

Cat®
303.5 CR

Mini Excavator

Features:

The Cat® 303.5 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 or a sealed and pressurized cab which can be equipped with air conditioning, adjustable wrist rests, and a suspension seat option 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.

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. The unique tilt up cab or canopy lets you reach additional service areas when needed.

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®

Specifications

Engine

Engine Model	Cat® C1.7	
Net Power		
ISO 9249, 80/1269/EEC	17.6 kW	23.6 hp
Engine Power		
ISO 14396	18.4 kW	24.7 hp
Bore	84.0 mm	3.3 in
Stroke	100.0 mm	3.9 in
Displacement	1.7 L	104.0 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 Canopy*	3480 kg	7,673 lb
Maximum Operating Weight with Canopy**	4050 kg	8,930 lb
Minimum Operating Weight with Cab*	3620 kg	7,982 lb
Maximum Operating Weight with Cab**	4190 kg	9,239 lb
EU: CE Plate Weight with Canopy***	3530 kg	7,784 lb
EU: CE Plate Weight with Cab***	3630 kg	8,004 lb

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

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

***CE Plate Weight is based on the most common EU configuration. Includes 75 kg (165 lb) operator and full fuel tank and excludes bucket.

Weight Increase from Minimum Configuration

Cab	140 kg	309 lb
Counterweight (light)	100 kg	221 lb
Counterweight (extra)	250 kg	551 lb
Long Stick	20 kg	44 lb
Steel Tracks	130 kg	287 lb
Angle Blade	160 kg	353 lb

Travel System

Travel Speed – High	4.5 km/h	2.8 mph
Travel Speed – Low	2.6 km/h	1.6 mph
Maximum Traction Force – High Speed	16.9 kN	3,799 lbf
Maximum Traction Force – Low Speed	31.0 kN	6,969 lbf
Ground Pressure – Minimum Weight	29.6 kPa	4.3 psi
Ground Pressure – Maximum Weight	35.7 kPa	5.2 psi
Gradeability (maximum)	30 degrees	

Service Refill Capacities

Cooling System	7.0 L	1.8 gal
Engine Oil	6.0 L	1.6 gal
Fuel Tank	45.0 L	11.9 gal
Hydraulic Tank	20.0 L	5.3 gal
Hydraulic System	45.0 L	11.9 gal

Hydraulic System

Load Sensing Hydraulics with Variable Displacement Piston Pump		
Pump Flow @ 2,400 rpm	100 L/min	26 gal/min
Operating Pressure – Equipment	245 bar	3,553 psi
Operating Pressure – Travel	245 bar	3,553 psi
Operating Pressure – Swing	181 bar	2,625 psi
Auxiliary Circuit – Primary		
Flow*	70 L/min	18 gal/min
Pressure*	245 bar	3,553 psi
Auxiliary Circuit – Secondary		
Flow*	25 L/min	7.0 gal/min
Pressure*	245 bar	3,553 psi
Digging Force – Stick (standard)	18.9 kN	4,249 lbf
Digging Force – Stick (long)	16.9 kN	3,799 lbf
Digging Force – Bucket	33.0 kN	7,419 lbf

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

Swing System

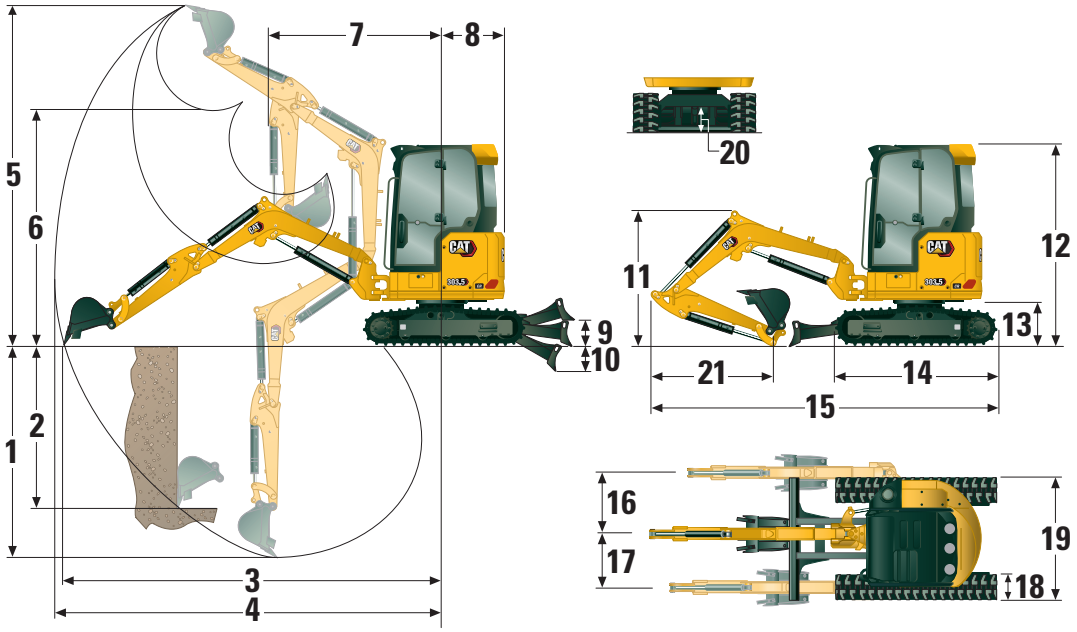
Machine Swing Speed	9.0 rpm
Boom Swing – Left	75 Degrees
Boom Swing – Right	50 Degrees

Blade

Width	1780 mm	70.1 in
Height	350 mm	13.8 in

Certification – Cab and Canopy

Roll Over Protective Structure (ROPS)	ISO 12117-2:2008
Tip Over Protective Structure (TOPS)	ISO 12117:1997
Top Guard	ISO 10262:1998 (Level I)



Dimensions

		Standard Stick	Long Stick
1	Dig Depth	2810 mm (110.6 in)	3110 mm (122.4 in)
2	Vertical Wall	2250 mm (88.6 in)	2390 mm (94.1 in)
3	Maximum Reach at Ground Level	5130 mm (202.0 in)	5380 mm (211.8 in)
4	Maximum Reach	5270 mm (207.5 in)	5510 mm (216.9 in)
5	Maximum Dig Height	4920 mm (193.7 in)	5020 mm (197.6 in)
6	Maximum Dump Clearance	3490 mm (137.4 in)	3600 mm (141.7 in)
7	Boom in Reach	1760 mm (69.3 in)	1860 mm (73.2 in)
8	Tail Swing		
	without Counterweight	890 mm (35.0 in)	890 mm (35.0 in)
	with Counterweight (light)	960 mm (37.8 in)	960 mm (37.8 in)
	with Counterweight (extra)	1005 mm (39.6 in)	1005 mm (39.6 in)
9	Maximum Blade Height	385 mm (15.2 in)	385 mm (15.2 in)
10	Maximum Blade Depth	535 mm (21.1 in)	535 mm (21.1 in)
11	Boom Height in Shipping Position	1520 mm (59.8 in)	1750 mm (68.9 in)
12	Overall Shipping Height	2480 mm (97.6 in)	2480 mm (97.6 in)
13	Swing Bearing Height	565 mm (22.2 in)	565 mm (22.2 in)
14	Overall Undercarriage Length	2220 mm (87.4 in)	2220 mm (87.4 in)
15	Overall Shipping Length†	4800 mm (189.0 in)	4850 mm (190.9 in)
16	Boom Swing Right	870 mm (34.3 in)	870 mm (34.3 in)
17	Boom Swing Left	640 mm (25.2 in)	640 mm (25.2 in)
18	Track Belt/Shoe Width	300 mm (11.8 in)	300 mm (11.8 in)
19	Track Width	1780 mm (70.1 in)	1780 mm (70.1 in)
20	Ground Clearance	310 mm (12.2 in)	310 mm (12.2 in)
21	Stick Length	1260 mm (49.6 in)	1560 mm (61.4 in)

†Overall Shipping Length depends on blade position during shipment.

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Cab

Lift Capacities – Minimum Configuration			Lift Point Radius – 2 m (6.6 ft)			Lift Point Radius – 3 m (9.8 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)
3 m (9.8 ft)	Standard Stick	kg (lb)				*917 (*2,022)	*917 (*2,022)	904 (1,993)	*835 (*1,841)	583 (1,285)	575 (1,268)	3.95 (13.0)
	Long Stick	kg (lb)							*758 (*1,671)	514 (1,133)	507 (1,118)	4.26 (14.0)
2 m (6.6 ft)	Standard Stick	kg (lb)				*1176 (*2,593)	888 (1,958)	867 (1,911)	*809 (*1,784)	483 (1,065)	478 (1,054)	4.41 (14.5)
	Long Stick	kg (lb)				*1033 (*2,377)	892 (1,967)	870 (1,918)	*750 (*1,653)	435 (959)	430 (948)	4.67 (15.3)
1 m (3.3 ft)	Standard Stick	kg (lb)				*1547 (*3,411)	833 (1,836)	813 (1,792)	*860 (*1,896)	454 (1,001)	449 (990)	4.54 (14.9)
	Long Stick	kg (lb)				*1462 (*3,223)	831 (1,832)	811 (1,788)	*805 (*1,775)	410 (904)	406 (895)	4.79 (15.7)
0 m (0 ft)	Standard Stick	kg (lb)				*1676 (*3,695)	805 (1,775)	786 (1,733)	*947 (*2,088)	472 (1,041)	466 (1,027)	4.39 (14.4)
	Long Stick	kg (lb)	*1345 (*2,965)	*1345 (*2,965)	*1345 (*2,965)	*1696 (*3,739)	793 (1,748)	774 (1,706)	*907 (*2,000)	424 (935)	420 (926)	4.63 (15.2)

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

Lift Capacities – Maximum Configuration			Lift Point Radius – 2 m (6.6 ft)			Lift Point Radius – 3 m (9.8 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)
3 m (9.8 ft)	Standard Stick	kg (lb)				*917 (*2,022)	*917 (*2,022)	*917 (*2,022)	*835 (*1,841)	720 (1,587)	663 (1,462)	3.95 (13.0)
	Long Stick	kg (lb)							*758 (*1,671)	638 (1,407)	588 (1,296)	4.26 (14.0)
2 m (6.6 ft)	Standard Stick	kg (lb)				*1176 (*2,593)	1086 (2,394)	988 (2,178)	*809 (*1,784)	602 (1,327)	556 (1,226)	4.41 (14.5)
	Long Stick	kg (lb)				*1033 (*2,377)	*1033 (*2,377)	992 (2,187)	*750 (*1,653)	546 (1,204)	504 (1,111)	4.67 (15.3)
1 m (3.3 ft)	Standard Stick	kg (lb)				*1547 (*3,411)	1031 (2,273)	936 (2,064)	*860 (*1,896)	568 (1,252)	524 (1,155)	4.54 (14.9)
	Long Stick	kg (lb)				*1462 (*3,223)	1029 (2,269)	933 (2,057)	*805 (*1,775)	518 (1,142)	477 (1,052)	4.79 (15.7)
0 m (0 ft)	Standard Stick	kg (lb)				*1676 (*3,695)	1003 (2,211)	909 (2,004)	*947 (*2,088)	591 (1,303)	545 (1,202)	4.39 (14.4)
	Long Stick	kg (lb)	*1345 (*2,965)	*1345 (*2,965)	*1345 (*2,965)	*1696 (*3,739)	991 (2,185)	897 (1,978)	*907 (*2,000)	536 (1,182)	494 (1,089)	4.63 (15.2)

Maximum Weight includes cab, steel tracks, extra counterweight, operator, full fuel tank and blade.

Canopy

Lift Capacities – Minimum Configuration			Lift Point Radius – 2 m (6.6 ft)			Lift Point Radius – 3 m (9.8 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)
3 m (9.8 ft)	Standard Stick	kg (lb)				*917 (*2,022)	884 (1,949)	866 (1,909)	*835 (*1,841)	555 (1,224)	549 (1,210)	3.95 (13.0)
	Long Stick	kg (lb)							*764 (*1,684)	490 (1,080)	485 (1,069)	4.26 (14.0)
2 m (6.6 ft)	Standard Stick	kg (lb)				*1176 (*2,593)	846 (1,865)	829 (1,828)	*809 (*1,784)	458 (1,010)	455 (1,003)	4.41 (14.5)
	Long Stick	kg (lb)				*1034 (*2,280)	851 (1,876)	834 (1,839)	*755 (*1,664)	413 (911)	411 (906)	4.67 (15.3)
1 m (3.3 ft)	Standard Stick	kg (lb)				*1547 (*3,411)	791 (1,744)	776 (1,711)	*860 (*1,896)	429 (946)	427 (941)	4.54 (14.9)
	Long Stick	kg (lb)				*1461 (*3,221)	788 (1,737)	772 (1,702)	*809 (*1,784)	389 (858)	387 (853)	4.79 (15.7)
0 m (0 ft)	Standard Stick	kg (lb)				*1676 (*3,695)	763 (1,682)	749 (1,651)	*947 (*2,088)	446 (983)	443 (977)	4.39 (14.4)
	Long Stick	kg (lb)	*1351 (*2,978)	*1351 (*2,978)	*1351 (*2,978)	*1694 (*3,735)	749 (1,651)	735 (1,620)	*908 (*2,002)	402 (886)	399 (880)	4.63 (15.2)

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

Lift Capacities – Maximum Configuration			Lift Point Radius – 2 m (6.6 ft)			Lift Point Radius – 3 m (9.8 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)
3 m (9.8 ft)	Standard Stick	kg (lb)				*917 (*2,022)	*917 (*2,022)	*917 (*2,022)	*835 (*1,841)	691 (1,523)	639 (1,409)	3.95 (13.0)
	Long Stick	kg (lb)							*758 (*1,671)	612 (1,349)	566 (1,248)	4.26 (14.0)
2 m (6.6 ft)	Standard Stick	kg (lb)				*1176 (*2,593)	1044 (2,302)	953 (2,101)	*809 (*1,784)	577 (1,272)	534 (1,177)	4.41 (14.5)
	Long Stick	kg (lb)				*1033 (*2,277)	*1033 (*2,277)	956 (2,108)	*750 (*1,653)	523 (1,153)	483 (1,065)	4.67 (15.3)
1 m (3.3 ft)	Standard Stick	kg (lb)				*1547 (*3,411)	989 (2,180)	901 (1,986)	*860 (*1,896)	544 (1,199)	504 (1,111)	4.54 (14.9)
	Long Stick	kg (lb)				*1462 (*3,223)	987 (2,176)	898 (1,980)	*805 (*1,775)	495 (1,091)	458 (1,010)	4.79 (15.7)
0 m (0 ft)	Standard Stick	kg (lb)				*1676 (*3,695)	961 (2,199)	874 (1,927)	*947 (*2,088)	566 (1,248)	523 (1,153)	4.39 (14.4)
	Long Stick	kg (lb)	*1345 (*2,965)	*1345 (*2,965)	*1345 (*2,965)	*1696 (*3,739)	949 (2,092)	862 (1,900)	*907 (*2,000)	513 (1,131)	473 (1,043)	4.63 (15.2)

Maximum Weight includes canopy, steel tracks, extra counterweight, operator, full fuel tank and 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. Lifting capacities are for standard stick.

Standard and Optional Equipment

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

	Standard	Optional
ENGINE		
Cat C1.7 NA Engine (U.S. EPA Tier 4 Final/ 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	✓	
OPERATOR ENVIRONMENT		
Tilt-up Canopy or Tilt-Up Cab	✓	
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)	✓	
Vinyl Non-Suspension Seat (Canopy only) (not available in all regions)		✓
Hydraulic Lockout – All Controls	✓	
Retractable High Visibility Seat Belt (75 mm/3 in)	✓	
Seat Belt Reminder System		✓
Coat Hook	✓	
Cup Holder	✓	
Storage Pocket	✓	
Skylight	✓	

	Standard	Optional
OPERATOR ENVIRONMENT *(continued)*		
Mounting Bosses for Front	✓	
Signaling/Warning Horn	✓	
Interior Light (Cab only)	✓	
Boom Light, Halogen (not available in all regions)	✓	
LED Front Lights		✓
LED Front and Rear Lights		✓
LED Boom Light		✓
Utility Space for Mobile Phone	✓	
Mirrors Left and Right		✓
Camera		✓
Radio – Bluetooth®, Auxiliary, Microphone, USB (charging only) (Cab only)		✓
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)		
Next Generation Advanced Monitor		✓
– Touch Screen		
– Site Reference System		
– High Definition Camera Capable (IP68 and IP69K)		
– Numeric Security Code		
Cat Grade Advanced 2D (Cab Only)		✓
Cat Grade 3D (Cab Only)		✓
UNDERCARRIAGE		
Rubber Belt (300 mm/11.8 in wide)	✓	
Steel Track (300 mm/11.8 in wide)		✓
Dozer Blade	✓	
Dozer Blade Float	✓	
Angle Blade		✓
Tie Downs on Track Frame	✓	

(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 (2400 mm/94.5 in)	✓	
Standard Stick (1260 mm/49.6 in)	✓	
Long Stick (1560 mm/61.4 in)		✓
Front Shovel Capable	✓	
Pin-On	✓	
Dual Lock Manual Coupler		✓
Hydraulic Coupler		✓
Thumb Ready (not available in all regions)	✓	
Certified Lifting Eye (optional in some regions)	✓	
Attachments including Couplers, Thumbs, Buckets, Augers and Hammers		✓
2nd Auxiliary Hydraulic Lines		✓
Bucket Divert Lines		✓
Boom Lowering Control Valve (Standard in Europe)		✓
Stick Lowering Control Valve (Standard in Europe)		✓
Hydraulic Quick Coupler Lines (not available in all regions)		✓

	Standard	Optional
ELECTRICAL		
12 Volt Battery	✓	
Software (machine and monitor)	✓	
Maintenance Free Battery	✓	
Lock Out/Tag Out Battery Disconnect	✓	
Signaling/Warning Horn	✓	
12 Volt Power Socket	✓	
Product Link™ PL243 (regulations apply)		✓
Product Link PLE643 (regulations apply)		✓
Travel Alarm (standard in some regions)		✓
GUARDING		
Roll Over Protective Structure (ROPS) ISO 12117-2:2008	✓	
Tip Over Protective Structure (TOPS) ISO 12117:1997	✓	
Top Guard ISO 10262:1998 (Level I)	✓	
Polycarbonate Half Height Front Guard (Canopy only)		✓
Polycarbonate Front Guard ISO 10262 1998 Level I and EN356 P5A		✓
OTHER		
Bio Oil Capable		✓
Eco Drain		✓
Water Jacket Heater		✓
Light Counterweight (100 kg/221 lb)		✓
Extra Counterweight (250 kg/551 lb)		✓

303.5 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 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

- 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* 78 dB(A) (ISO 6396:2008)

Exterior Sound Power Level** 94 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)
  - Cat Grade with 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	65.26%
Iron	13.07%
Rubber	8.59%
Other	3.04%
Nonferrous Metal	2.93%
Plastic	2.67%
Fluid	2.35%
Uncategorized	0.85%
Mixed-Metal and Nonmetal	0.68%
Mixed-Metal	0.54%
Mixed-Nonmetallic	0.02%
Total	100%

- 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 16714:2008 (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 16714:2008 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 – 95%

- 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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