



# 320 GX

## Hydraulic Excavator

# Technical Specifications

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

## Table of Contents

<b>Specifications</b>	<b>2</b>
Engine	2
Swing Mechanism	2
Weights	2
Track	2
Drive	2
Hydraulic System	2
Service Refill Capacities	2
Standards	2
Sound Performance	3
Air Conditioning System	3
Operating Weights and Ground Pressures	3
Major Component Weights	4
Dimensions	5
Working Ranges and Forces	6
Reach Boom Lift Capacities	7
Bucket Specifications and Compatibility	11
Attachments Offering Guide	12
<b>Standard and Optional Equipment</b>	<b>13</b>
<b>Dealer Installed Kits and Attachments</b>	<b>15</b>
<b>320 GX Environmental Declaration</b>	<b>16</b>

# 320 GX Hydraulic Excavator Specifications

## Engine

Engine Model	Cat® C4.4	
Net Power		
ISO 9249	105.7 kW	142 hp
ISO 9249 (DIN)	144 hp (metric)	
Engine Power		
ISO 14396	110.1 kW	148 hp
ISO 14396 (DIN)	150 hp (metric)	
Bore	105 mm	4 in
Stroke	127 mm	5 in
Displacement	4.4 L	269 in3
Biodiesel Capability	Up to B20 <sup>(1)</sup>	

- Meets U.S. EPA Tier 4 Final and EU Stage V emission standards.
- Recommended for use up to 4500 m (14,764 ft) altitude with engine power derate above 3000 m (9,842 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 2,200 rpm.

<sup>(1)</sup>Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible\* with 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.

*\*While Caterpillar engines are compatible with these alternative fuels, some regions may not allow their use.*

*\*\*Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.*

*\*\*\*Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).*

## Swing Mechanism

Swing Speed	11.1 rpm	
Maximum Swing Torque	74 kN·m	54,875 lbf·ft

## Weights

Operating Weight	20 100 kg	44,300 lb
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- Standard undercarriage, Reach boom, R2.7 (8'9") stick, General Duty (GD) 1.00 m<sup>3</sup> (1.31 yd<sup>3</sup>) bucket, 600 mm (24") triple grouser shoes, and 3600 kg (7,940 lb) counterweight.

## Track

Optional Track Shoes Width	600 mm	24 in
Optional Track Shoes Width	790 mm	31 in
Number of Shoes (each side) – Standard Undercarriage	45	
Number of Shoes (each side) – Medium Undercarriage	47	
Number of Track Rollers (each side)	7	
Number of Carrier Rollers (each side)	2	

## Drive

Maximum Gradeability	35° ±70%	
Maximum Travel Speed	5.7 km/h	3.5 mph
Maximum Drawbar Pull	201 kN	45,187 lbf

## Hydraulic System

Main System – Maximum Flow – Implement	429 L/min (214.5 L/min × 2 pumps)	113 gal/min (56.7 gal/min × 2 pumps)
Maximum Pressure – Equipment – Normal	35 000 kPa	5,075 psi
Maximum Pressure – Travel	35 000 kPa	5,075 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	1493 mm	59 in
Bucket Cylinder – Bore	115 mm	5 in
Bucket Cylinder – Stroke	1104 mm	43 in

## Service Refill Capacities

Fuel Tank Capacity	390 L	103.0 gal
Cooling System	24.5 L	6.5 gal
Engine Oil	15 L	4.0 gal
Swing Drive	5.5 L	1.5 gal
Final Drive (each)	4.5 L	1.2 gal
Hydraulic System (including tank)	218 L	57.6 gal
Hydraulic Tank (including suction pipe)	115 L	30.4 gal
Diesel Exhaust Fluid (DEF) Tank	26 L	6.9 gal

## Standards

Brakes	ISO 10265:2008
Cab/Operator Protective Guards (OPG) (optional)	ISO 10262:1998 Level II
Rollover Protective Structure (ROPS) (optional)	ISO 12117-2 2008

# 320 GX Hydraulic Excavator Specifications

## Sound Performance

ISO 6395:2008 (external) 102 dB(A)

ISO 6396:2008 (inside cab) 70 dB(A)

- External Sound – The spectator sound power level is measured according to the test procedures and conditions specified in ISO 6395:2008 for a Caterpillar machine that is properly equipped and maintained.
- Internal Sound – The operator sound pressure level is measured according to the test procedures and conditions specified in ISO 6396:2008 for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors/windows open) for extended periods or in noisy environment(s).

## 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 of refrigerant, which has a CO<sub>2</sub> equivalent of 1.2155 metric tonnes.

## Operating Weights and Ground Pressures

	600 mm (24 in) Triple Grouser Shoes		790 mm (31 in) Triple Grouser Shoes	
	Weight	Ground Pressure	Weight	Ground Pressure
Base Machine Configurations	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
<b>Base Frame with Track Rollers and Carrier Rollers</b>				
<b>3600 kg (7,940 lb) Counterweight + Standard Undercarriage Base Machine</b>				
Reach Boom + R2.5B1 (8'2") Stick + 1.00 m <sup>3</sup> (1.31 yd <sup>3</sup> ) GD Bucket	20 000 (44,100)	46.0 (6.7)	20 600 (45,400)	36.0 (5.2)
Reach Boom + R2.7B1 (8'9") Stick + 1.00 m <sup>3</sup> (1.31 yd <sup>3</sup> ) GD Bucket	20 100 (44,300)	46.3 (6.7)	20 700 (45,600)	36.2 (5.2)

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

# 320 GX Hydraulic Excavator Specifications

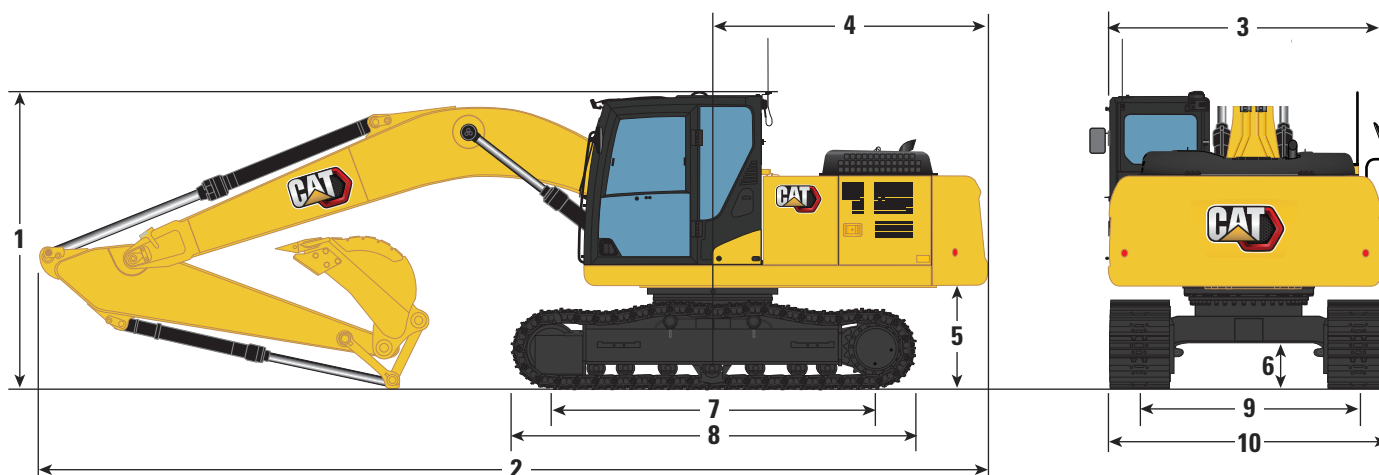
## Major Component Weights

	kg	lb
Base Machine (with 3600 kg [7,940 lb] counterweight, upper frame, standard undercarriage with rollers and two boom cylinders – does not include boom, stick, bucket, stick cylinder, bucket cylinder, tracks, 90% fuel tank and 75 kg [165 lb] operator).	13 810	30,440
Track Shoes:		
600 mm (24") Width, 8.5 mm (0.33") Thick Triple Grouser Track Shoes	2390	5,270
790 mm (31") Width, 10 mm (0.39") Thick Triple Grouser Track Shoes	3010	6,640
Two Boom Cylinders	360	800
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	380	840
Counterweight:		
3600 kg (7,940 lb) Counterweight	3600	7,930
Booms (including cylinder lines, pins, stick cylinder):		
Reach Boom 5.7 m (18'8")	1650	3,640
High Pressure (HP) tool control lines for Reach Boom 5.7 m (18'8")	80	180
Sticks (including cylinder lines, pins, bucket cylinder, bucket linkage):		
Reach Stick R2.5B1 (8'2")	1000	2,190
Reach Stick R2.7B1 (8'9")	1030	2,260
HP tool control lines for Reach Stick R2.5B1 (8'2")	50	100
HP tool control lines for Reach Stick R2.7B1 (8'9")	60	120
Bucket (without linkage, with tips and side cutters):		
1.00 m <sup>3</sup> (1.31 yd <sup>3</sup> ) GD with Advansys Tips	790	1,750

# 320 GX Hydraulic Excavator Specifications

## Dimensions

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

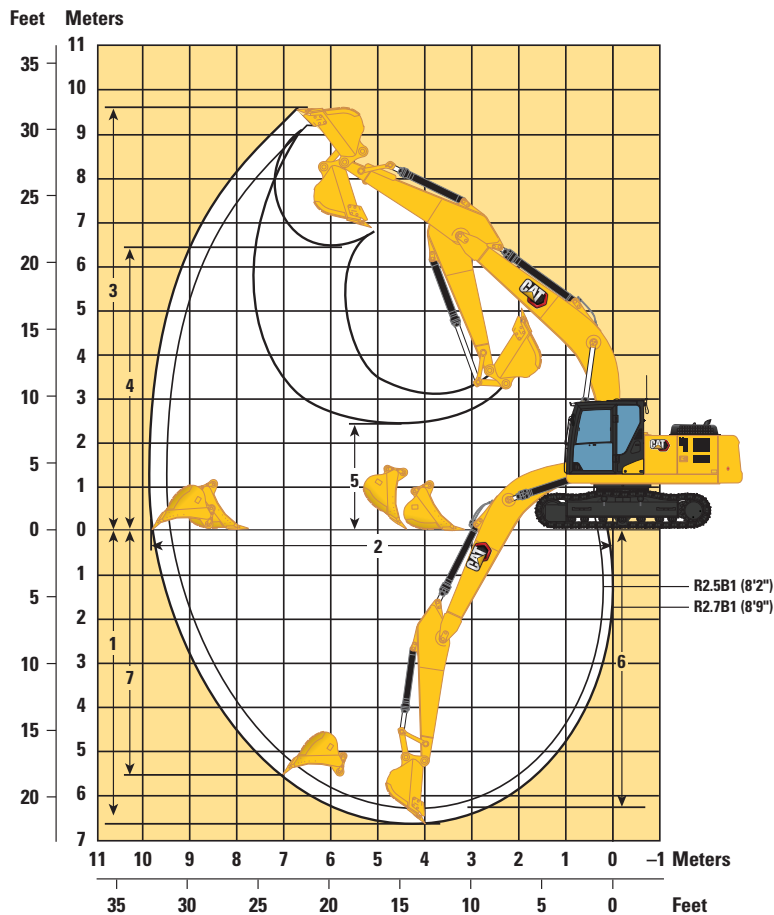


Undercarriages		Standard			
Boom Options		Reach Boom 5.7 m (18'8")			
Stick Options		Reach Stick			
		R2.5B1 (8'2")		R2.7B1 (8'9")	
1 Machine Height					
Top of Cab Height		2960 mm	9'9"	2960 mm	9'9"
Top of OPG Height		3100 mm	10'2"	3100 mm	10'2"
Handrail Height		3010 mm	9'11"	3010 mm	9'11"
With Boom/Stick/Bucket Installed		3280 mm	10'8"	3130 mm	10'3"
With Boom/Stick Installed		3010 mm	9'11"	3010 mm	9'11"
With Boom Installed		3010 mm	9'11"	3010 mm	9'11"
2 Machine Length					
With Boom/Stick/Bucket Installed		9580 mm	31'5"	9570 mm	31'5"
With Boom/Stick Installed		9540 mm	31'4"	9560 mm	31'4"
With Boom Installed		8510 mm	27'11"	8510 mm	27'11"
3 Upperframe Width		2740 mm	9'0"	2740 mm	9'0"
4 Tail Swing Radius		2830 mm	9'3"	2830 mm	9'3"
5 Counterweight Clearance		1040 mm	3'5"	1040 mm	3'5"
6 Ground Clearance		460 mm	1'6"	460 mm	1'6"
7 Track Length – Length to Center of Rollers		3270 mm	10'9"	3270 mm	10'9"
8 Track Length – Crawler Overall Length		4080 mm	13'5"	4080 mm	13'5"
9 Track Gauge		2200 mm	7'3"	2200 mm	7'3"
10 Undercarriage Width					
600 mm (24") Shoes		2800 mm	9'2"	2800 mm	9'2"
790 mm (31") Shoes		2990 mm	9'10"	2990 mm	9'10"
Bucket Type		GD		GD	
Bucket Capacity		1.00 m³	1.31 yd³	1.00 m³	1.31 yd³
Bucket Tip Radius		1572 mm	5'2"	1572 mm	5'2"

# 320 GX Hydraulic Excavator Specifications

## Working Ranges and Forces

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



### Undercarriages

Standard

### Boom Options

Reach Boom  
5.7 m (18'8")

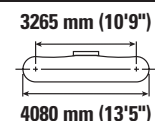
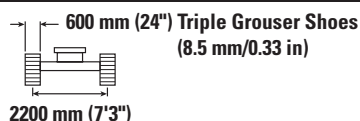
### Stick Options













Reach Stick

	R2.5B1 (8'2")		R2.7B1 (8'9")	
1 Maximum Digging Depth	6310 mm	20'8"	6510 mm	21'4"
2 Maximum Reach at Ground Line	9470 mm	31'1"	9660 mm	31'8"
3 Maximum Cutting Height	9240 mm	30'4"	9340 mm	30'8"
4 Maximum Loading Height	6280 mm	20'7"	6380 mm	20'11"
5 Minimum Loading Height	2580 mm	8'6"	2380 mm	7'10"
6 Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	6120 mm	20'1"	5770 mm	18'11"
7 Maximum Vertical Wall Digging Depth	5380 mm	17'8"	5570 mm	18'3"
Minimum Working Equipment Radius	3700 mm	12'2"	3680 mm	12'1"
Bucket Digging Force (ISO)	130 kN	29,230 lbf	130 kN	29,225 lbf
Stick Digging Force (ISO)	110 kN	24,730 lbf	105 kN	23,605 lbf
Bucket Type	GD		GD	
Bucket Capacity	1.00 m <sup>3</sup>	1.31 yd <sup>3</sup>	1.00 m <sup>3</sup>	1.31 yd <sup>3</sup>
Bucket Tip Radius	1572 mm	5'2"	1572 mm	5'2"

# 320 GX Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 3600 kg (7,940 lb) – without Bucket



		3.0 m/10'0"		4.5 m/15'0"		6.0 m/20'0"		7.5 m/25'0"				m ft/in
												
7.5 m 25'0"	kg lb									*4550 *10,050	*4550 *10,050	5.59 17'11"
6.0 m 20'0"	kg lb					*5400 *11,850	4500 9,600			*4150 *9,150	3600 8,050	6.82 22'2"
4.5 m 15'0"	kg lb			*6800 *14,600	6700 14,500	*5850 *12,650	4350 9,350	4450	3050	*4050 *8,950	3000 6,650	7.57 24'9"
3.0 m 10'0"	kg lb			*8550 *18,350	6200 13,400	6150 13,250	4150 8,900	4400 9,450	3000 6,400	*4000 *8,850	2700 6,000	7.96 26'1"
1.5 m 5'0"	kg lb			9150 19,650	5800 12,500	5950 12,750	3950 8,450	4300 9,250	2900 6,200	3900 8,500	2600 5,750	8.05 26'5"
0 m 0'0"	kg lb			8900 19,150	5600 12,050	5800 12,450	3800 8,200	4250 9,100	2850 6,050	3950 8,700	2650 5,850	7.86 25'9"
-1.5 m -5'0"	kg lb	*10 500 *23,900	*10 500 22,600	8850 19,050	5550 12,000	5750 12,350	3750 8,100			4350 9,550	2900 6,350	7.35 24'1"
-3.0 m -10'0"	kg lb	*13 300 *28,850	10 750 23,000	8950 19,250	5650 12,150	5800 12,500	3800 8,250			5250 11,650	3500 7,700	6.46 21'1"
-4.5 m -15'0"	kg lb			*7250 *15,150	5900 12,750					*6250 *13,700	5150 11,650	4.98 16'0"



ISO 10567:2007



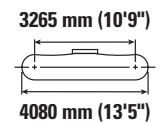
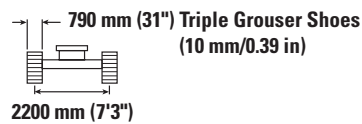
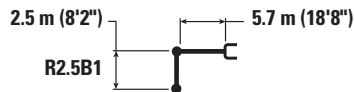
\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories 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.

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## Reach Boom Lift Capacities – Counterweight: 3600 kg (7,940 lb) – without Bucket



		3.0 m/10'0"		4.5 m/15'0"		6.0 m/20'0"		7.5 m/25'0"				m ft/in
												
7.5 m 25'0"	kg lb									*4550 *10,050	*4550 *10,050	5.59 17'11"
6.0 m 20'0"	kg lb					*5400 *11,850	4600 9,850			*4150 *9,150	3700 8,250	6.82 22'2"
4.5 m 15'0"	kg lb			*6800 *14,600	6800 14,600	*5850 *12,650	4450 9,600	4550	3150	*4050 *8,950	3100 6,850	7.57 24'9"
3.0 m 10'0"	kg lb			*8550 *18,350	6400 13,800	6350 13,600	4250 9,150	4500 9,700	3050 6,600	*4150 *9,100	2800 6,150	7.96 26'1"
1.5 m 5'0"	kg lb			9400 20,200	5950 12,850	6100 13,150	4050 8,700	4400 9,500	3000 6,400	4000 8,750	2700 5,900	8.05 26'5"
0 m 0'0"	kg lb			9150 19,700	5750 12,400	5950 12,800	3900 8,400	4350 9,350	2900 6,250	4100 9,000	2750 6,000	7.86 25'9"
-1.5 m -5'0"	kg lb	*10 500 *23,900	*10 500 23,250	9150 19,600	5750 12,350	5900 12,700	3850 8,350			4450 9,850	3000 6,550	7.35 24'1"
-3.0 m -10'0"	kg lb	*13 300 *28,850	11 050 23,650	9250 19,800	5800 12,550	6000 12,850	3950 8,500			5400 12,000	3600 7,950	6.46 21'1"
-4.5 m -15'0"	kg lb			*7250 *15,150	6050 13,100					*6250 *13,700	5300 11,950	4.98 16'0"



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.

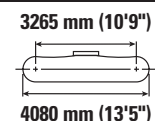
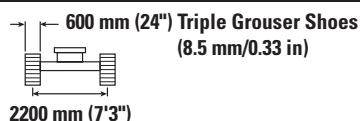
Lift capacity stays with  $\pm 5\%$  for all available track shoes.













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# 320 GX Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 3600 kg (7,940 lb) – without Bucket



		3.0 m/10'0"		4.5 m/15'0"		6.0 m/20'0"		7.5 m/25'0"				m ft/in
												
7.5 m 25'0"	kg lb									*4100 *9,150	*4100 *9,150	5.85 18'10"
6.0 m 20'0"	kg lb					*5200 *11,350	4500 9,650			*3800 *8,350	3450 7,650	7.04 22'11"
4.5 m 15'0"	kg lb					*5650 *12,300	4350 9,400	4500 9,600	3050 6,550	*3700 *8,200	2900 6,400	7.76 25'5"
3.0 m 10'0"	kg lb			*8250 *17,800	6250 13,500	6150 13,250	4150 8,950	4400 9,450	3000 6,400	*3800 *8,350	2600 5,750	8.14 26'8"
1.5 m 5'0"	kg lb			9150 19,700	5850 12,550	5950 12,750	3950 8,450	4300 9,200	2900 6,200	3750 8,200	2500 5,500	8.24 27'0"
0 m 0'0"	kg lb	*5200 *12,100	*5200 *12,100	8900 19,100	5600 12,050	5750 12,400	3800 8,150	4200 9,050	2800 6,050	3800 8,400	2550 5,600	8.05 26'5"
-1.5 m -5'0"	kg lb	*10 250 *23,250	*10 250 22,450	8850 18,950	5550 11,900	5700 12,300	3750 8,050	4200	2800	4150 9,150	2750 6,100	7.56 24'9"
-3.0 m -10'0"	kg lb	*13 750 *29,750	10 650 22,850	8900 19,150	5600 12,100	5750 12,400	3800 8,150			4950 11,000	3300 7,300	6.70 21'10"
-4.5 m -15'0"	kg lb	*10 650 *22,750	*10 650 22,750	*7700 *16,300	5850 12,600					*6200 *13,650	4700 10,600	5.28 17'0"



ISO 10567:2007



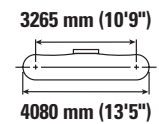
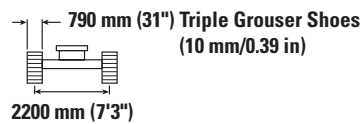
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











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

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## Reach Boom Lift Capacities – Counterweight: 3600 kg (7,940 lb) – without Bucket



		3.0 m/10'0"		4.5 m/15'0"		6.0 m/20'0"		7.5 m/25'0"				m ft/in
												
7.5 m 25'0"	kg lb									*4100 *9,150	*4100 *9,150	5.85 18'10"
6.0 m 20'0"	kg lb					*5200 *11,350	4600 9,900			*3800 *8,350	3550 7,850	7.04 22'11"
4.5 m 15'0"	kg lb					*5650 *12,300	4500 9,600	4600 9,800	3150 6,750	*3700 *8,200	2950 6,550	7.76 25'5"
3.0 m 10'0"	kg lb			*8250 *17,800	6450 13,850	6350 13,650	4250 9,150	4500 9,700	3050 6,600	*3800 *8,350	2700 5,950	8.14 26'8"
1.5 m 5'0"	kg lb			9450 20,250	6000 12,900	6100 13,150	4050 8,700	4400 9,500	2950 6,350	3850 8,450	2600 5,700	8.24 27'0"
0 m 0'0"	kg lb	*5200 *12,100	*5200 *12,100	9150 19,700	5750 12,400	5950 12,800	3900 8,400	4350 9,350	2900 6,200	3950 8,650	2650 5,800	8.05 26'5"
-1.5 m -5'0"	kg lb	*10 250 *23,250	*10 250 23,100	9100 19,550	5700 12,300	5900 12,650	3850 8,300	4350	2900	4300 9,450	2850 6,300	7.56 24'9"
-3.0 m -10'0"	kg lb	*13 750 *29,750	10 950 23,500	9200 19,700	5800 12,450	5950 12,750	3900 8,400			5100 11,350	3400 7,500	6.70 21'10"
-4.5 m -15'0"	kg lb	*10 650 *22,750	*10 650 22,750	*7700 *16,300	6000 12,950					*6200 *13,650	4850 10,900	5.28 17'0"



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 GX Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	Reach Boom	
		mm	in	m³	yd³	kg	lb	%	R2.5 m (8'2")	R2.7 m (8'9")
Pin-On (No Quick Coupler)										
General Duty	B	1050	41	0.90	1.18	744	1,640	100	●	●
	B	1050	42	1.00	1.31	793	1,748	100	⦿	⦿
Maximum load with pin-on (payload + bucket)								kg	2620	2605
								lb	5,776	5,743

The above loads are in compliance with hydraulic excavator standard EN474-5:2022/AC:2022, 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/m<sup>3</sup> (3,500 lb/yd<sup>3</sup>)

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

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 GX Hydraulic Excavator Specifications

## Attachments Offering Guide

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

☒ Match
 ☐ \* Working range front only
 ☐ † Allowed usage on machine less than 50%
 ☐ No Match

### PIN-ON ATTACHMENTS

Boom Type		Reach Boom	
Stick Length		R2.5 m (8'2")	R2.7 m (8'9")
Hydraulic Hammers	H115 S	✓	✓
	H120 GC	✓	✓
	H120 GC Side Mount	✓	✓
	H120 GC S	✓	✓
	H120 S	✓	✓
	H130 GC	✓†	
	H130 GC S	✓†	
	H130 S	✓†	✓†
Compactors (Vibratory Plate)	CVP110	✓	✓

### CAT PIN GRABBER COUPLER ATTACHMENTS

Boom Type		Reach Boom	
Stick Length		R2.5 m (8'2")	R2.7 m (8'9")
Hydraulic Hammers	H120 GC Side Mount	✓†	✓†*

# 320 GX Standard and Optional Equipment

## Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
<b>BOOMS, STICKS AND LINKAGES</b>			<b>ELECTRICAL SYSTEM</b>		
5.7 m (18'8") Reach boom	✓		Two 950 CCA maintenance-free batteries	✓	
2.5 m (8'2") Reach stick		✓	Electrical disconnect switch	✓	
2.7 m (8'9") Reach stick		✓	LED chassis and cab lights	✓	
Bucket linkage with lifting eye, B1 type	✓		LED right-side boom light		✓
<b>CAB</b>			LED left-side boom light	✓	
OPG		✓	<b>ENGINE</b>		
Sound suppressed cab with viscous mounts	✓		Cat® C4.4 single turbo diesel engine	✓	
High-resolution 203 mm (8") LCD touchscreen monitor	✓		Two selectable modes: Power, Smart	✓	
Mechanical-suspension seat with head rest and arm rest	✓		Up to 4500 m (14,764 ft) altitude capability with derate from 3000 m (9,842 ft)	✓	
51 mm (2") orange seat belt	✓		52° C (125° F) high-ambient cooling capacity	✓	
Auto bi-level air conditioner	✓		-25° C (-13° F) cold start capability	✓	
Keyless push-to-start engine control	✓		Electric fuel priming pump	✓	
Fixed left-side console	✓		Direct drive fan	✓	
1-button joysticks	✓		Two-stage fuel filtration system with water separator and indicator	✓	
3-button joysticks		✓	Sealed double element air filter with pre-cleaner	✓	
AM/FM Bluetooth® radio with USB/Aux ports	✓		<sup>1</sup> Provides 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.		
Speakers (mounted on roof)	✓				
24V DC outlet	✓				
Storage compartments	✓				
Cup holder	✓				
70/30 tempered glass windshield	✓				
Rear window emergency exit	✓				
Radial wiper with washer	✓				
Openable steel hatch	✓				
LED dome light	✓				
Washable floor mat	✓				
<b>CAT TECHNOLOGY</b>					
Cat Equipment Management:					
VisionLink™	✓ <sup>1</sup>				
Capability to Remote Flash	✓				
Cat Product Link™ (telematics only)	✓				

(continued on next page)

# 320 GX 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
<b>HYDRAULIC SYSTEM</b>			<b>SERVICE AND MAINTENANCE</b>		
Electronic main control valve, hammer ready	✓		Grouped engine oil and fuel filters	✓	
Back-to-back electronic pumps	✓		S·O·S <sup>SM</sup> ports	✓	
High performance hydraulic return filter	✓		Radiator screen		✓
Hammer return filter		✓	<b>UNDERCARRIAGE AND STRUCTURES</b>		
Boom and stick regeneration circuits	✓		600 mm (24") triple grouser shoes		✓
Automatic hydraulic oil warm-up	✓		790 mm (31") triple grouser shoes		✓
Automatic two-speed travel	✓		Grease lubricated track link	✓	
Hammer lines	✓		Center track guiding guard	✓	
<b>SAFETY AND SECURITY</b>			Bottom guards	✓	
Anti-skid plating with countersunk bolts	✓		Travel motor guards	✓	
Auto hammer stop	✓		3600 kg (7,940 lb) counterweight	✓	
Handrail and handhold	✓		Standard undercarriage	✓	
Lockable external tool/storage box	✓		Tie-down points	✓	
Lockable disconnect switch	✓				
Ground-level secondary engine shutoff switch	✓				
Signaling/warning horn	✓				
Right-hand-side edge mirror		✓			
Rearview camera		✓			
ROPS		✓			
Travel alarm	✓				
Swing alarm		✓			

## Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

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### GUARDS

- 6 mm (0.24") standard swivel guard
- Mesh guard full front (not compatible with cab light cover, rain protector)
- Mesh guard lower half front

### SERVICE PARTS

- Hammer floor pedal kit
- Grease gun holder

# 320 GX 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 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) and are compatible\* with 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.

*\*While Caterpillar engines are compatible with these alternative fuels, some regions may not allow their use.*

*\*\*Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.*

*\*\*\*Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).*

## 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 6395:2008 (external) 102 dB(A)

ISO 6396:2008 (inside cab) 70 dB(A)

- External Sound – The spectator sound power level is measured according to the test procedures and conditions specified in ISO 6395:2008 for a Caterpillar machine that is properly equipped and maintained.
- Internal Sound – The operator sound pressure level is measured according to the test procedures and conditions specified in ISO 6396:2008 for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors/windows open) for extended periods or in noisy environment(s).

## 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.
  - Smart mode matches machine power to digging requirements automatically
  - Automatic Engine Control reduces engine speed when the machine is not under load to minimize fuel consumption
  - Enhanced filters and extended service intervals help decrease maintenance costs
  - The latest hydraulic oil filter provides an extended 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](http://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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