

**320 GC** Hydraulic Excavator

# **Technical Specifications**

Configurations and features may vary by region. Please consult your Cat® dealer for availability in your area.

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# **320 GC Hydraulic Excavator Specifications**

Engine		
Engine Model	Cat® C4.4	
Net Power		
ISO 9249	109.1 kW	146 hp
ISO 9249 (DIN)	148 hp (met	ric)
Engine Power		
ISO 14396	110 kW	148 hp
ISO 14396 (DIN)	150 hp (met	ric)
Bore	105 mm	4 in
Stroke	127 mm	5 in
Displacement	4.4 L	269 in <sup>3</sup>
Biodiesel capability	Up to B20(1)	)

• The 320 GC meets China Nonroad Stage IV emission standards.

- Recommended for use up to 4500 m (14,764 ft) altitude with engine power derate above 3000 m (9,842.5 ft).
- 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 equipped with fan, air intake system, exhaust system and alternator.
- Engine speed at 2,000 rpm.
- <sup>(1)</sup>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.

# **Swing Mechanism**

Swing Speed	11.3 rpm	
Maximum Swing Torque	74.4 kN·m	54,900 lbf-ft

## Weights

Operating V	Weight			20 500 kg	45,200 lb	-
Operating	weight			20 500 kg	45,200 10	
3.6.1	1	D	1 1	0 ·· · 1 D		

• Medium undercarriage, Reach boom, Optimized R2.9 (9'6") stick, GD 1.0 m<sup>3</sup> (1.31 yd<sup>3</sup>) bucket, 600 mm (24") triple grouser shoes and 3700 kg (8,200 lb) counterweight.

## Track

Standard Track Shoes Width	600 mm	24 in
Optional Track Shoes	790 mm	31 in
Number of Shoes (each side)	47	
Number of Track Rollers (each side)	7	
Number of Comies Dellars (each side)	2	

Number of Carrier Rollers (each side) 2

# Drive

-		
Gradeability	35°/70%	
Maximum Travel Speed	5.7 km/h	3.5 mph
Maximum Drawbar Pull	206 kN	46,311 lbf

#### Hydraulic System

Main System – Maximum Flow – Implement	429 L/min (215 ×	113 gal/min (57 ×
	2 pumps)	2 pumps)
Maximum Pressure – Equipment	35 000 kPa	5,075 psi
Maximum Pressure – Travel	34 300 kPa	4,974 psi
Maximum Pressure – Swing	25 000 kPa	3,625 psi
Boom Cylinder – Bore	120 mm	5 in
Boom Cylinder – Stroke	1260 mm	50 in
Stick Cylinder – Bore	135 mm	5 in
Stick Cylinder – Stroke	1504 mm	59 in
Bucket Cylinder – Bore	115 mm	5 in
Bucket Cylinder – Stroke	1104 mm	43 in

## **Service Refill Capacities**

Fuel Tank Capacity	345 L	91.1 gal
Cooling System	25 L	6.6 gal
Engine Oil	15 L	4.0 gal
Swing Drive (each)	12 L	3.2 gal
Final Drive (each)	4 L	1.1 gal
Hydraulic System (including tank)	234 L	61.8 gal
Hydraulic Tank	115 L	30.4 gal

#### **Standards**

Brakes	ISO 10265: 2008
Cab/ROPS	ISO 12117-2: 2008
FOGS (optional)	ISO 10262:1998 Level II

#### **Sound Performance**

ISO 6395:2008 (external)	100 dB(A)
ISO 6396:2008 (inside cab)	70 dB(A)

• Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/ windows open) for extended periods or in a noisy environment.

# **Operating Weight and Ground Pressure**

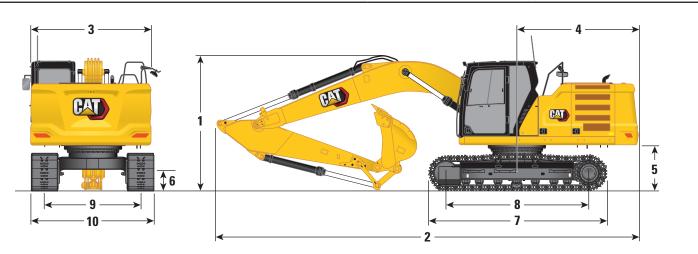
	600 mm ( Triple Grouse		790 mm (31") Triple Grouser Shoes	
Base Machine Configurations	Weight kg (lb)	Ground Pressure kPa (psi)	Weight kg (lb)	Ground Pressure kPa (psi)
Base Frame with Track Rollers and Carrier Rollers				
3700 kg (8,200 lb) Counterweight + Medium Undercarriage Base Machine				
Reach Boom + Optimized R2.9 (9'6") Stick + 1.0 m <sup>3</sup> (1.31 yd <sup>3</sup> ) GD Bucket	20 500 (45,200)	47.2 (6.8)	21 300 (47,000)	49.1 (7.1)

# **Major Component Weights**

	kg	lb
Base Machine (with 3700 kg [8,200 lb] counterweight, standard swing frame, standard base frame with track rollers and standard carrier rollers for medium undercarriage, without boom cylinder – does not include 90% fuel and 75 kg [165 lb] operator)	13 890	30,600
Track Shoes:		
600 mm (24") Width, 8.5 mm (0.33") Thick, Triple Grouser Track Shoes	2500	5,500
790 mm (31") Width, 10 mm (0.39") Thick, Triple Grouser Track Shoes with Step Extension	3220	7,100
Two Boom Cylinders	340	750
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	310	680
Counterweight:		
3700 kg (8,200 lb) Counterweight	3700	8,200
Swing Frame:		-
Standard Swing Frame	1910	4,150
Undercarriage:		
Standard Base Frame with HD Track Rollers and Standard Carrier Rollers	4140	9,100
Boom (including lines, pins, stick cylinder):		
Reach Boom 5.7 m (18'8")	1690	3,700
Stick (including lines, pins, bucket cylinder, bucket linkage):		
Optimized Reach Stick R2.9B1 (9'6")	1080	2,400
Buckets (without linkage):		
1.0 m <sup>3</sup> (1.31 yd <sup>3</sup> ) GD	730	1,600
1.0 m <sup>3</sup> (1.31 yd <sup>3</sup> ) HD	860	1,870

## Dimensions

All dimensions are approximate and may vary depending on bucket selection.

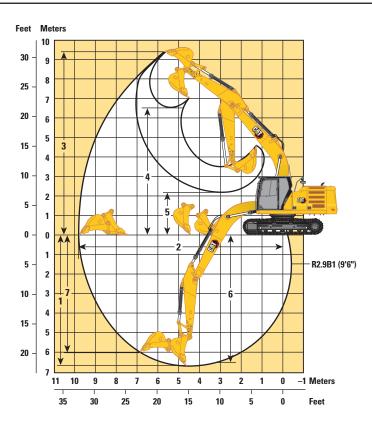


Boom Option		Reach Boom 5.7 m (18'8")			
Stick Option	Reach a Reach a R2.9B1				
1 Machine Height:					
Top of Cab Height	2960 mm	9'9"			

Top of euc Height		
Top of FOGS Height	3100 mm	10'2"
Handrail Height	2950 mm	9'8"
With Boom/Stick/Bucket Installed	3160 mm	10'4"
With Boom/Stick Installed	2910 mm	9'7"
With Boom Installed	2480 mm	8'2"
2 Machine Length:		
With Boom/Stick/Bucket Installed	9530 mm	31'3"
With Boom/Stick Installed	9500 mm	31'2"
With Boom Installed	8450 mm	27'9"
<b>3</b> Upperframe Width	2780 mm	9'1"
4 Tail Swing Radius	2830 mm	9'3"
5 Counterweight Clearance	1050 mm	3'5"
6 Ground Clearance	470 mm	1'7"
7 Track Length	4250 mm	13'11"
8 Length to Center of Rollers	3450 mm	11'4"
9 Track Gauge	2380 mm	7'10"
10 Undercarriage Width:		
600 mm (24") Shoes	2980 mm	9'9"
790 mm (31") Shoes	3170 mm	10'5"
Bucket Type	GI	)
Bucket Capacity	1.00 m <sup>3</sup>	1.31 yd <sup>3</sup>
Bucket Tip Radius	1560 mm	5'1"

# **Working Ranges**

All dimensions are approximate and may vary depending on bucket selection.



Boom Option	Reach 5.7 m	Boom (18'8")	
Stick Option	Reach R2.9B	) Stick I (9'6")	
1 Maximum Digging Depth	6630 mm	21'9"	
2 Maximum Reach at Ground Line	9770 mm	32'0"	
3 Maximum Cutting Height	9440 mm	30'11"	
4 Maximum Loading Height	6580 mm	21'7"	
5 Minimum Loading Height	2260 mm	7'5	
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6460 mm	21'2"	
7 Maximum Vertical Wall Digging Depth	6010 mm	19'8"	
Bucket Digging Force (ISO)	129 kN	29,007 lbf	
Stick Digging Force (ISO)	99 kN	22,301 lbf	
Bucket Type	G	GD	
Bucket Capacity	1.0 m <sup>3</sup>	1.31 yd <sup>3</sup>	
Bucket Tip Radius	1560 mm	5'1"	

# **Bucket Specifications and Compatibility**

		Wi	dth	Capa	acity	We	ight	Fill	Reach Boom
	Linkage	mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb	%	R2.9 (9'6")
Pin-On (No Quick Coupler)									
Utility Duty	В	1150	46	0.90	1.18	725	1,599	100	•
	В	1250	50	1.00	1.31	758	1,672	100	
General Duty Excavation	В	1150	46	0.90	1.18	758	1,671	100	
	В	1250	50	1.00	1.31	792	1,747	100	۲
	В	1400	56	1.14	1.49	858	1,891	100	θ
Heavy Duty	В	1050	43	1.00	1.31	884	1,948	100	۲
	В	1200	49	1.19	1.56	955	2,105	100	θ
	В	1350	54	1.38	1.81	1018	2,244	100	0
Severe Duty	В	1100	43	1.00	1.31	965	2,128	90	
	В	1250	49	1.19	1.56	1063	2,343	90	θ
Maximum load with pin-on (payload + bucket)						kg	2764		
			N	laximum loa	ad with pin-	on (payload	i + buckel)	ĸy	2704
			N	laximum loa	ad with pin-	011 (payload	1 + DUCKEL)	lb	6,094
		Wi		,	ad with pin-		ight		
	Linkage	Wi		,				lb	6,094
With Cat Pin Grabber Coupler	Linkage		dth	Capa	acity	We	ight	lb Fill	6,094 <b>Reach Boom</b>
I	Linkage		dth	Capa	acity	We	ight	lb Fill	6,094 <b>Reach Boom</b>
I		mm	<b>dth</b> in	Capa m <sup>3</sup>	acity yd³	kg	ight Ib	lb Fill %	6,094 <b>Reach Boom</b> R2.9 (9'6")
<b>With Cat Pin Grabber Coupler</b> Jtility Duty General Duty Excavation	В	mm 1150	dth in 46	<b>Capa</b> m <sup>3</sup>	acity yd <sup>3</sup>	<b>We</b> kg 725	<b>ight</b> Ib 1,599	lb Fill %	6,094 <b>Reach Boom</b> R2.9 (9'6") ©
Jtility Duty	B	mm 1150 1250	<b>dth</b> in 46 50	<b>Capa</b> m <sup>3</sup> 0.90 1.00	acity yd <sup>3</sup> 1.18 1.31	We kg 725 758	ight Ib 1,599 1,672	Ib           Fill           %           100           100	6,094 <b>Reach Boom</b> R2.9 (9'6") ● ⊖
Jtility Duty	B B B	mm 1150 1250 1150	<b>dth</b> in 46 50 46	Capa m <sup>3</sup> 0.90 1.00 0.90	acity yd <sup>3</sup> 1.18 1.31 1.18	We kg 725 758 758	ight Ib 1,599 1,672 1,671	Ib           Fill           %           100           100           100	6,094 <b>Reach Boom</b> R2.9 (9'6") ● ⊖ ● ●
Jtility Duty	B B B B B	mm 1150 1250 1150 1250	dth in 46 50 46 50	Capa m <sup>3</sup> 0.90 1.00 0.90 1.00	acity yd <sup>3</sup> 1.18 1.31 1.18 1.31	We kg 725 758 758 758 792	ight Ib 1,599 1,672 1,671 1,747	Ib           Fill           %           100           100           100           100           100	6,094 <b>Reach Boom</b> R2.9 (9'6") ● ← ● ● ● ● ● ● ● ● ● ● ● ● ●
General Duty Excavation	B B B B B B B	mm 1150 1250 1150 1250 1400	dth in 46 50 46 50 56	Capa m <sup>3</sup> 0.90 1.00 0.90 1.00 1.14	acity yd <sup>3</sup> 1.18 1.31 1.18 1.31 1.31 1.49	We kg 725 758 758 758 792 858	ight   b    1,599   1,672   1,671   1,747   1,891	Ib           Fill           %           100           100           100           100           100           100           100           100	6,094 <b>Reach Boom</b> R2.9 (9'6") ● ● ● ● ● ● ● ● ● ● ● ● ●
General Duty Excavation	B B B B B B B B	mm 1150 1250 1150 1250 1400 1050	dth in 46 50 46 50 56 43	Capa m <sup>3</sup> 0.90 1.00 0.90 1.00 1.14 1.00	acity yd <sup>3</sup> 1.18 1.31 1.18 1.31 1.49 1.31	We kg 725 758 758 758 792 858 884	ight Ib 1,599 1,672 1,671 1,747 1,891 1,948	Ib           Fill           %           100           100           100           100           100           100           100           100           100           100           100           100           100	6,094 <b>Reach Boom</b> R2.9 (9'6") ● ● ● ● ● ● ○ ● ● ● ● ● ● ● ● ● ● ● ● ●
Jtility Duty General Duty Excavation Heavy Duty	B B B B B B B B B	mm 1150 1250 1150 1250 1400 1050 1200	dth in 46 50 46 50 56 43 49	Capa m <sup>3</sup> 0.90 1.00 0.90 1.00 1.14 1.00 1.19	acity yd <sup>3</sup> 1.18 1.31 1.18 1.31 1.49 1.31 1.56	We kg 725 758 758 758 792 858 884 955	ight Ib 1,599 1,672 1,671 1,747 1,891 1,948 2,105	Ib           Ib           Fill           %           100           100           100           100           100           100           100           100           100           100           100           100           100           100           100           100	6,094 <b>Reach Boom</b> R2.9 (9'6") ● ● ● ● ● ● ● ● ● ● ● ● ●
Utility Duty General Duty Excavation Heavy Duty	B B B B B B B B B B B	mm 1150 1250 1150 1250 1400 1050 1200 1350	dth in 46 50 46 50 56 43 49 54	Capa m <sup>3</sup> 0.90 1.00 0.90 1.00 1.14 1.00 1.19 1.38	acity yd <sup>3</sup> 1.18 1.31 1.18 1.31 1.49 1.31 1.56 1.81	We kg 725 758 758 758 792 858 884 955 1018	ight Ib 1,599 1,672 1,671 1,747 1,891 1,948 2,105 2,244	Ib           Fill           %           100           100           100           100           100           100           100           100           100           100           100           100           100           100           100           100           100           100	6,094 <b>Reach Boom</b> R2.9 (9'6")
General Duty Excavation	B B B B B B B B B B B B B B B	mm 1150 1250 1150 1250 1400 1050 1200 1350 1100	in           46           50           46           50           46           50           43           49           54           43           49	Capa m <sup>3</sup> 0.90 1.00 0.90 1.00 1.14 1.00 1.19 1.38 1.00	acity yd <sup>3</sup> 1.18 1.31 1.18 1.31 1.49 1.31 1.56 1.81 1.31 1.56	We kg 725 758 758 792 858 884 955 1018 965 1063	ight Ib 1,599 1,672 1,671 1,747 1,891 1,948 2,105 2,244 2,128 2,343	Ib           Fill           %           100           100           100           100           100           100           100           100           100           100           100           100           100           100           100           90	6,094 <b>Reach Boom</b> R2.9 (9'6")

The above loads are in compliance with hydraulic excavator standard EN474-5:2006 + A3:2013, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451.

Bucket weight with General Duty tips.

**Maximum Material Density:** 

2100 kg/m<sup>3</sup> (3,500 lb/yd<sup>3</sup>)

1800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)

⊖ 1500 kg/m³ (2,500 lb/yd³)

O 1200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)

◇ 900 kg/m³ (1,500 lb/yd³)

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

# **Attachments Offering Guide**

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.

✓ Match

Boom Type		Reach
Stick Length		R2.9 (9'6")
Hydraulic Hammers	H115 S	√
	H120 GC	√
	H120 GC Side Mount	√
	H120 GC S	$\checkmark$
	H120 S	$\checkmark$
	H130 GC	$\checkmark$
	H130 GC S	$\checkmark$
	H130 S	$\checkmark$
	H140 Side Mount	$\checkmark$
Compactors (Vibratory Plate)	CVP110	√

# **Standard and Optional Equipment**

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

	Standard	Optional
BOOM, STICKS AND LINKAGES		
5.7 m (18'8") Reach boom	$\checkmark$	
2.9 m (9'6") Optimized Reach stick	$\checkmark$	
Bucket linkage, B1-family	$\checkmark$	
with or without lifting eye	_	
CAB	,	
ROPS	<b>√</b>	
High-resolution 203 mm (8") LCD touchscreen monitor	$\checkmark$	
Auto bi-level air conditioner	$\checkmark$	
Keyless push-to-start engine control	$\checkmark$	
Height-adjustable console, three steps with tool	$\checkmark$	
Fixed left-side console	$\checkmark$	
Mechanical-suspension seat	$\checkmark$	
51 mm (2") seat belt	$\checkmark$	
Console mounted radio (with Bluetooth <sup>®</sup> pairing and USB port)	$\checkmark$	
24V DC outlet	$\checkmark$	
Document storage	$\checkmark$	
Coat hook	$\checkmark$	
Cup and bottle holders	$\checkmark$	
Openable two-piece front window	$\checkmark$	
Rear window emergency exit	$\checkmark$	
Upper radial wiper with washer	$\checkmark$	
Openable steel hatch	$\checkmark$	
LED dome light	$\checkmark$	
Roller front sunscreen	$\checkmark$	
Roller rear sunscreen		$\checkmark$
Washable floor mat	$\checkmark$	
Beacon ready	✓	
Cat Stick Steer		$\checkmark$
CAT TECHNOLOGY		
Cat Product Link <sup>™</sup>	$\checkmark$	
Auto hammer stop	$\checkmark$	

	Standard	Optional
ELECTRICAL SYSTEM		
1,000 CCA maintenance-free batteries (×2)	✓	
Centralized electrical disconnect switch	$\checkmark$	
Programmable time-delay LED working lights	✓	
LED chassis light and LH boom light	$\checkmark$	
RH boom light, cab lights		$\checkmark$
ENGINE		
Cat <sup>®</sup> C4.4 single turbo diesel engine	$\checkmark$	
Two selectable power modes	$\checkmark$	
Automatic engine speed control	$\checkmark$	
Auto engine idle shutdown	$\checkmark$	
Work up to 3000 m (9,842.5 ft) above sea level without engine power de-rating	√	
52° C (125° F) high-ambient cooling capacity	√	
Cold starting capability for -32° C (-25° F)	√	
Double element air filter with integrated pre-cleaner	√	
Electric fuel priming pump	√	
Electric cooling fans with auto-reverse function	~	

(continued on next page)

# **Standard and Optional Equipment** (continued)

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

	Standard	Optional		Standard	Optional
HYDRAULIC SYSTEM			SERVICE AND MAINTENANCE		
Boom and stick regeneration circuits	√		Scheduled Oil Sampling (S·O·S <sup>SM</sup> ) ports	$\checkmark$	
Electronic main control valve	$\checkmark$		Grouped location for engine oil	$\checkmark$	
Auto warm up	√		and fuel filters		
Auto two-speed travel	$\checkmark$		Ground-level second dipstick for engine oil	$\checkmark$	
Boom and stick drift reduction valve	$\checkmark$		Side entry to service platform	$\checkmark$	
Element type main hydraulic filter	✓		UNDERCARRIAGE AND STRUCTURES		
Three button joysticks	$\checkmark$		600 mm (24") triple grouser track shoes	$\checkmark$	
Tandem type electronic main pump	$\checkmark$		790 mm (31") triple grouser track shoes		~
Basic Tool Control (one pump, one way		$\checkmark$	Grease lubricated track links	$\checkmark$	
high-pressure flow)			Medium undercarriage	$\checkmark$	
SAFETY AND SECURITY			Tie-down points on base frame	$\checkmark$	
Rearview camera and side RH mirror	$\checkmark$		Bottom guards	$\checkmark$	
Right-hand-sideview camera		$\checkmark$	Travel motor guards	$\checkmark$	
Neutral lever (lock out) for all controls	$\checkmark$		Swivel guard		$\checkmark$
Anti-skid plate and countersunk bolts	√		Track guiding guards	$\checkmark$	
on service platform			3700 kg (8,200 lb) counterweight	$\checkmark$	
Swing alarm		$\checkmark$			
Ground-level accessible secondary engine shutoff switch in cab	$\checkmark$				
RH handrail and handhold (ISO 2867:2011 compliant)	$\checkmark$				
Inspection lighting		$\checkmark$			

# **Dealer Installed Kit and Attachments**

Attachments may vary. Consult your Cat dealer for details.

#### CAB

• Polycarbonate roof hatch

#### SERVICE AND MAINTENANCE

• Grease gun holder

#### GUARDS

- FOGS (not compatible with cab light cover, rain protector)
- Mesh guard full front (not compatible with cab light cover, rain protector)
- Mesh guard lower half front
- Full protecting vandalism guard

# **320 GC 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 320 GC meets China Nonroad Stage IV 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.

#### **Air Conditioning System**

• The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.85 kg (1.9 lb) of refrigerant which has a CO<sub>2</sub> equivalent of 1.216 metric tonnes (1.340 tons).

#### 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**

ISO 6395 (external) – 100 dB(A)

ISO 6396 (inside cab) - 70 dB(A)

- When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed according to ANSI/SAE J1166 OCT98, meets OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/ windows open) for extended periods or in a noisy environment.

#### **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<sup>™</sup> 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
- Smart mode matches machine power to digging requirements automatically
- Eco mode minimizes fuel consumption for light applications
- Automatic engine idle shutdown system reduces idle hours
- Cut maintenance costs up to 20% with extended service intervals
- Programmable high-efficiency cooling fans run only when needed
- New hydraulic oil filter provides longer life with a 3,000-hour replacement interval

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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