

Cat[®] 308 CR

MINI HYDRAULIC EXCAVATOR

FEATURES:

The Cat[®] 308 CR Mini Excavator delivers maximum power and performance in a mini size to help you work in a wide range of applications.

ALL DAY COMFORT

 A sealed and pressurized cab is equipped with an improved air conditioning system, adjustable wrist rests and a suspension seat to help keep you working comfortably all day long.

EASY TO OPERATE

• Controls are easy to use and the intuitive Next Generation Monitor provides customizable machine operator preferences and easy to read machine information.

STICK STEER TRAVEL MODE

Moving around the job site is even easier with Cat Stick Steer. Easily switch from traditional travel controls with levers and pedals to joystick controls with a push of a button. The benefit of less effort and improved control is in your hands!

BIG PERFORMANCE IN A MINI DESIGN

 Increased lifting, swinging, travel and multi-functioning performance help you get the job done more efficiently, and blade float allows for easy clean up.

SAFETY ON THE JOB SITE

Your safety is our top priority. The Cat Mini Excavator is designed to help keep you safe on the job. A back-up camera, courtesy work lights and a fluorescent retractable seat belt with optional seat belt reminder system are just a few of the safety features we've built into the machine.

SIMPLE SERVICE FOR LESS DOWNTIME

 Maintenance is quick and easy on the Cat Mini Excavator. Routine check points are easy to access at ground level with grouped service points and robust service panels.

LOWER OPERATING COSTS

 Equipped with features such as auto idle, auto engine shutdown, and efficient hydraulics with a variable displacement pump, the Cat Mini Excavator was designed with reducing your operating costs in mind.

UNMATCHED DEALER SUPPORT

Your Cat dealer is here to help you reach your business goals.
 From providing equipment solutions to operator training to service needs and beyond, your Cat dealer is ready to help.



CAT TECHNOLOGY

EASE OF USE FOR CAT MINI EXCAVATORS

Ease of Use assists operators in controlling the machine to simplify operation, improve accuracy and enhance overall productivity on the job site. Ease of Use is available equipped on your mini excavator from the factory or as an upgrade kit post purchase.

Operators can choose from two software packages, Indicate or E-Fence to suit their application needs.

INDICATE

Ease of Use Indicate is an entry-level grade system providing visual and audible indicators to where the bucket is versus a target grade to cut and fill to exact specifications the first time without overcutting.

- · Ideal for digging footings, septic systems, foundations, slope work and similar applications with level sites.
- Machine integrated depth measurement system from selected bench
- Operators can target a grade relative to the machine chassis (machine reference) or relative to gravity (earth reference).
- Operator can program a flat grade or a slope.
- · Does not include the ability to automatically adjust stick, boom or bucket position. Cat Grade is required for autos functionality.
- Includes Swing Assist ideal for truck loading and trenching applications, and Bucket Assist ideal for sloping, leveling, fine grading and trenching applications.

E-FENCE

Ease of Use E-Fence automatically constrains machine motion within operator pre-set boundaries for Ceiling, Floor, Wall and Swing to avoid structures overhead, underground, in front or to the left or right of the machine.

- Ideal for applications near high-traffic, protecting structures on the job site, avoiding fiber optic cables and other underground utilities.
- · Limits boom, stick, bucket, house and boom swing from operating beyond set boundaries.
- Includes Swing Assist ideal for truck loading and trenching applications, and Bucket Assist ideal for sloping, leveling, fine grading and trenching applications.

CAT GRADE

Cat Grade is available as an aftermarket-installed automatics system that is easy to learn and use. Cat Grade Advanced 2D and 3D give you the ability to create, manage and grade simple to complex designs with accuracy ensuring cuts and fills are made to exact specifications. Cat Grade reduces costs, improves accuracy, provides improved operator efficiency and enhances safety.

GRADE ADVANCED 2D

Cat Grade Advanced 2D allows the operator to set parameters for digging and leveling operations, including cross slope and work site main fall. Grade Advanced 2D also lets the operator input, edit and work to basic 2D design plans from the operator's seat.

- Ideal for commercial site pad designs, trenches, commercial septic systems and similar applications.
- Provides bucket position in real time, and the operator can select from a number of different viewing angles.

GRADE 3D

Cat Grade 3D for excavators adds deeper design capabilities, plus, Global navigation satellite system (GNSS) receivers and a correctional data source to achieve Real Time Kinematic (RTK) positioning guidance for more complex planes, slopes, contours and curves.

- Provides operator with bucket positioning in relation to preloaded 3D design files or background maps.
- Helps to coordinate multiple machine operations while maintaining accurate digging parameters across large job sites.

Availability varies by region, please contact our Cat dealer to discuss the best technology options for you and your application.

Specifications

Engine

Engine Model	Cat C3.3B	
Net Power		
ISO 9249, 80/1269/EEC	51.8 kW	69.5 hp
Engine Power		
ISO 14396	55.4 kW	74.3 hp
Bore	94 mm	3.7 in
Stroke	120 mm	4.7 in
Displacement	3.33 L	203 in ³

• Meets U.S. EPA Tier 4 Final and EU Stage V emissions standards.

- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power advertised is the power available at the flywheel when the engine is at the rated speed of 2,200 rpm and the engine is installed with the factory configured fan, air intake system, exhaust system and alternator with a minimum alternator load.

Weights

Minimum Operating Weight with Cab*	8440 kg	18,610 lb
Maximum Operating Weight with Cab**	9355 kg	20,628 lb

*Minimum Weight is based on rubber tracks, no counterweight, operator, full fuel tank, standard stick, blade and no bucket.

**Maximum Weight is based on steel tracks with rubber pads, (500 kg/1,103 lb) counterweight, operator, full fuel tank, long stick, blade and no bucket.

Weight Increase from Minimum Configuration

Counterweight	250 kg	551 lb	
Counterweight	500 kg	1,103 lb	
Long Stick	66 kg	146 lb	
Steel Tracks with Pads	341 kg	752 lb	

Travel System

Travel Speed – High	5.1 km/h	3.2 mph
Travel Speed – Low	3.1 km/h	1.9 mph
Maximum Traction Force – High Speed	27.8 kN	6,250 lbf
Maximum Traction Force – Low Speed	67.5 kN	15,175 lbf
Ground Pressure – Minimum Weight	36.9 kPa	5.4 psi
Ground Pressure – Maximum Weight	40.9 kPa	5.9 psi
Gradeability (maximum)	30 degrees	

Service Refill Capacities

Cooling System	10.0 L	2.6 gal
Engine Oil	11.2 L	3.0 gal
Fuel Tank	147 L	39 gal
Hydraulic Tank	53 L	14 gal
Hydraulic System	110 L	29 gal

Hydraulic System

<u> </u>				
Load Sensing Hydraulics with Variable Di	splacement Pist	ton Pump		
Pump Flow @ 2,400 rpm	167 L/min	44 gal/min		
Operating Pressure – Equipment	285 bar	4,134 psi		
Operating Pressure – Travel	285 bar	4,134 psi		
Operating Pressure – Swing	250 bar	3,626 psi		
Maximum Auxiliary Circuit – Primary				
Flow at Pump*	131 L/min	35 gal/min		
Pressure at Pump*	285 bar	4,134 psi		
Maximum Auxiliary Circuit – Secondary				
Flow at Pump*	33 L/min	9 gal/min		
Pressure at Pump*	285 bar	4,134 psi		
Digging Force – Stick (Standard)	42.3 kN	9,509 lbf		
Digging Force – Stick (Long)	35.7 kN	8,032 lbf		
Digging Force – Bucket	62.0 kN	13,946 lbf		

*Flow and pressure are not combinable. Under load, as flow rises pressure goes down.

Swing System

Machine Swing Speed	10.6 rpm
Boom Swing – Left	60 degrees
Boom Swing – Right	50 degrees

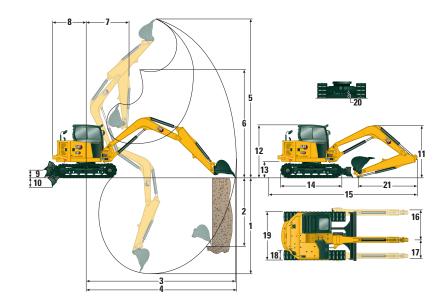
Blade

Width (Standard)	2300 mm	90.6 in
Width (Wide)	2450 mm	96.5 in
Height	431 mm	17 in

Certification – Cab

Roll Over Protective Structure (ROPS)ISO 12117-2:2008Top GuardISO 10262:1998 (Level I)

308 CR Mini Hydraulic Excavator



Dimensions

Boom Transport – No Tools* 2430 mm (95.7 in) 2260 mm (89.0 in) Boom Working – With Tools** 2660 mm (104.7 in) 3050 mm (120.1 in) 12 Cab Height 2541 mm (100.0 in) 2541 mm (100.0 in) 13 Swing Bearing Height 756 mm (29.7 in) 756 mm (29.7 in) 14 Overall Undercarriage Length 2880 mm (113.4 in) 2880 mm (113.4 in) 15 Overall Shipping Length 6706 mm (264.0 in) 6872 mm (271.0 in)*** with Counterweight (250 kg/551 lb) 6706 mm (264.0 in) 6872 mm (271.0 in)*** with Counterweight (500 kg/1,103 lb) 6747 mm (266.0 in) 6872 mm (271.0 in)*** 16 Boom Swing Right 935 mm (36.8 in) 935 mm (36.8 in) 17 Boom Swing Left 604 mm (23.8 in) 604 mm (23.8 in) 18 Track Belt/Shoe Width 450 mm (17.7 in) 450 mm (17.7 in) 19 Overall Track Width 2300 mm (90.6 in) 2300 mm (90.6 in)		Standard Stick	Long Stick
3 Maximum Reach at Ground Level 6949 mm (273.6 in) 7460 mm (293.7 in) 4 Maximum Reach 7141 mm (281.1 in) 7637 mm (300.7 in) 5 Maximum Dig Height 6736 mm (265.2 in) 7039 mm (277.1 in) 6 Maximum Dig Height 6736 mm (265.2 in) 7039 mm (277.1 in) 7 Boom in Reach 3059 mm (187.4 in) 5072 mm (199.7 in) 7 Boom in Reach 3059 mm (120.4 in) 3215 mm (126.6 in) 8 Tail Swing		4108 mm (161.7 in)	4643 mm (182.8 in)
4 Maximum Reach 7141 mm (281.1 in) 7637 mm (300.7 in) 5 Maximum Dig Height 6736 mm (265.2 in) 7033 mm (277.1 in) 6 Maximum Dump Clearance 4760 mm (187.4 in) 5072 mm (199.7 in) 7 Boom in Reach 3059 mm (120.4 in) 3215 mm (126.6 in) 8 Tail Swing	2 Vertical Wall	2991 mm (117.8 in)	3404 mm (134.0 in)
5 Maximum Dig Height 6736 mm (265.2 in) 7039 mm (277.1 in) 6 Maximum Dump Clearance 4760 mm (187.4 in) 5072 mm (199.7 in) 7 Boom in Reach 3059 mm (120.4 in) 3215 mm (126.6 in) 8 Tail Swing	3 Maximum Reach at Ground Level	6949 mm (273.6 in)	7460 mm (293.7 in)
6 Maximum Dump Clearance 4760 mm (187.4 in) 5072 mm (199.7 in) 7 Boom in Reach 3059 mm (120.4 in) 3215 mm (126.6 in) 8 Tail Swing	4 Maximum Reach	7141 mm (281.1 in)	7637 mm (300.7 in)
7 Boom in Reach 3059 mm (120.4 in) 3215 mm (126.6 in) 8 Tail Swing 1585 mm (62.0 in) 1585 mm (62.0 in) 9 Maximum Blade Leight 1626 mm (64.0 in) 1626 mm (64.0 in) 10 Maximum Blade Height 370 mm (14.6 in) 370 mm (14.6 in) 10 Maximum Blade Depth 407 mm (16.0 in) 407 mm (16.0 in) 11 Boom Transport – No Tools* 2430 mm (95.7 in) 2260 mm (89.0 in) 12 Cab Height 3505 mm (120.1 in) 3505 mm (120.1 in) 13 Swing Bearing Height 756 mm (29.7 in) 2260 mm (89.0 in) 13 Swing Bearing Height 756 mm (29.7 in) 2680 mm (110.1 in) 14 Overall Undercarriage Length 2880 mm (113.4 in) 2880 mm (113.4 in) 15 Overall Shipping Length 6706 mm (264.0 in) 6872 mm (271.0 in)*** 16 Boom Swing Right 935 mm (36.8 in) 935 mm (36.8 in) 935 mm (36.8 in) 17 Boom Swing Right 935 mm (36.8 in) 935 mm (36.8 in) 935 mm (36.8 in) 18 Boom Swing Right 930 mm (17	5 Maximum Dig Height	6736 mm (265.2 in)	7039 mm (277.1 in)
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with Counterweight (250 kg/551 lb) 6706 mm (264.0 in) 6872 mm (271.0 in)*** with Counterweight (500 kg/1,103 lb) 6747 mm (266.0 in) 6872 mm (271.0 in)*** without Counterweight 6574 mm (258.8 in) 6872 mm (271.0 in)*** 16 Boom Swing Right 935 mm (36.8 in) 935 mm (36.8 in) 17 Boom Swing Left 604 mm (23.8 in) 604 mm (23.8 in) 18 Track Belt/Shoe Width 450 mm (17.7 in) 450 mm (17.7 in) 19 Overall Track Width 2300 mm (90.6 in) 2300 mm (90.6 in) 20 Ground Clearance 350 mm (13.8 in) 350 mm (13.8 in)	14 Overall Undercarriage Length	2880 mm (113.4 in)	2880 mm (113.4 in)
with Counterweight (500 kg/1,103 lb) 6747 mm (266.0 in) 6872 mm (271.0 in)*** without Counterweight 6574 mm (258.8 in) 6872 mm (271.0 in)*** 16 Boom Swing Right 935 mm (36.8 in) 935 mm (36.8 in) 17 Boom Swing Left 604 mm (23.8 in) 604 mm (23.8 in) 18 Track Belt/Shoe Width 450 mm (17.7 in) 450 mm (17.7 in) 19 Overall Track Width 2300 mm (90.6 in) 2300 mm (90.6 in) 20 Ground Clearance 350 mm (13.8 in) 350 mm (13.8 in)			
without Counterweight 6574 mm (258.8 in) 6872 mm (271.0 in)*** 16 Boom Swing Right 935 mm (36.8 in) 935 mm (36.8 in) 17 Boom Swing Left 604 mm (23.8 in) 604 mm (23.8 in) 18 Track Belt/Shoe Width 450 mm (17.7 in) 450 mm (17.7 in) 19 Overall Track Width 2300 mm (90.6 in) 2300 mm (90.6 in) 20 Ground Clearance 350 mm (13.8 in) 350 mm (13.8 in)	with Counterweight (250 kg/551 lb)	6706 mm (264.0 in)	6872 mm (271.0 in)***
16 Boom Swing Right 935 mm (36.8 in) 935 mm (36.8 in) 17 Boom Swing Left 604 mm (23.8 in) 604 mm (23.8 in) 18 Track Belt/Shoe Width 450 mm (17.7 in) 450 mm (17.7 in) 19 Overall Track Width 2300 mm (90.6 in) 2300 mm (90.6 in) 20 Ground Clearance 350 mm (13.8 in) 350 mm (13.8 in)	with Counterweight (500 kg/1,103 lb)	6747 mm (266.0 in)	6872 mm (271.0 in)***
17 Boom Swing Left 604 mm (23.8 in) 604 mm (23.8 in) 18 Track Belt/Shoe Width 450 mm (17.7 in) 450 mm (17.7 in) 19 Overall Track Width 2300 mm (90.6 in) 2300 mm (90.6 in) 20 Ground Clearance 350 mm (13.8 in) 350 mm (13.8 in)	without Counterweight	6574 mm (258.8 in)	6872 mm (271.0 in)***
18 Track Belt/Shoe Width 450 mm (17.7 in) 450 mm (17.7 in) 19 Overall Track Width 2300 mm (90.6 in) 2300 mm (90.6 in) 20 Ground Clearance 350 mm (13.8 in) 350 mm (13.8 in)	16 Boom Swing Right	935 mm (36.8 in)	935 mm (36.8 in)
19 Overall Track Width 2300 mm (90.6 in) 2300 mm (90.6 in) 20 Ground Clearance 350 mm (13.8 in) 350 mm (13.8 in)		604 mm (23.8 in)	604 mm (23.8 in)
20 Ground Clearance 350 mm (13.8 in) 350 mm (13.8 in)	18 Track Belt/Shoe Width	450 mm (17.7 in)	450 mm (17.7 in)
	19 Overall Track Width	2300 mm (90.6 in)	2300 mm (90.6 in)
21 Stick Length 1820 mm (71.7 in) 2358 mm (92.8 in)	20 Ground Clearance	350 mm (13.8 in)	350 mm (13.8 in)
	21 Stick Length	1820 mm (71.7 in)	2358 mm (92.8 in)

*Boom Height when stick is pinned in transport position with no attachments.

**Boom Height when stick is pinned in working position with attachments. Standard Stick offers only one pin position.

***With blade positioned at the rear of the machine.

				Lift Point Radius 3 m (9.8 ft)			Lift Point Radius 4.5 m (14.8 ft)			Lift Point Radius (Maximum)			
			Over	Front		Over	Front		Over	Front			
	Lift Point Height		Blade Down	Blade Up	Over Side	Blade Down	Blade Up	Over Side	Blade Down	Blade Up	Over Side	m (ft)	
4.5 m	Standard Stick	kg (lb)				2444* (5,389*)	1880 (4,145)	1635 (3,605)	2195* (4,840*)	1496 (3,299)	1304 (2,875)	5.13 (16.8)	
(14.8 ft)	Long Stick	kg (lb)							1625* (3,583*)	1240 (2,734)	1079 (2,379)	5.74 (18.8)	
3 m	Standard Stick	kg (lb)				2767* (6,101*)	1814 (4,000)	1572 (3,466)	2130* (4,697*)	1164 (2,567)	1013 (2,234)	5.9 (19.4)	
(9.8 ft)	Long Stick	kg (lb)				2401* (5,294*)	1833 (4,042)	1587 (3,499)	1584* (3,493*)	1001 (2,207)	867 (1,912)	6.42 (21.1)	
1.5 m	Standard Stick	kg (lb)				3346* (7,378*)	1693 (3,733)	1456 (3,210)	2307* (5,087*)	1063 (2,344)	921 (2,031)	6.13 (20.1)	
(4.9 ft)	Long Stick	kg (lb)				3079* (6,789*)	1693 (3,733)	1454 (3,206)	1692* (3,731*)	920 (2,029)	793 (1,749)	6.63 (21.8)	
0 m	Standard Stick	kg (lb)	3749* (8,267*)	2987 (6,586)	2470 (5,446)	3533* (7,790*)	1610 (3,550)	1377 (3,036)	2365* (5,215*)	1098 (2,421)	949 (2,093)	5.89 (19.3)	
(0 ft)	Long Stick	kg (lb)	3845* (8,478*)	2934 (6,469)	2417 (5,329)	3480* (7,673*)	1579 (3,482)	1346 (2,968)	1991* (4,390*)	939 (2,070)	807 (1,779)	6.42 (21.1)	

Lift Capacities – Minimum Configuration

Minimum Weight includes rubber belts, cab, operator, full fuel tank, no counterweight and no bucket.

Lift Capacities – Maximum Configuration

	Lift Point Radius 3 m (9.8 ft)			Lift Point Radius 4.5 m (14.8 ft)			Lift Point Radius (Maximum)					
			Over Front			Over Front			Over Front			[
	Lift Point Height		Blade Down	Blade Up	Over Side	Blade Down	Blade Up	Over Side	Blade Down	Blade Up	Over Side	m (ft)
4.5 m	Standard Stick	kg (lb)				2444* (5,389*)	2444* (5,389*)	1966 (4,335)	2195* (4,840*)	1810 (3,991)	1584 (3,493)	5.13 (16.8)
(14.8 ft)	Long Stick	kg (lb)							1625* (3,583*)	1625* (3,583*)	1324 (2,919)	5.74 (18.8)
3 m	Standard Stick	kg (lb)				2767* (6,101*)	2186 (4,820)	1903 (4,196)	2130* (4,697*)	1427 (3,147)	1250 (2,756)	5.9 (19.4)
(9.8 ft)	Long Stick	kg (lb)				2401* (5,294*)	2401* (5,294*)	1918 (4,229)	1584* (3,493*)	1238 (2,730)	1082 (2,386)	6.42 (21.1)
1.5 m	Standard Stick	kg (lb)				3346* (7,378*)	2065 (4,553)	1788 (3,943)	2307* (5,087*)	1314 (2,897)	1148 (2,531)	6.13 (20.1)
(4.9 ft)	Long Stick	kg (lb)				3079* (6,789*)	2065 (4,553)	1785 (3,936)	1692* (3,731*)	1147 (2,529)	999 (2,203)	6.63 (21.8)
0 m	Standard Stick	kg (lb)	3749* (8,267*)	3749* (8,267*)	3048 (6,721)	3533* (7,790*)	1982 (4,370)	1709 (3,768)	2365* (5,215*)	1361 (3,001)	1186 (2,615)	5.89 (19.3)
(0 ft)	Long Stick	kg (lb)	3845* (8,478*)	3845* (8,478*)	2995 (6,604)	3480* (7,673*)	1952 (4,304)	1677 (3,698)	1991* (4,390*)	1176 (2,593)	1022 (2,254)	6.42 (21.1)

Maximum Weight includes steel tracks with pads, cab, operator, full fuel tank, counterweight (500 kg/1,103 lb) and no bucket.

*The above loads are in compliance with hydraulic excavator lift capacity rating standard ISO 10567:2007 and they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. The excavator bucket weight is not included on this chart.

308 CR Environmental Declaration

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

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

Engine

- The Cat[®] C3.3B engine meets U.S. EPA Tier 4 Final and EU Stage V 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)*
 - ✓ 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.

*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.

Air Conditioning System

• The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.0 kg of refrigerant which has a CO_2 equivalent of 1.430 metric tonnes.

Paint

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

Sound Performance

Operator Sound Pressure 72 dB(A) (ISO 6396:2008)*

External Sound Power Level 99 dB(A) (ISO 6395:2008)**

- *The declared dynamic operator sound pressure levels per ISO 6396:2008. The measurements were conducted with the cab doors and windows closed.
- **The labeled sound power level for the CE marked configurations when measured according to the test procedure and conditions specified in 2000/14/EC.

Oils and Fluids

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

Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
 - Advanced hydraulic systems balance power and efficiency
- Power On Demand provides full time efficiency and power when you need it, and is transparent to the operator
- Auto idle and auto engine shutdown
- Extended maintenance intervals reduce fluid and filter consumption
- Remote Flash and Remote Troubleshoot (if equipped)
- Mini Hydraulic Excavator Ease of Use features improve operator efficiency minimizing fuel consumption (if equipped)
- Cat Grade Advanced 2D and 3D improves operator efficiency minimizing fuel consumption (if equipped)

Recycling

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

Material Type	Weight Percentage
Steel	65.52%
Iron	21.19%
Rubber	3.50%
Mixed Metal	2.20%
Other	1.89%
Nonferrous Metal	1.81%
Plastic	1.55%
Fluid	1.47%
Mixed-Metal and Nonmetal	0.85%
Mixed Nonmetallic	0.01%
Uncategorized	0.00%
Total	100.00%

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

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

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

Recyclability - 96%

• The data provided above was based on the product configuration as provided by the individual product group.

Standard and Optional Equipment

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

	Standard	Optional
ENGINE		
Cat® C3.3 Diesel Engine (U.S. EPA Tier 4 Final/ EU Stage V) – Electronic Engine, Turbo, Diesel Particulate Filter (DPF)	\checkmark	
Automatic Engine Idle	\checkmark	
Automatic Engine Shutdown	\checkmark	
Automatic Swing Brake	\checkmark	
Automatic Two Speed Travel	\checkmark	
Fuel Water Separator with Indicator	\checkmark	
Radial Seal – Double Element Air Filter	\checkmark	
Extended Life Coolant, –37° C (–37° F)	✓	
HYDRAULICS		
Electronic Variable Displacement Piston Pump	\checkmark	
Load Sensing/Flow Sharing Hydraulics	\checkmark	
Power On Demand	\checkmark	
Hydraulic Temperature Monitoring	\checkmark	
Certified Accumulator	\checkmark	
HYD0™ Advanced Hydraulic Oil	\checkmark	
OPERATOR ENVIRONMENT		
Stick Steer Mode	\checkmark	
Travel Cruise Control	\checkmark	
Control Pattern Changer	\checkmark	
Adjustable Wrist Rests	✓	
Molded Footrests	\checkmark	
Removable, Washable Floor Mat	\checkmark	
Travel Pedals and Hand Levers	\checkmark	
Cat Key with Passcode Option	\checkmark	
Push to Start with Bluetooth® Key		\checkmark
HVAC with Automatic Temperature Control	\checkmark	
Hydraulic Lockout Controls	\checkmark	
Integrated Lower Front Window	\checkmark	
Assisted Front Window Overhead Storage	\checkmark	
Rear Window Emergency Exit	\checkmark	
Cab Mirrors (vary by region)	\checkmark	
Fabric, High Back, Suspension Seat	\checkmark	
Air Suspension Heated Seat		\checkmark
Retractable Seat Belt (75 mm/3 in)	\checkmark	
Seat Belt Reminder System		\checkmark
Coat Hook	\checkmark	
Cup Holder	\checkmark	
LED Interior Light	\checkmark	
Literature Holder	\checkmark	

	Standard	Optional
OPERATOR ENVIRONMENT (continued)		
Mounting Bosses for Top and Front Guards	✓	
12V Power Socket	\checkmark	
Radio – Bluetooth, Auxiliary, Microphone, USB (charging only)	√	
Skylight	\checkmark	
Signaling/Warning Horn	\checkmark	
Cab and (left side) Boom Work Lights	\checkmark	
Utility Space for Mobile Phone	\checkmark	
Rain Visor		\checkmark
Next Generation Color LCD Monitor (IP66)	\checkmark	
– Jog Dial Interface		
 – Fuel Level and Coolant Temperature Gauges 		
– Maintenance and Machine Monitoring		
– Performance and Machine Adjustments		
– Numeric Security Code		
– Multiple Languages		
– Camera Ready (IP68 and IP69K)		
– Hour Meter with Wake Up Switch		
Next Generation Advanced Monitor (below are all included with Next Generation Advanced Monitor option)		\checkmark
– Touch Screen		
 Site Reference System 		
– High Definition Camera Capable (IP68 and IP69K)		
– Numeric Security Code		
TECHNOLOGY (availability varies by region)		
Ease of Use Indicate		\checkmark
Ease of Use E-Fence		\checkmark
Cat Grade Advanced 2D		\checkmark
Cat Grade 3D		\checkmark
Product Link™ Basic	√	
Product Link Elite (regulations apply)		✓
UNDERCARRIAGE		
Greased and Lubricated Track	✓	
Tie Down Eyes on Track Frame	√	
Dozer Blade	\checkmark	
Wide Dozer Blade		\checkmark
Dozer Float	✓	
Bolt-on, Reversible Wear Edge	✓	
Steel Tracks (450 mm/17.7 in wide)		✓
Wide Steel Tracks (600 mm/23.6 in)		√
Steel Track with Rubber Pads		✓
Track Guides		\checkmark

(continued on next page)

Standard and Optional Equipment (continued)

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

	Standard	Optional
BOOM, STICK AND LINKAGES		
One Piece Boom (3400 mm/133.9 in)	\checkmark	
Standard Stick (1820 mm/71.7 in)	\checkmark	
Long Stick (2360 mm/92.9 in)		\checkmark
Front Shovel Capable – Pin-on/ Manual Coupler/Hydraulic Coupler (not available in all regions)	√	
Thumb Ready (not available in all regions)	\checkmark	
Attachments including Buckets, Augers and Hammers		\checkmark
2nd Auxiliary Hydraulic Lines		\checkmark
Boom Lowering Control Valve (Standard in Europe)		\checkmark
Boom Lowering Control Valve (Standard in Europe)		\checkmark
Certified Lifting Eye		\checkmark
ELECTRICAL		
12 Volt Electrical System	\checkmark	
60 Ampere Alternator	\checkmark	
Circuit Breaker	\checkmark	
900 CCA Maintenance Free Battery	\checkmark	
Lock Out/Tag Out Battery Disconnect	\checkmark	
Ignition Key Stop Switch	\checkmark	
Travel Alarm		\checkmark
Rear Camera	\checkmark	
Rear and Side Camera		~
Rotating Beacon		\checkmark

	Standard	Optional
GUARDING		-
ROPS ISO 12117-2:2008	\checkmark	
Top Guard ISO 10262:1998 (Level I)	√	
Top Guard ISO 10262:1998 (Level II)		\checkmark
Front Guard (Mesh) ISO 10262:1998 (Level I)		\checkmark
Front Guard (Heavy Duty) ISO 10262:1998 (Level II)		√
Track Guards		\checkmark
OTHER		
Counterweight (250 kg/551 lb)		\checkmark
Counterweight (500 kg/1,103 lb)		\checkmark
Locks on External Enclosure Doors	\checkmark	
Lockable Fuel Cap	\checkmark	
Beacon Socket	√	
Rear Reflectors	\checkmark	
Water Jacket Heater		\checkmark
Refueling Pump		\checkmark
Variable Angle Boom (refer to 308 CR VAB brochure for VAB specs and additional information)		\checkmark

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

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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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