

Cat®
305 CR

Mini Excavator

Features:

The Cat® 305 CR Mini Excavator delivers power and performance in a compact size to help you work in a wide range of applications.

ALL DAY COMFORT

- Choose either a canopy (not available in some regions) or a sealed and pressurized cab which can be equipped with air conditioning, 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 LCD monitor provides easy to read machine information. An advanced touchscreen monitor can also be equipped as an upgrade option.

STICK STEER TRAVEL MODE

- Moving around the job site is even easier with the Cat Stick Steer option. Easily switch from traditional travel controls with levers and pedals to joystick controls to move the machine and to operate the blade. The benefit of less effort and improved control is in your hands!

BIG PERFORMANCE IN A COMPACT DESIGN

- Strong lift and dig performance helps you get the job done faster. The compact radius design lets you access and work in the tightest areas. Dig-to-blade and dozer blade float features allow for easy cleanup. An angle blade is also an option for finished grading and easier backfilling applications.

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. Courtesy work lights and a fluorescent retractable seat belt with optional seat belt reminder system are just a couple 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 through the side doors.

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.

AVAILABLE OPTIONS

- Improve productivity and accuracy on the job site with optional Cat technology packages, Ease of Use and Cat Grade. Optional third auxiliary hydraulics or refueling pump blends versatility and efficiency.

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®

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.

LASER CATCHER

Provides the ability to reference a laser transmitter for a consistent reference point across the job site. It reduces the requirement for manual grade checking either by the operator or additional personnel around the machine. The laser catcher is retrofittable to all Ease of Use ready machines.

- Improve operator efficiency and safety on the job site through using a site reference laser to set a fixed reference point.
- Allows the operator to bench once, reference the laser transmitter, and then continue to dig to desired grade without the need to re-bench across the job site.

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	C1.7 Turbo	
Net Power		
ISO 9249, 80/1269/EEC	33.6 kW	45.0 hp
Engine Power		
ISO 14396	36.1 kW	48.4 hp
Bore	84.0 mm	3.3 in
Stroke	100.0 mm	3.9 in
Displacement	1.662 L	101 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 2,400 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 Canopy*	5006 kg	11,038 lb
Maximum Operating Weight with Canopy**	5665 kg	12,491 lb
Minimum Operating Weight with Cab*	5105 kg	11,257 lb
Maximum Operating Weight with Cab**	5764 kg	12,710 lb

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

**Maximum Weight is based on steel tracks with pads, operator, full fuel tank, long stick, straight blade, extra counterweight and no bucket.

Weight Increase from Minimum Configuration

Counterweight	242 kg	534 lb
Long Stick	34 kg	75 lb
Steel Tracks with Pads	375 kg	827 lb
Angle Blade	92 kg	203 lb

Travel System

Travel Speed – High	5.0 km/h	3.1 mph
Travel Speed – Low	2.8 km/h	1.7 mph
Maximum Traction Force – High Speed	24.7 kN	5,553 lbf
Maximum Traction Force – Low Speed	50.5 kN	11,353 lbf
Ground Pressure – Minimum Weight	27.3 kPa	4.0 psi
Ground Pressure – Maximum Weight	32.2 kPa	4.7 psi
Gradeability (maximum)	30 degrees	

Service Refill Capacities

Cooling System	11.0 L	2.9 gal
Engine Oil	6.0 L	1.6 gal
Fuel Tank	68.0 L	18.0 gal
Hydraulic Tank	60.0 L	16.0 gal
Hydraulic System	75.0 L	20.0 gal

Hydraulic System

Load Sensing Hydraulics with Variable Displacement Piston Pump		
Pump Flow @ 2,400 rpm	133 L/min	35 gal/min
Operating Pressure – Equipment	265 bar	3,843 psi
Operating Pressure – Travel	265 bar	3,843 psi
Operating Pressure – Swing	200 bar	2,901 psi
Auxiliary Circuit – Primary		
Flow*	80 L/min	21 gal/min
Pressure*	265 bar	3,843 psi
Auxiliary Circuit – Secondary		
Flow*	28 L/min	7.0 gal/min
Pressure*	265 bar	3,843 psi
Digging Force – Stick (standard)	28.3 kN	6,362 lbf
Digging Force – Stick (long)	25.2 kN	5,665 lbf
Digging Force – Bucket	49.2 kN	11,061 lbf

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

Swing System

Machine Swing Speed	9.0 rpm
Boom Swing – Left	72 Degrees
Boom Swing – Right	50 Degrees

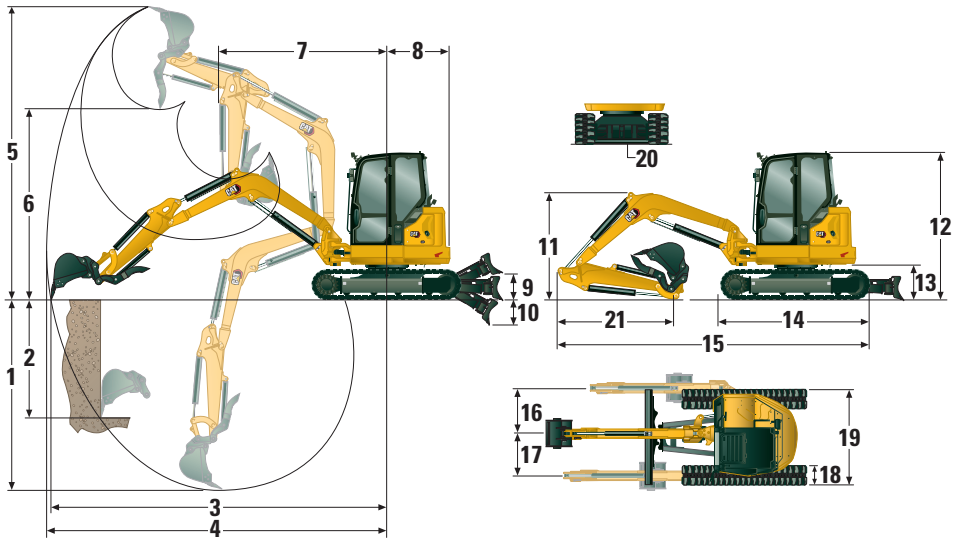
Blade

Width (Straight)	1980 mm	78.0 in
Height (Straight)	390 mm	15.4 in
Width (Angle)	1980 mm	78.0 in
Height (Angle)	400 mm	15.7 in
Angle Blade – Left	25 degrees	
Angle Blade – Right	25 degrees	

Certification – Cab and Canopy

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

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Dimensions

		Standard Stick	Long Stick
1	Dig Depth	3420 mm (134.6 in)	3670 mm (144.5 in)
2	Vertical Wall	2335 mm (91.9 in)	2560 mm (100.8 in)
3	Maximum Reach at Ground Level	5590 mm (220.1 in)	5835 mm (229.7 in)
4	Maximum Reach	5755 mm (226.6 in)	5990 mm (235.8 in)
5	Maximum Dig Height	5215 mm (205.3 in)	5355 mm (210.8 in)
6	Maximum Dump Clearance	3700 mm (145.7 in)	3845 mm (151.4 in)
7	Boom in Reach	2570 mm (101.2 in)	2580 mm (101.6 in)
8	Tail Swing		
	without Counterweight	1095 mm (43.1 in)	1095 mm (43.1 in)
	with Counterweight	1200 mm (47.2 in)	1200 mm (47.2 in)
9	Maximum Blade Height	400 mm (15.7 in)	400 mm (15.7 in)
10	Maximum Blade Depth	650 mm (25.6 in)	650 mm (25.6 in)
11	Boom Height in Shipping Position	1820 mm (71.7 in)	1895 mm (74.6 in)
12	Overall Shipping Height	2550 mm (100.4 in)	2550 mm (100.4 in)
13	Swing Bearing Height	619 mm (24.4 in)	619 mm (24.4 in)
14	Overall Undercarriage Length	2580 mm (101.6 in)	2580 mm (101.6 in)
15	Overall Shipping Length†	5305 mm (208.9 in)	5340 mm (210.2 in)
16	Boom Swing Right	865 mm (34.1 in)	865 mm (34.1 in)
17	Boom Swing Left	615 mm (24.2 in)	615 mm (24.2 in)
18	Track Belt/Shoe Width	400 mm (15.7 in)	400 mm (15.7 in)
19	Track Width	1980 mm (78.0 in)	1980 mm (78.0 in)
20	Ground Clearance	335 mm (13.2 in)	335 mm (13.2 in)
21	Stick Length	1351 mm (53.2 in)	1601 mm (63.0 in)

†Overall Shipping Length depends on blade position during shipment.

Cab

Lift Capacities – Minimum 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			m
Lift Point Height			Blade Down	Blade Up	Over Side	Blade Down	Blade Up	Over Side	Blade Down	Blade Up	Over Side	(ft)
4.5 m (14.8 ft)	Standard Stick	kg (lb)										
	Long Stick	kg (lb)							*949 (*2,093)	*949 (*2,093)	*949 (*2,093)	3.63 (11.9)
3 m (9.8 ft)	Standard Stick	kg (lb)				*1206 (*2,659)	908 (2,002)	721 (1,590)	*953 (*2,101)	*953 (*2,101)	707 (1,559)	4.55 (14.9)
	Long Stick	kg (lb)				*1249 (*2,754)	903 (1,991)	714 (1,574)	*778 (*1,715)	*778 (*1,715)	634 (1,398)	4.81 (15.8)
1.5 m (4.9 ft)	Standard Stick	kg (lb)	*2587 (*5,704)	1641 (3,618)	1257 (2,772)	*1615 (*3,561)	882 (1,945)	696 (1,535)	*975 (*2,150)	759 (1,674)	599 (1,321)	4.96 (16.3)
	Long Stick	kg (lb)	*2236 (*4,930)	1641 (3,618)	1255 (2,767)	*1508 (*3,325)	868 (1,914)	682 (1,504)	*794 (*1,751)	*794 (*1,751)	541 (1,193)	5.19 (17.0)
0 m (0 ft)	Standard Stick	kg (lb)	*3260 (*7,188)	1559 (3,438)	1183 (2,609)	*1825 (*4,024)	855 (1,885)	670 (1,477)	*1190 (*2,624)	787 (1,735)	619 (1,365)	4.77 (15.6)
	Long Stick	kg (lb)	*3193 (*7,041)	1534 (3,382)	1158 (2,553)	*1781 (*3,927)	833 (1,837)	648 (1,429)	*953 (*2,101)	711 (1,568)	555 (1,224)	5.02 (16.5)

Minimum Weight includes cab, rubber tracks, no counterweight, operator, full fuel tank and straight blade.

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			m
Lift Point Height			Blade Down	Blade Up	Over Side	Blade Down	Blade Up	Over Side	Blade Down	Blade Up	Over Side	(ft)
4.5 m (14.8 ft)	Standard Stick	kg (lb)										
	Long Stick	kg (lb)							*949 (*2,093)	*949 (*2,093)	*949 (*2,093)	3.63 (11.9)
3 m (9.8 ft)	Standard Stick	kg (lb)				*1206 (*2,659)	*1206 (*2,659)	911 (2,009)	*953 (*2,101)	*953 (*2,101)	*953 (*2,101)	4.55 (14.9)
	Long Stick	kg (lb)				*1249 (*2,754)	*1249 (*2,754)	904 (1,993)	*778 (*1,715)	*778 (*1,715)	*778 (*1,715)	4.81 (15.8)
1.5 m (4.9 ft)	Standard Stick	kg (lb)	*2587 (*5,704)	1953 (4,306)	1579 (3,482)	*1615 (*3,561)	1059 (2,335)	886 (1,954)	*975 (*2,150)	*975 (*2,150)	768 (1,693)	4.96 (16.3)
	Long Stick	kg (lb)	*2236 (*4,930)	1953 (4,306)	1577 (3,477)	*1508 (*3,325)	1045 (2,304)	872 (1,923)	*794 (*1,751)	*794 (*1,751)	*794 (*1,751)	5.19 (17.0)
0 m (0 ft)	Standard Stick	kg (lb)	*3260 (*7,188)	1871 (4,126)	1505 (3,319)	*1825 (*4,024)	1032 (2,276)	860 (1,896)	*1190 (*2,624)	951 (2,097)	795 (1,783)	4.77 (15.6)
	Long Stick	kg (lb)	*3193 (*7,041)	1847 (4,073)	1480 (3,263)	*1781 (*3,927)	1010 (2,227)	838 (1,848)	*953 (*2,101)	*953 (*2,101)	721 (1,590)	5.02 (16.5)

Maximum Weight includes cab, steel tracks with pads, counterweight, operator, full fuel tank and angle blade.

Canopy

Lift Capacities – Minimum 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			m
Lift Point Height			Blade Down	Blade Up	Over Side	Blade Down	Blade Up	Over Side	Blade Down	Blade Up	Over Side	(ft)
4.5 m (14.8 ft)	Standard Stick	kg (lb)										
	Long Stick	kg (lb)							*949 (*2,093)	*949 (*2,093)	*949 (*2,093)	3.63 (11.9)
3 m (9.8 ft)	Standard Stick	kg (lb)				*1206 (*2,659)	887 (1,956)	705 (1,555)	*953 (*2,101)	*953 (*2,101)	691 (1,524)	4.55 (14.9)
	Long Stick	kg (lb)				*1249 (*2,754)	881 (1,943)	698 (1,539)	*778 (*1,715)	*778 (*1,715)	619 (1,365)	4.81 (15.8)
1.5 m (4.9 ft)	Standard Stick	kg (lb)	*2587 (*5,704)	1603 (3,535)	1230 (2,712)	*1615 (*3,561)	861 (1,899)	680 (1,499)	*975 (*2,150)	740 (1,632)	585 (1,290)	4.96 (16.3)
	Long Stick	kg (lb)	*2236 (*4,930)	1603 (3,535)	1228 (2,708)	*1508 (*3,325)	847 (1,868)	665 (1,466)	*794 (*1,751)	672 (1,482)	528 (1,164)	5.19 (17.0)
0 m (0 ft)	Standard Stick	kg (lb)	*3260 (*7,188)	1521 (3,354)	1155 (2,547)	*1825 (*4,024)	833 (1,837)	654 (1,442)	*1190 (*2,624)	767 (1,691)	603 (1,330)	4.77 (15.6)
	Long Stick	kg (lb)	*3193 (*7,041)	1497 (3,301)	1131 (2,494)	*1781 (*3,927)	812 (1,790)	632 (1,394)	*953 (*2,101)	692 (1,526)	541 (1,193)	5.02 (16.5)

Minimum Weight includes canopy, rubber tracks, no counterweight, operator, full fuel tank and straight blade.

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			m
Lift Point Height			Blade Down	Blade Up	Over Side	Blade Down	Blade Up	Over Side	Blade Down	Blade Up	Over Side	(ft)
4.5 m (14.8 ft)	Standard Stick	kg (lb)										
	Long Stick	kg (lb)							*949 (*2,093)	*949 (*2,093)	*949 (*2,093)	3.63 (11.9)
3 m (9.8 ft)	Standard Stick	kg (lb)				*1206 (*2,659)	*1206 (*2,659)	895 (1,973)	*953 (*2,101)	*953 (*2,101)	*953 (*2,101)	4.55 (14.9)
	Long Stick	kg (lb)				*1249 (*2,754)	1059 (2,335)	888 (1,958)	*778 (*1,715)	*778 (*1,715)	*778 (*1,715)	4.81 (15.8)
1.5 m (4.9 ft)	Standard Stick	kg (lb)	*2587 (*5,704)	1915 (4,223)	1552 (3,422)	*1615 (*3,561)	1038 (2,289)	870 (1,918)	*975 (*2,150)	*975 (*2,150)	754 (1,663)	4.96 (16.3)
	Long Stick	kg (lb)	*2236 (*4,930)	1915 (4,223)	1550 (3,418)	*1508 (*3,325)	1024 (2,258)	855 (1,885)	*794 (*1,751)	*794 (*1,751)	*794 (*1,751)	5.19 (17.0)
0 m (0 ft)	Standard Stick	kg (lb)	*3260 (*7,188)	1833 (4,042)	1477 (3,257)	*1825 (*4,024)	1010 (2,227)	844 (1,861)	*1190 (*2,624)	931 (2,053)	780 (1,720)	4.77 (15.6)
	Long Stick	kg (lb)	*3193 (*7,041)	1809 (3,989)	1453 (3,204)	*1781 (*3,927)	989 (2,181)	822 (1,813)	*953 (*2,101)	*953 (*2,101)	707 (1,559)	5.02 (16.5)

Maximum Weight includes canopy, steel tracks with pads, counterweight, operator, full fuel tank and angle blade.

*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.

Standard and Optional Equipment *(continued)*

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

	Standard	Optional
ENGINE		
Cat® C1.7 Turbo Engine (EU Stage V)	✓	
Automatic Engine Idle	✓	
Automatic Engine Shutdown	✓	
Automatic Two Speed Travel	✓	
Fuel Water Separator	✓	
Power on Demand (not available in all regions)	✓	
Variable Displacement Piston Pump	✓	
Load Sensing/Flow Sharing Hydraulics	✓	
HYDRAULICS		
Smart Tech Electronic Pump	✓	
Accumulator	✓	
Automatic Swing Brake	✓	
Auxiliary Hydraulic Lines	✓	
One and Two Way Auxiliary Flow	✓	
Continuous Auxiliary Flow	✓	
Auxiliary Line Quick Disconnects	✓	
Third Auxiliary		✓
OPERATOR ENVIRONMENT		
Canopy or Cab (Canopy not available in some regions)	✓	
Cab with Air Conditioning		✓
Cab with Heater		✓
Stick Steer Mode	✓	
Travel Cruise Control	✓	
Control Pattern Changer (optional in some regions)	✓	
Adjustable Wrist Rests	✓	
Washable Floor Mat	✓	
Travel Pedals and Hand Levers	✓	
No Travel Pedals and Hand Levers (optional in some regions)		✓
Machine Security	✓	
Standard Key with Pass Code	✓	
Push to Start with Key Fob/Pass Code		✓
Fabric Suspension Seat (Cab only)	✓	
Vinyl Suspension Seat (Canopy only)	✓	
Hydraulic Lockout – All Controls	✓	
Retractable High Visibility Seat Belt (75 mm/3 in)	✓	
Seat Belt Reminder System		✓
Coat Hook	✓	
Cup Holder	✓	
Storage Pocket	✓	
Skylight	✓	
Mounting Bosses for Front	✓	
Signaling/Warning Horn	✓	
Interior Light (Cab only)	✓	
Boom Light, Halogen (not available in all regions)	✓	
LED Front and Rear Lights	✓	
LED Boom Light	✓	
Utility Space for Mobile Phone	✓	
Mirrors, Left, Right and Rear		✓
Camera		✓
Radio – Bluetooth®, Auxiliary, Microphone, USB (charging only) (Cab only)		✓
Cat Grade Advanced 2D		✓
Cat Grade 3D		✓
Next Generation Color LCD Monitor (IP66)	✓	
– Fuel Level and Coolant Temperature Gauges	✓	
– Maintenance and Machine Monitoring	✓	
– Performance and Machine Adjustments	✓	
– Numeric Security Code	✓	
– Multiple Languages	✓	
– Hour Meter with Wake Up Switch	✓	
– Jog Dial (cab only)	✓	

	Standard	Optional
OPERATOR ENVIRONMENT *(continued)*		
Next Generation Advanced Monitor		✓
– Touch Screen		✓
– Site Reference System		✓
– High Definition Camera Capable (IP68 and IP69K)		✓
– Numeric Security Code		✓
UNDERCARRIAGE		
Rubber Belt (400 mm/15.7 in)	✓	
Steel Track (400 mm/15.7 in)		✓
Steel Track with Rubber Pads		✓
Dozer Straight Blade	✓	
Dozer Blade Float	✓	
Angle Blade		✓
Tie Downs on Track Frame	✓	
BOOM, STICK AND LINKAGES		
One Piece Boom (2716 mm/106.9 in)	✓	
Standard Stick (1351 mm/53.2 in)	✓	
Long Stick (1601 mm/63.0 in)		✓
Front Shovel Capable	✓	
Pin-On	✓	
Dual Lock Manual Coupler		✓
Hydraulic Coupler		✓
Thumb Ready	✓	
Certified Lifting Eye	✓	
Attachments including Couplers, Thumbs, Buckets, Augers and Hammers		✓
2nd Auxiliary Hydraulic Lines		✓
Bucket Divert Lines		✓
Boom Lowering Check Valve		✓
Stick Lowering Check Valve		✓
Hydraulic Quick Coupler Lines		✓
ELECTRICAL		
12 Volt Battery	✓	
Software (machine and monitor)	✓	
Maintenance Free Battery	✓	
Lock Out/Tag Out Battery Disconnect	✓	
12 Volt Power Socket	✓	
Travel Alarm (optional in some regions)	✓	
GUARDING		
ROPS ISO 12117-2:2008	✓	
Top Guard ISO 10262:1998 (Level I)	✓	
Top Guard ISO 10262:1998 (Level II)		✓
Front Guard (Mesh) ISO 10262:1998 (Level I)		✓
Front Guard (Heavy Duty) ISO 10262:1998 (Level II)		✓
OTHER		
Eco Drain	✓	
Bio Oil Capable		✓
Water Jacket Heater		✓
Counterweight (242 kg/534 lb)		✓
Refueling Pump		✓
TECHNOLOGY (AVAILABILITY VARIES BY REGION)		
Ease of Use Indicate		✓
Ease of Use E-Fence		✓
Ease of Use Laser Catcher		✓
Cat Grade Advanced 2D		✓
Cat Grade 3D		✓
Product Link Elite™ (regulations apply)	✓	

305 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® C1.7 Turbo 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 (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.*

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf (Europe) (Global Warming Potential = 1430). See label or instruction manual for gas refrigerant identification. The system contains 0.75 kg (1.65 lb), 0.90 kg (1.98 lb) or 1.0 kg (2.20 lb) of refrigerant which has a CO_2 equivalent of 1.430 metric tonnes (1.576 tons) for R134a and 0.001 tonnes (0.001 tons) for R1234yf (Europe).

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 76 dB(A) (ISO 6396:2008)*

Exterior Sound Power Level 97 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.

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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AEHQ8394-05 (09-2025)
Replaces AEHQ8394-04
Build Number: 07A
(Europe, Turkey,
Australia/New Zealand)