triple grouser track shoes		✓
850 mm (33") triple grouser track shoes		✓
3440 mm (11'3") blade		✓
3600 mm (11'10") blade		✓
CAT TECHNOLOGY		
VisionLink™	✓	
Remote Flash	✓	
Remote Troubleshoot	✓	
Work tool recognition and tracking (PL161)	✓	
Cat Grade with 2D	✓	
Cat Assist	✓	
Cat Payload	✓	
Operator Coaching		✓
Cat Grade with 2D with Attachment Ready Option (ARO)		✓
Cat Grade with 3D (single or dual GNSS)		✓
Cat Grade 3D Ready		✓
Cat Grade Connectivity		✓
Cat Advanced Payload		✓
Cat Tiltrotator (TRS) integration		✓
CAB		
ROPS	✓	
Air-adjustable seat with heat (Deluxe only)	✓	
Auto-adjustable seat with heat and air ventilation (Premium only)	✓	
High-resolution 254 mm (10 inch) LCD touchscreen monitor	✓	
Operator protective guards (OPG)		✓
Cat Stick Steer		✓
Auxiliary relay		✓
ELECTRICAL SYSTEM		
Maintenance-free batteries	✓	
LED chassis light, left-hand/right-hand boom lights, cab lights – 1800 lumens	✓	
Centralized electrical disconnect switch	✓	
Programmable time delay working lights after engine shutdown	✓	

	Standard	Optional
ENGINE		
Cat C7.1 twin turbo diesel engine	✓	
Three selectable modes: Power, Smart, Eco	✓	
52°C (126° F) high-ambient cooling capacity with derate	✓	
-18°C (0° F) cold start capability	✓	
Sealed double element air filter with integrated pre-cleaner	✓	
1 x 145 Amp. dual alternator	✓	
Electric fuel priming pump	✓	
Hydraulic and reversible demand fan	✓	
Two-stage fuel filtration system with water separator and indicator	✓	
-32° C (-25° F) cold start capability		✓
SERVICE AND MAINTENANCE		
Scheduled Oil Sampling (S·O·S℠) ports	✓	
Grouped location for engine oil and fuel filter	✓	
Integrated vehicle health management system	✓	
HYDRAULIC SYSTEM		
Electric main control valve	✓	
Boom and stick regeneration circuits	✓	
Auto hydraulic oil warm up	✓	
Auto two-speed travel	✓	
Boom and stick drift reduction valve	✓	
Element type main hydraulic filter	✓	
SmartBoom™ (Europe only)		✓
Hydraulic efficiency monitoring		✓
SAFETY AND SECURITY		
2D E-Fence	✓	
Auto hammer stop	✓	
Rear- and right-side-view cameras	✓	
Right-hand handrail and hand hold	✓	
Service platform with anti-skid plate and countersunk bolts	✓	
Hydraulic lockout lever neutralizes all controls	✓	
Ground level-accessible secondary engine shutoff switch in cab	✓	
Lockable disconnect switch	✓	
Signaling/warning horn	✓	
Cat Command (remote control)		✓
360° visibility		✓
Swing alarm		✓
Inspection lighting		✓

AEXQ3931-01 (10-2025)
Replaces AEXQ3931-00
Build Number: 07H
(Aus-NZ, Europe,
Hong Kong, N Am, Taiwan)

For more complete information on Cat products, dealer services and industry solutions, visit us on the web at www.cat.com.

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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