

336

HYDRAULIC EXCAVATOR



Net Power – ISO 9249
Operating Weight
Maximum Digging Depth

223.5 kW (300 hp)
36 800 kg (81,100 lb)
8210 mm (26.11 ft)



336

HYDRAULIC EXCAVATOR

The Cat® 336 is a high-productivity, low-owning-and-operating cost excavator that will generate more prosperity for you and your business. Not all features available in all regions. Consult your Cat dealer for specific configurations available in your region.



CLASS-LEADING PRODUCTIVITY

Powerful hydraulics, large payload capacity, and strong digging force and swing torque make the 336 a top performer.

LOW OWNING & OPERATING COSTS

Low fuel consumption, long-life filters, and easy-access service points reduce downtime for increased production.

EASY-TO-USE CAT TECHNOLOGY

Available technology makes work simpler and more efficient.

LATEST FEATURES



- Cab Monitor Improvements
 1. Continuously improved user interface allows for intuitive navigation, minimizing performance interruption with the easy-to-use touchscreen menu.
 2. Identify apps quickly with a grid list view, abbreviated app names, and categorized menu options.
 3. A new notification center keeps important information visible to the operator, and displays messages without shrinking the camera view.
 4. Color coded notifications set critical messages apart from the rest.
 5. Use the in-monitor QR code to learn about machine technology and features through a full suite of “how-to” videos.
- Operator Coaching
 1. Operator Coaching is an in-cab system that recognizes specific opportunities for operators to be more productive and prevent unnecessary machine wear and tear.
 2. After detecting inefficient or restricted actions, the system alerts the operator and provides insight into the inefficiency and steps to improve.
 3. Paired with a VisionLink® Productivity subscription, this information and other Operator Coaching insights can be viewed from anywhere.
- Standard integrated vehicle health management system alerts the operator with service guidance and parts needed to enhance uptime.
- Enhance visibility to make service work easier and safer with optional inspection lighting.

Not all features are available in all regions. Please check with your local Cat dealer for specific offering availability in your area. Build Number: 08C

HIGH PERFORMANCE



- The C7.1 twin turbo engine reliably delivers power to the pumps for maximum production.
- The electrohydraulic system responds quickly and efficiently to the task at hand.
- Match the excavator to the job with three power modes – Power, Smart, and Eco. Power mode is maximum power all the time. Smart mode automatically matches engine and hydraulic power to digging conditions, providing maximum power when needed and reducing power when it isn't to help save fuel. Eco mode reduces engine speed and keeps it constant to reduce fuel consumption.
- Reinforced structures ensure long-term durability in harsh environments.
- Work up to 4500 m (14,764 ft) above sea level.
- Standard high-ambient temperature capability is 52° C (125° F) with cold start capability at -18° C (0° F).
- Auto hydraulic oil warmup gets you to work faster in cold temperatures and helps prolong the life of components.
- Two levels of filtration protect the engine from low-quality diesel fuel.
- Grease sealed between track pins and bushings reduces travel noise and prevents debris from entering to increase undercarriage life.



EFFICIENCY THROUGH TECHNOLOGY

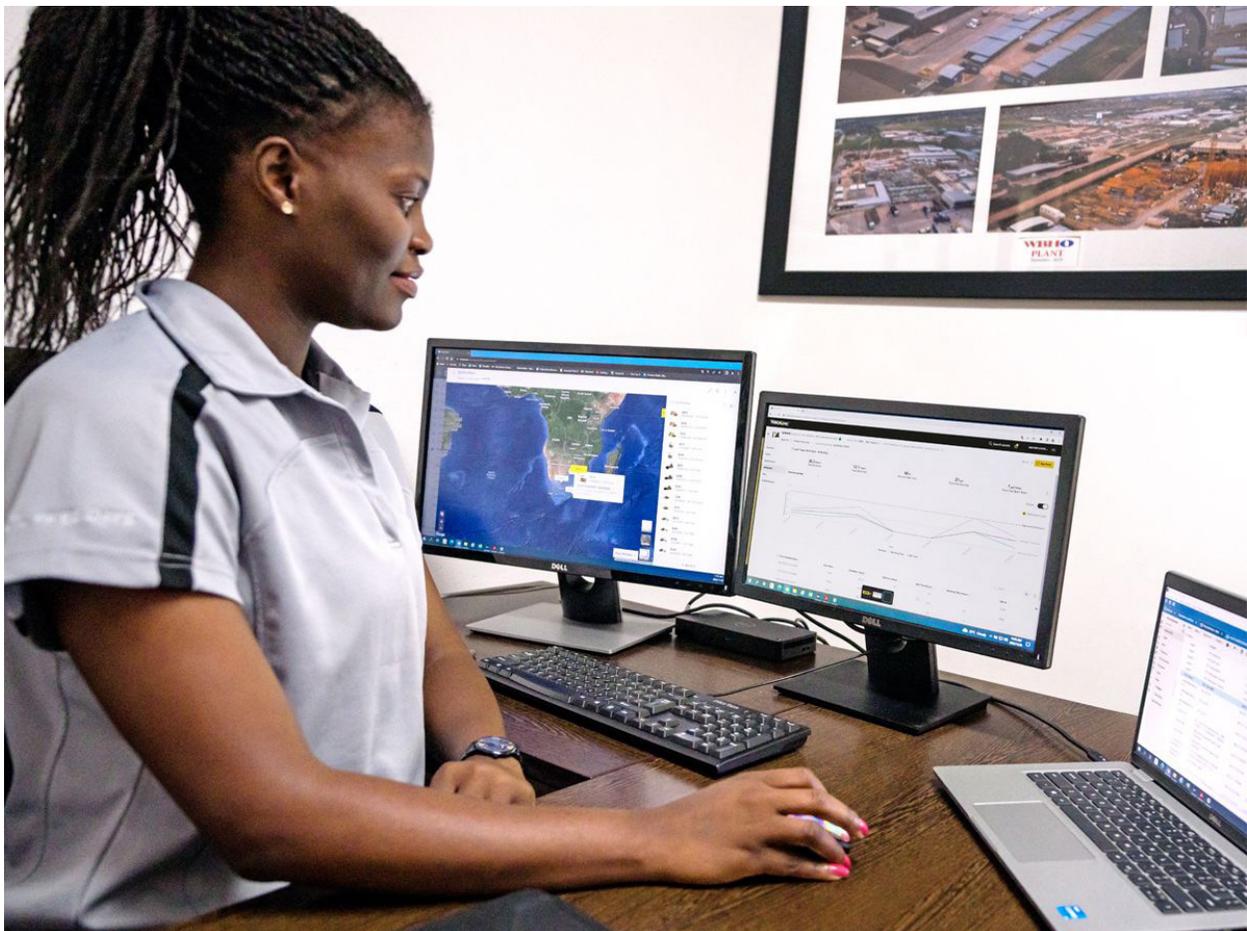
- Boost productivity up to 45% versus traditional grading with standard Cat Grade with 2D system – includes indicate-only and laser capability.
- Want a 3D system to improve your digging results? Caterpillar's single antenna global navigation satellite system (GNSS) makes it easy by giving you visual 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.
- Standard Grade Assist helps you stay on grade – simply and effortlessly – with single-lever digging.
- Dig with guidance to depth, slope, and horizontal distance to grade. You can set up to four different depth and slope targets to help save time and money.
- Automatically stop excavator swing at operator-defined set points in truck loading and trenching applications with Swing Assist.
- 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.
- Combine Payload with VisionLink and remotely manage your production targets.
- Operator Coaching is an in-cab system that recognizes specific opportunities for operators to be more productive and prevent unnecessary machine wear and tear.



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 manufacture.* 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.
- 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.***



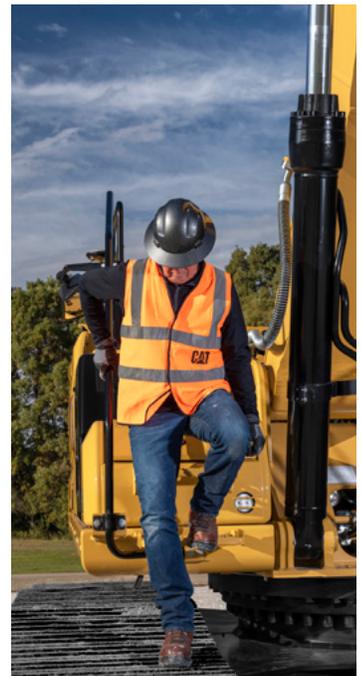
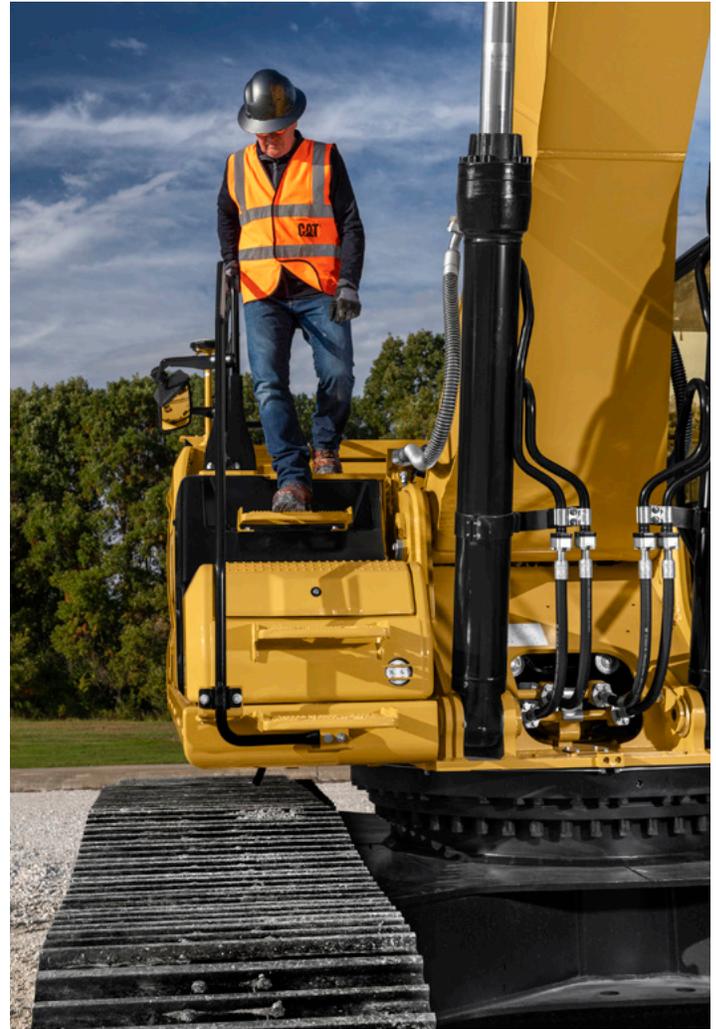
WORK IN COMFORT

- Choose between Deluxe and Premium cabs – both with automatic climate control.
- Deluxe cab comes with heated seat to keep you warm.
- Premium cab comes with heated and ventilated seat for year-round comfort.
- Tilt-up left console enables easy entry and exit.
- 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, overhead, and in the consoles.
- Use the standard radio's USB ports and Bluetooth® technology to connect personal devices and make hands-free calls.



SAFETY

- 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.
- 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.
- Enhance jobsite safety by adding Cat Command to your fleet. The remote control system comes with everything you need like WIFI radio, cameras, and microphone so you can work outside of the cab and avoid potential hazards.
- The Rollover Protective Structure (ROPS) cab meets industry standards and protects the operator in the event of a rollover.
- Enjoy great visibility with the help of narrow cab pillars, large windows, and a flat engine hood design.
- Make service work easier and safer with optional inspection lighting. With the flip of a switch, lights will illuminate the engine, pump, battery, and radiator compartments to enhance visibility.
- Cat Lift Assist helps you avoid tipping by letting you know if your load is within the excavator's safe working range.
- A travel direction indicator helps you know which way to activate travel levers.
- Enhance jobsite safety by adding a swing alarm to alert people when you're rotating from trench to stockpile and back again.
- Keep your excavator secure with Operator ID. Use your PIN code on the monitor to enable the push button starting feature.
- A ground-level shutoff switch stops the engine and machine from operating.
- Serrated steps and anti-skid punch plate on the service platform help prevent slipping.
- A rearview camera is standard.



SIMPLE TO OPERATE

- Start the engine with the push of a button; use a Bluetooth key fob or Operator ID passcode.
- Program each joystick button, including power mode, response, and pattern, using Operator ID; the machine will remember what you set each time you go to work.
- Trouble cutting through tough material? Auto dig boost gives you an automatic power increase of 8 percent when you need it for better bucket penetration, shorter cycle times, and greater payloads.
- Need more lift during your shift? Auto heavy lift gives you 8 percent more power exactly when you need it for as long as you need it.
- Make moving the excavator much easier with optional 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. An auxiliary relay allows 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.
- Cat continues to improve user interface functionality for operators of all skill levels. The touchscreen monitor is an easy-to-use operating tool that presents the jobsite dashboard with an intuitive format. Productivity applications are displayed in grid-view to read on-the-go, and touchscreen navigation is programmed to make sure job performance continues without any hold ups.
- 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.
- 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.



EASY MAINTENANCE



- Boost productivity with proactive service reminders. Our 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.
- Expect less maintenance cost due to 1,000 hour engine oil interval.
- Change all fuel filters at a synchronized 1,000 hours. Filters are grouped and located on right-hand side of machine for easy maintenance.
- Check hydraulic system oil and easily drain fuel system water and fuel tank water from ground level.
- The air intake filter with pre-cleaner has high dust holding capacity.
- The hydraulic oil filter provides superior filtration; anti-drain valves keep oil clean when the filter is replaced.
- The high-efficiency hydraulic fan has an optional automatic reverse function to keep cores free from debris, eliminating the need for any operator interaction.
- Scheduled Oil Sampling (S-O-SSM) ports are on ground level, simplifying maintenance and allowing for quick, easy extraction of fluid samples for analysis.

- The Cat® C7.1 TTA engine meets U.S. EPA Tier 4 Final, EU 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.
- 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.
- Cat® 2D E-fence keeps the front linkage within a predefined work area to avoid hazards such as traffic – not only helping keep personnel safe but also helps you avoid repairs, downtime, and costly jobsite fines.
- Extended maintenance intervals not only reduce downtime but decrease the amount of fluid and filters that are replaced over the life of the machine.
- 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.
- 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 onsite.
- Remote Troubleshoot decreases 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

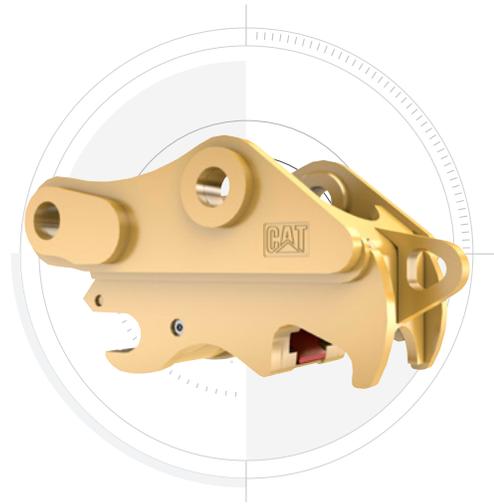
Expand the performance of your excavator with a variety of Cat attachments. Each is designed to maximize the machine's capability of moving material quickly and efficiently.

BUCKETS



Cat buckets and teeth can cut through the toughest material.

COUPLERS



Cat quick couplers let you change between tools in minutes, making the machine much more versatile.

HAMMERS AND MORE



Whether it's breaking rock, cutting steel, or grabbing and loading material, Cat hydromechanical attachments can help you do more work to make more money.

AUTO HAMMER STOP PREVENTS WEAR AND TEAR

Turn on through the monitor and your hammer will automatically stop after 30 seconds of continuous firing. This prevents the tool and excavator from overworking, enhancing the service life of both.

TECHNICAL SPECIFICATIONS

Engine

Net Power – ISO 9249	223.5 kW	300 hp
Net Power – ISO 9249 (DIN)	304 hp (metric)	
Engine Model	Cat C7.1 TTA	
Engine Power – ISO 14396	225 kW	302 hp
Engine Power – ISO 14396 (DIN)	306 hp (metric)	
Bore	105 mm	4 in
Stroke	135 mm	5 in
Displacement	7.01 L	428 in ³
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 2,000 rpm. Advertised power is tested per the specified standard in effect at the 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	560 L/min	148 gal/min
Maximum Pressure – Equipment	35 000 kPa	5,076 psi
Maximum Pressure – Equipment – Lift Mode	38 000 kPa	5,511 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	29 400 kPa	4,264 psi

Swing Mechanism

Swing Speed	8.84 r/min	
Maximum Swing Torque	143 kN-m	105,250 ft-lbf

Weights

Operating Weight	36 800 kg	81,100 lb
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Service Refill Capacities

Fuel Tank Capacity	600 L	158.5 gal
Cooling System	39 L	10.2 gal
Engine Oil	25 L	6.6 gal
Swing Drive – Each	18 L	4.8 gal
Final Drive – Each	8 L	2.1 gal
Hydraulic System – Including Tank	373 L	98.5 gal
Hydraulic Tank	161 L	42.5 gal
Diesel Exhaust Fluid (DEF) Tank	50 L	13.2 gal

Dimensions

Boom	Reach 6.5 m (21'4")	
Stick	Reach 3.9 m (12'10")	
Bucket	HD 2.00 m ³ (2.61 yd ³)	
Shipping Height – Top of Cab	3180 mm	10.5 ft
Handrail Height	3180 mm	10.5 ft
Shipping Length	11 180 mm	36.8 ft
Tail Swing Radius	3530 mm	11.7 ft
Counterweight Clearance	1260 mm	4.2 ft
Ground Clearance	510 mm	1.8 ft
Track Length	5030 mm	16.6 ft
Track Length to Center of Rollers	4040 mm	13.3 ft
Track Gauge	2740 mm	9 ft
Transport Width – 850 mm (33") Shoes	3590 mm	11.9 ft
Transport Width	3190 mm	10.5 ft

Working Ranges & Forces

Boom	Reach 6.5 m (21'4")	
Stick	Reach 3.9 m (12'10")	
Bucket	HD 2.00 m ³ (2.61 yd ³)	
Maximum Digging Depth	8210 mm	26.11 ft
Maximum Reach at Ground Level	11 760 mm	38.7 ft
Maximum Cutting Height	10 740 mm	35.3 ft
Maximum Loading Height	7470 mm	24.6 ft
Minimum Loading Height	1890 mm	6.2 ft
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	8080 mm	26.6 ft
Maximum Vertical Wall Digging Depth	6490 mm	21.4 ft
Bucket Digging Force – ISO	210 kN	47,190 lbf
Stick Digging Force – ISO	144 kN	32,480 lbf

Sustainability

Recyclability	98%
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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 of refrigerant, which has a CO₂ equivalent of 1.430 metric tonnes.

STANDARD & OPTIONAL EQUIPMENT

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

	Standard	Optional		Standard	Optional
PREMIUM CAB			UNDERCARRIAGE AND STRUCTURES		
High-resolution 254 mm (10") LCD touchscreen monitor	✓		Towing eye on base frame	✓	
Auto bi-level air conditioner	✓		Swivel guard	✓	
Jog dial and shortcut keys for monitor control	✓		HD bottom guard	✓	
Keyless push-to-start engine control	✓		HD travel motor guards	✓	
Height-adjustable console	✓		Grease lubricated track	✓	
Tilt-up left-side console	✓		Full-length track guiding guards		✓
Heated and ventilated air-suspension seat	✓		Segmented two-piece track guiding guards		✓
Monitor integrated Bluetooth radio with USB/Auxiliary ports	✓		HD rollers		✓
12V DC outlets	✓		HD swing frame		✓
Document storage	✓		HD swing bearing		✓
Overhead storage and rear storage with nets	✓		6.8 mt (14,991 lb) counterweight		✓
Cup holder	✓		7.56 mt (16,667 lb) counterweight		✓
Openable two-piece front window	✓		600 mm (24") double grouser, triple grouser, HD triple grouser track shoes		✓
Rear window emergency exit	✓		700 mm (28") triple grouser track shoes		✓
Parallel wiper	✓		800 mm (31") triple grouser track shoes		✓
Openable polycarbonate skylight hatch	✓		850 mm (33") triple grouser track shoes		✓
LED dome light	✓		CAT TECHNOLOGY		
Floor welcome light	✓		VisionLink	✓	
Roof sunscreen	✓		Remote Flash	✓	
Roller front sunscreen	✓		Remote Troubleshoot	✓	
Washable floor mat	✓		Compatibility with radios and base stations from Trimble, Topcon, and Leica	✓	
Beacon ready	✓		Capability to install 3D grade systems from Trimble, Topcon, and Leica	✓	
One-piece front windshield		✓	Cat Grade 2D	✓	
Cat Stick Steer		✓	Cat Assist	✓	
Auxiliary relay		✓	Cat Payload	✓	
BOOMS AND STICKS			Work tool recognition	✓	
6.18 m (20'3") Mass boom		✓	Work tool tracking (requires PL161 attachment locator)	✓	
6.5 m (21'4") Reach boom		✓	Cat Grade Connectivity		✓
2.55 m (8'4") Mass stick		✓	VisionLink Productivity		✓
2.8 m (9'2") Reach stick		✓	Cat Grade 2D with Attachment Ready Option (ARO)		✓
3.2 m (10'6") Reach stick		✓	Cat Grade 3D single GNSS		✓
3.9 m (12'10") Reach stick		✓	Cat Grade 3D dual GNSS		✓
TB family bucket linkage with/without lifting eye		✓	Operator Coaching		✓
DB family bucket linkage with/without lifting eye		✓	Cat Tilt Rotator (TRS) Integration		✓
ELECTRICAL SYSTEM			SERVICE AND MAINTENANCE		
Maintenance-free 1,000 CCA batteries (x2)	✓		Integrated vehicle health management system	✓	
Centralized electrical disconnect switch	✓		Grouped location of engine oil and fuel filters	✓	
LED exterior chassis and boom lights	✓				
Maintenance-free 1,000 CCA batteries (x4)		✓			

STANDARD & OPTIONAL EQUIPMENT

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

	Standard	Optional
ENGINE		
Three selectable modes: Power, Smart, Eco	✓	
Auto engine speed control	✓	
-18° C (0° F) cold start capability	✓	
Double element air filter with integrated pre-cleaner	✓	
Remote disable	✓	
Cold start block heater		✓
52° C (126° F) high-ambient cooling		✓
Hydraulic reverse fan		✓
-32° C (-25° F) cold start capability		✓
HYDRAULIC SYSTEM		
Boom and stick regeneration circuit	✓	
Electronic main control valve	✓	
Auto heavy lift	✓	
Auto dig boost	✓	
Auto hydraulic oil warmup	✓	
Bio hydraulic oil capability	✓	
Reverse swing damping valve	✓	
Auto swing parking brake	✓	
High performance hydraulic return filter	✓	
Two speed travel	✓	
Single one-way circuit		✓
Combined two-way circuit		✓
Hydraulic efficiency monitoring		✓
SAFETY AND SECURITY		
Cat E-Fence	✓	
Auto hammer stop	✓	
Lockable door, fuel, and hydraulic tank locks	✓	
Lockable fuel drain compartment	✓	
Service platform with anti-skid plate and recessed bolts	✓	
Right Hand (RH) handrail and handhold	✓	
Signaling/warning horn	✓	
Ground-level secondary engine shutoff switch	✓	
Rearview camera	✓	
Lockable disconnect switch	✓	
Cat Command (remote control)		✓
Swing alarm		✓
Boom lowering check valve		✓
Stick lowering check valve		✓

	Standard	Optional
DELUXE CAB		
High-resolution 203 mm (8") LCD touchscreen monitor	✓	
Auto bi-level air conditioner	✓	
Jog dial and shortcut keys for monitor control	✓	
Keyless push-to-start engine control	✓	
Height-adjustable console	✓	
Tilt-up left-side console	✓	
Heated air-suspension seat	✓	
Monitor integrated Bluetooth radio with USB/Auxiliary ports	✓	
12V DC outlets	✓	
Document storage	✓	
Overhead storage and rear storage with nets	✓	
Cup holder	✓	
Openable two-piece front window	✓	
Rear window emergency exit	✓	
Radial wiper with washer	✓	
Openable polycarbonate skylight hatch	✓	
LED dome light	✓	
Floor welcome light	✓	
Roof sunscreen	✓	
Roller front sunscreen	✓	
Washable floor mat	✓	
Beacon ready	✓	
High-resolution 254 mm (10") LCD touchscreen monitor		✓
Roller rear sunscreen		✓
Cat Stick Steer		✓
Auxiliary relay		✓

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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AEXQ3448-02
Replaces AEXQ3448-01
Build Number: 08C
(Aus-NZ, Europe, N Am,
Turkey, Chile, Colombia)

