



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	107 kW	143 hp
ISO 9249 (DIN)	145 hp (metric)	
Engine Power		
ISO 14396	108 kW	145 hp
ISO 14396 (DIN)	147 hp (metric)	
Bore	105 mm	4 in
Stroke	127 mm	5 in
Displacement	4.4 L	269 in ³
Biodiesel capability	Up to B20 ⁽¹⁾	

- Meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- 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 standard shown 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.

⁽¹⁾Cat engines are compatible with diesel fuel blended with the following lower-carbon intensity fuels** up to:

- ✓ 100% 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.

*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.

Swing Mechanism

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

Weights

Operating Weight	21,100 kg	46,500 lb
• Medium undercarriage, Reach boom, R2.9 (9'6") stick, General Duty (G)D 1.0 m ³ (1.31 yd ³) bucket, 790 mm (31") triple grouser shoes, 3.7 mt (8,200 lb) counterweight.		

Track

Optional Track Shoes Width	600 mm	24 in
Optional Track Shoes Width	790 mm	31 in
Number of Shoes (each side)	47	
Number of Track Rollers (each side)	7	
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 × 2 pumps)	113 gal/min (57 × 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	86.6 gal
Cooling System	25 L	6.6 gal
Engine Oil	15 L	4.0 gal
Swing Drive	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/Rollover Protective Structure (ROPS)	ISO 12117-2:2008
Cab/Operator Protective Guards (OPG) (optional)	ISO 10262:1998 Level II

Sound Performance

ISO 6395:2008 (external)	99 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.

320 GC Hydraulic Excavator Specifications

Operating Weights and Ground Pressures

	600 mm (24") Triple Grouser Shoes		790 mm (31") Triple Grouser Shoes	
	Weight kg (lb)	Ground Pressure kPa (psi)	Weight kg (lb)	Ground Pressure kPa (psi)
Base Machine Configurations				
Base Frame with Track Rollers and Carrier Rollers				
3.7 mt (8,200 lb) Counterweight + Medium Undercarriage Base Machine				
Reach Boom + R2.9 (9'6") Stick + 1.0 m ³ (1.31 yd ³) GD Bucket	20 400 (45,000)	44.7 (6.5)	21 100 (46,500)	35.1 (5.1)

All operating weights include a 90% fuel tank with 75 kg (165 lb) operator.

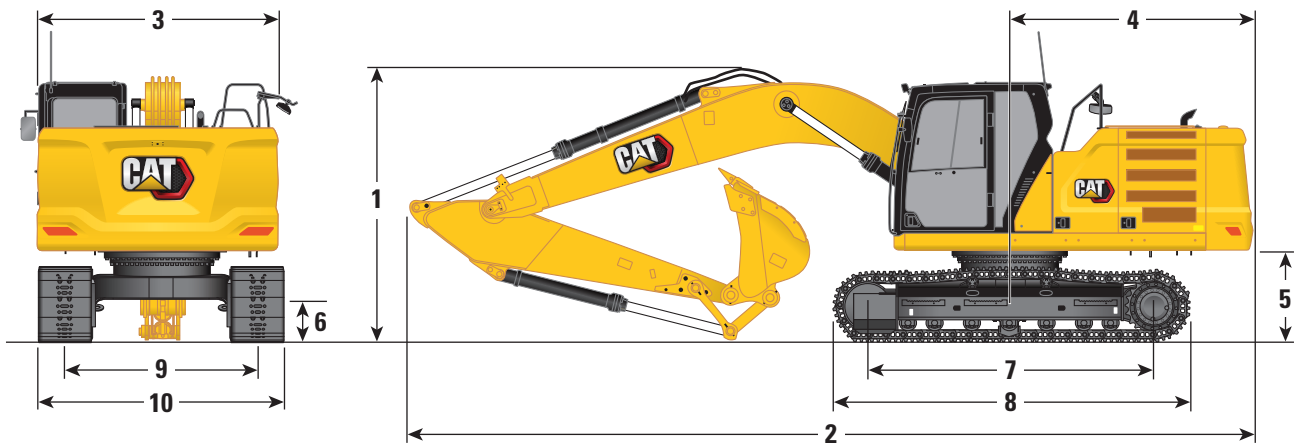
Major Component Weights

	kg	lb
Base Machine (with 3.7 mt [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)	13 740	30,300
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	700
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	310	700
Counterweight:		
3.7 mt (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
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick R2.9B1 (9'6")	1080	2,400
Bucket (without linkage):		
1.0 m ³ (1.31 yd ³) GD	730	1,600

320 GC Hydraulic Excavator Specifications

Dimensions

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



Boom Option

Reach Boom
5.7 m (18'8")

Stick Option

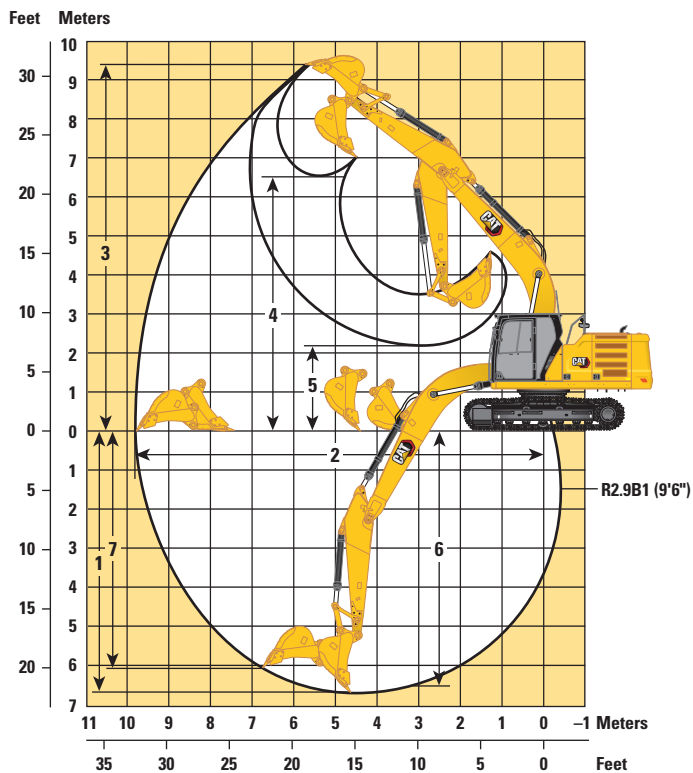
Reach Stick
R2.9B1 (9'6")

1 Machine Height:		
Top of Cab Height	2960 mm	9'9"
Top of OPG 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"
3 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 Length to Center of Rollers	3450 mm	11'4"
8 Track Length	4250 mm	13'11"
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		GD
Bucket Capacity	1.00 m ³	1.31 yd ³
Bucket Tip Radius	1560 mm	5'1"

320 GC Hydraulic Excavator Specifications

Working Ranges

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



Boom Option

Reach Boom
5.7 m (18'8")

Stick Option

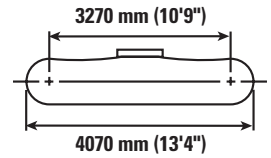
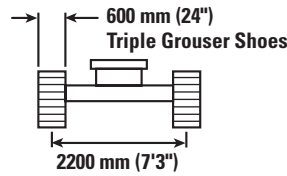
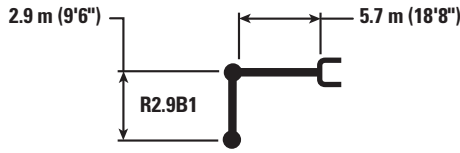
Reach Stick
R2.9B1 (9'6")

1 Maximum Digging Depth	6630 mm	21'9"
2 Maximum Reach at Ground Line	9770 mm	32'
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	GD	
Bucket Capacity	1.0 m ³	1.31 yd ³
Bucket Tip Radius	1560 mm	5'1"

320 GC Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 3.7 mt (8,200 lb) – with Bucket Linkages, without Bucket

Medium Undercarriage



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in	kg lb							*4300 *10,850	*4300 9,950			*3750 *8,300	*3750 8,300	6150 240
6000 mm 240 in	kg lb							*4950 *10,850	4950 10,600			*3450 *7,600	*3450 *7,600	7290 290
4500 mm 180 in	kg lb							*5450 *11,800	4800 10,300	4850 10,400	3350 7,200	*3400 *7,450	3000 6,650	7990 320
3000 mm 120 in	kg lb					*7950 *17,050	6950 15,000	*6250 *13,500	4550 9,800	4750 10,150	3250 7,000	*3450 *7,600	2750 6,050	8360 330
1500 mm 60 in	kg lb					*9600 *20,700	6450 13,950	6450 13,800	4300 9,300	4600 9,900	3150 6,750	*3700 *8,050	2650 5,800	8450 340
0 mm 0 in	kg lb			*5750 *13,250	*5750 *13,250	9750 20,900	6200 13,350	6250 13,400	4150 8,950	4550 9,750	3050 6,600	3950 8,700	2700 5,900	8260 330
-1500 mm -60 in	kg lb	*6150 *13,750	*6150 *13,750	*10 000 *22,650	*10 000 *22,650	9650 20,700	6100 13,150	6150 13,250	4100 8,800	4500 9,650	3050 6,550	4300 9,450	2900 6,400	7780 310
-3000 mm -120 in	kg lb	*10 600 *23,750	*10 600 *23,750	*14 100 *30,550	11 950 25,600	9700 20,850	6150 13,250	6200 13,350	4100 8,850			5050 11,200	3400 7,550	6950 280
-4500 mm -180 in	kg lb			*11 250 *24,050	*11 250 *24,050	*8100 *17,200	6350 13,700					*6100 *13,400	4700 10,600	5600 220



ISO 10567:2007



*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

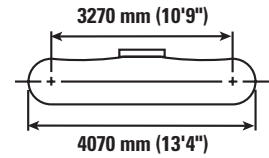
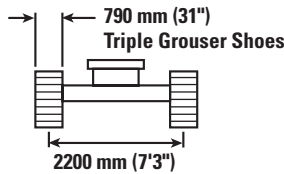
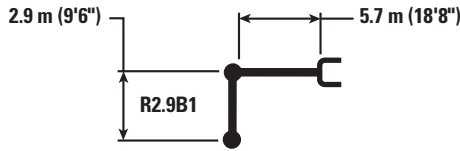
Lift capacity stays with ±5% for all available track shoes.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

320 GC Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 3.7 mt (8,200 lb) – with Bucket Linkages, without Bucket

Medium Undercarriage



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in	kg lb							*4300 *10,850	*4300 *10,850			*3750 *8,300	*3750 *8,300	6150 240
6000 mm 240 in	kg lb							*4950 *10,850	*4950 *10,850			*3450 *7,600	*3450 *7,600	7290 290
4500 mm 180 in	kg lb							*5450 *11,800	4950 10,600	5000 10,750	3500 7,450	*3400 *7,450	3150 6,900	7990 320
3000 mm 120 in	kg lb					*7950 *17,050	7200 15,450	*6250 *13,500	4700 10,150	4900 10,550	3400 7,250	*3450 *7,600	2850 6,250	8360 330
1500 mm 60 in	kg lb					*9600 *20,700	6700 14,400	6650 14,300	4500 9,650	4800 10,300	3250 7,000	*3700 *8,050	2750 6,050	8450 340
0 mm 0 in	kg lb			*5750 *13,250	*5750 *13,250	10 100 21,650	6400 13,800	6500 13,900	4300 9,250	4700 10,100	3200 6,850	*4050 *8,950	2800 6,150	8260 330
-1500 mm -60 in	kg lb	*6150 *13,750	*6150 *13,750	*10 000 *22,650	*10 000 *22,650	10 000 21,450	6350 13,650	6400 13,750	4250 9,100	4650 10,050	3150 6,800	4450 9,800	3000 6,650	7780 310
-3000 mm -120 in	kg lb	*10 600 *23,750	*10 600 *23,750	*14 100 *30,550	12 350 26,500	*9950 *21,500	6400 13,750	6450 13,850	4250 9,200			5250 11,600	3550 7,850	6950 280
-4500 mm -180 in	kg lb			*11 250 *24,050	*11 250 *24,050	*8100 *17,200	6600 14,200					*6100 *13,400	4900 11,000	5600 220



ISO 10567:2007



*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Lift capacity stays with ±5% for all available track shoes.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

320 GC Hydraulic Excavator Specifications

Bucket Specifications and Compatibility – Southeast Asia

		mm	in	m ³	yd ³	kg	lb	%	Reach Boom
									R2.9 (9'6")
Pin-On (No Quick Coupler)									
General Duty	B	1150	46	0.90	1.18	786	1,733	100	●
	B	1250	50	1.00	1.31	820	1,808	100	◎
General Duty Excavation	B	1400	56	1.14	1.49	858	1,891	100	⊖
Heavy Duty	B	1050	43	1.00	1.31	884	1,948	100	◎
	B	1200	49	1.19	1.56	955	2,105	100	⊖
	B	1350	54	1.38	1.81	1018	2,244	100	○
Heavy Duty	B	1050	42	1.00	1.31	901	1,987	100	◎
Severe Duty	B	1100	43	1.00	1.31	965	2,128	90	●
	B	1250	49	1.19	1.56	1063	2,343	90	⊖
General Duty	B	1570	62	1.10	1.44	778	1,715	100%	◎
Maximum load with pin-on (payload + bucket)								kg	2425
								lb	5,346
		mm	in	m ³	yd ³	kg	lb	%	Reach Boom
									R2.9 (9'6")
With Cat Pin Grabber Coupler									
General Duty	B	1150	46	0.90	1.18	786	1,733	100	◎
	B	1250	50	1.00	1.31	820	1,808	100	⊖
General Duty Excavation	B	1400	56	1.14	1.49	858	1,891	100	○
Heavy Duty	B	1200	49	1.19	1.56	955	2,105	100	○
Heavy Duty	B	1050	42	1.00	1.31	901	1,987	100	⊖
Severe Duty	B	1100	43	1.00	1.31	965	2,128	90	⊖
	B	1250	49	1.19	1.56	1063	2,343	90	○
Maximum load with coupler (payload + bucket)								kg	2006
								lb	4,423

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 7451:2007.

Bucket weight with General Duty tips.

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³)
- ◎ 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- 1200 kg/m³ (2,000 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.

320 GC Hydraulic Excavator Specifications

Attachments Offering Guide – Southeast Asia

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

Match

PIN-ON ATTACHMENTS

Boom Type		Reach
Stick Length		R2.9 (9'6")
Hydraulic Hammers	H115 GC	✓
	H115 GC S	✓
	H115 S	✓
	H120 GC	✓
	H120 GC Side Mount	✓
	H120 GC S	✓
	H120 S	✓
	H130 GC	✓
	H130 GC S	✓
	H130 S	✓
	Compactors (Vibratory Plate)	CVP110
Rotary Cutters	RC20	✓

320 GC Hydraulic Excavator Specifications

Attachments Offering Guide – Pacific

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

Match * Working range front only No Match

PIN-ON ATTACHMENTS

Boom Type		Reach
Stick Length		R2.9 (9'6")
Hydraulic Hammers	H115 GC	✓
	H115 GC S	✓
	H115 S	✓
	H120 GC	✓
	H120 GC S	✓
	H120 S	✓
	H130 GC	✓
	H130 GC S	✓
	H130 S	✓
Demolition and Sorting Grapples	G318	✓
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓*
Pulverizers	P218 Secondary Pulverizer	✓
Compactors (Vibratory Plate)	CVP110	✓
Rotary Cutters	RC20	✓

CAT PIN GRABBER COUPLER ATTACHMENTS

Boom Type		Reach
Stick Length		R2.9 (9'6")
Hydraulic Hammers	H115 GC	✓
	H115 GC S	✓
	H115 S	✓
	H120 GC	✓
	H120 GC S	✓
	H120 S	✓
	H130 S	✓
Demolition and Sorting Grapples	G318	
Pulverizers	P218 Secondary Pulverizer	
Compactors (Vibratory Plate)	CVP110	✓
Rotary Cutters	RC20	✓

BOOM-MOUNT ATTACHMENTS

Boom Type		Reach
Mobile Scrap and Demolition Shears	S3035 Flat Top	✓

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
BOOM, STICKS AND LINKAGES			CAT TECHNOLOGY		
5.7 m (18'8") Reach boom	✓		VisionLink®	✓ ¹	
2.9 m (9'6") Reach stick	✓		VisionLink Productivity		✓ ²
2.9 m (9'6") Semi HD Reach stick		✓	Remote Flash	✓	
Bucket linkage, B1-family with lifting eye	✓		ELECTRICAL SYSTEM		
Bucket linkage, B1-family without lifting eye		✓	1,000 CCA maintenance-free batteries (×2)	✓	
CAB			Centralized electrical disconnect switch	✓	
ROPS	✓		Programmable time-delay LED working lights	✓	
OPG		✓	LED chassis light and Left Hand (LH) boom light – 1,800 lumens	✓	
High-resolution 203 mm (8") LCD touchscreen monitor	✓		LED chassis light, LH and Right Hand (RH) boom lights, cab lights – 1,800 lumens		✓
Auto bi-level air conditioner	✓		ENGINE		
Keyless push-to-start engine control	✓		Cat C4.4 single turbo diesel engine	✓	
Height-adjustable console, three steps with tool	✓		Two selectable power modes	✓	
Fixed left-side console	✓		Automatic engine speed control	✓	
Mechanical-suspension seat	✓		Automatic engine idle shutdown	✓	
51 mm (2") seat belt	✓		Work up to 3000 m (9,842.5 ft) above sea level without engine power de-rating	✓	
Console mounted Bluetooth® radio with USB ports	✓		52° C (125° F) high-ambient cooling capacity	✓	
24V DC outlet	✓		Cold starting capability for –32° C (–25° F)		✓
Document storage	✓		Double element air filter with integrated pre-cleaner	✓	
Overhead storage and rear storage with nets	✓		Electric fuel priming pump	✓	
Beverage holder	✓		Electric cooling fans with auto-reverse function	✓	
Cup holder	✓				
Openable two-piece front window	✓				
Rear window emergency exit	✓				
Radial wiper with washer	✓				
Openable steel hatch	✓				
LED dome light	✓				
Roller front sunscreen	✓				
Roller rear sunscreen		✓			
Washable floor mat	✓				
Beacon ready	✓				

(continued on next page)

¹Provides core telematics data to manage health, maintenance insights, and condition monitoring. Other plans available for more comprehensive data reporting. Consult your Cat dealer for details.

²VisionLink subscription required. Consult your Cat dealer for details.

320 GC Standard and Optional Equipment

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 SM) sampling ports	✓	
Electronic main control valve	✓		Grouped location for engine oil and fuel filters	✓	
Auto warm up	✓		Ground-level second dipstick for engine oil	✓	
Auto two-speed travel	✓		Radiator screen		✓
Boom and stick drift reduction valve	✓		Side entry to service platform	✓	
Element type main hydraulic filter	✓		Integrated vehicle health management system	✓	
Three button joysticks	✓		UNDERCARRIAGE AND STRUCTURES		
Slider joysticks		✓	Medium undercarriage	✓	
Tandem type electronic main pump	✓		600 mm (24") triple grouser track shoes		✓
Hammer return filter circuit		✓	790 mm (31") triple grouser track shoes		✓
Basic Tool Control (one pump, one way high-pressure flow)		✓	Tie-down points on base frame	✓	
Advanced Tool Control (two pump, one/two way high-pressure flow)		✓	Center track guiding guard	✓	
Quick coupler circuit for Cat pin grabber		✓	Swivel guard		✓
Operating pattern (four way)		✓	Bottom guards	✓	
Standard fluids	✓		Travel motor guards	✓	
Multi viscous hydraulic oil	✓		Grease lubricated track links	✓	
Arctic fluids (include grease, engine oil, hydraulic oil)		✓	3.7 mt (8,200 lb) counterweight	✓	
SAFETY AND SECURITY					
Auto hammer stop	✓				
Rearview camera	✓				
Right-hand-side view mirror		✓			
Right-hand-side view camera		✓			
Neutral lever (lock out) for all controls	✓				
Anti-skid plate and countersunk bolts on service platform	✓				
Ground-level accessible secondary engine shutoff switch in cab	✓				
Lockable disconnect switch	✓				
RH handrail and handhold	✓				
Travel alarm		✓			
Swing alarm		✓			

Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

- Lower radial wiper
- Rain protector plus cab light cover
- Polycarbonate roof hatch
- Sun visor, slider
- Laminated P5A glass front windshield
- LH/RH electrical pedal for tool control
- Armrest kit
- Dual exit rear window kit
- 75 mm (3") retractable seat belt
- Lunch box net
- Rear storage
- Tool box

GUARDS

- Swivel guard
- Side rubber bumper guard
- Operator Protective Guards
- Mesh guard full front
- Mesh guard half front
- Full protecting vandalism guard

MAINTENANCE

- Duct ready kit

SAFETY AND SECURITY

- Bluetooth receiver

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 Cat® C4.4 engine meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Cat engines are compatible with diesel fuel blended with the following lower-carbon intensity fuels** up to:
 - ✓ 100% 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.

**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 0.85 kg (1.9 lb) of refrigerant which has a CO₂ 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 6395:2008 (external) – 99 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.

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
 - Smart mode matches machine power to digging requirements automatically
 - Eco mode supports reduced fuel consumption for light applications
 - Extended service intervals help decrease maintenance costs
 - Programmable high-efficiency cooling fans run only when needed
 - The latest 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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(SE Asia, Pacific Islands)

