



# 320 GX

## 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 GX Hydraulic Excavator Specifications

## Engine

Engine Model	Cat® C4.4	
Net Power – ISO 9249	104 kW	139 hp
Engine Power – ISO 14396	108 kW	145 hp
Bore	105 mm	4 in
Stroke	127 mm	5 in
Displacement	4.4 L	269 in <sup>3</sup>

- The 320 GX meets China Nonroad Stage III 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 ft).
- Net power is tested per ISO 9249. Standards 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.
- Rated speed at 2,000 rpm.

## Swing Mechanism

Swing Speed	11.07 rpm	
Maximum Swing Torque	74 kN·m	54,875 lbf-ft

## Weights

Operating Weight	19 900 kg	43,900 lb
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- Reach boom, R2.7 (8'10") stick, GD 0.93 m<sup>3</sup> (1.22 yd<sup>3</sup>) bucket, 600 mm (24") triple grouser shoes, and 3.6 mt (7,940 lb) counterweight.

Operating Weight	20 500 kg	45,300 lb
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- Reach boom, R2.7 (8'10") stick, GD 0.93 m<sup>3</sup> (1.22 yd<sup>3</sup>) bucket, 790 mm (31") triple grouser shoes, and 3.6 mt (7,940 lb) counterweight.

Operating Weight	19 900 kg	43,900 lb
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- Reach boom, R2.5 (8'2") stick, GD 1.00 m<sup>3</sup> (1.31 yd<sup>3</sup>) bucket, 600 mm (24") triple grouser shoes, and 3.6 mt (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)	45	
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	45,142 lbf

## Hydraulic System

Main System – Maximum Flow – Implement	429 L/min (214.5 L/min × 2 pumps)	113.4 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	3,626 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	390 L	103.0 gal
Cooling System	24.5 L	6.5 gal
Engine Oil	15 L	4.0 gal
Swing Drive	12 L	3.2 gal
Final Drive (each)	4.5 L	1.2 gal
Hydraulic System (including tank)	218 L	57.6 gal
Hydraulic Tank	115 L	30.4 gal

## Standards

Brakes	ISO 10265:2008
Cab/FOGS (Optional)	ISO 10262:1998 Level II

## Sound Performance

GB 16710:2010 (external)	104 dB(A)
GB 16710:2010 (inside cab)	80 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.
- Compliant to China Standard GB 16710-2010 Phase II.

## 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.

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## Operating Weights and Ground Pressures

	600 mm (24 in) Triple Grouser Shoes		790 mm (31 in) Triple Grouser Shoes	
	Weight kg (lb)	Ground Pressure kPa (psi)	Weight kg (lb)	Ground Pressure kPa (psi)
<b>Base machine with 3.6 mt (7,940 lb) Counterweight and Standard Undercarriage</b>				
Reach Boom + R2.7B1 (8'10") Stick + 0.93 m <sup>3</sup> (1.22 yd <sup>3</sup> ) GD Bucket + HP tool control lines	19 900 (43,900)	45.8 (6.6)	20 500 (45,300)	35.8 (5.2)
Reach Boom + R2.5B1 (8'2") Stick + 1.00 m <sup>3</sup> (1.31 yd <sup>3</sup> ) GD Bucket + HP tool control lines	19 900 (43,900)	45.8 (6.6)	20 500 (45,300)	35.8 (5.2)
Reach Boom + R2.7B1 (8'10") Stick + 0.90 m <sup>3</sup> (1.18 yd <sup>3</sup> ) GD Bucket with Advansys-Tips + HP tool control lines	19 900 (43,900)	45.8 (6.6)	20 500 (45,200)	35.8 (5.2)

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

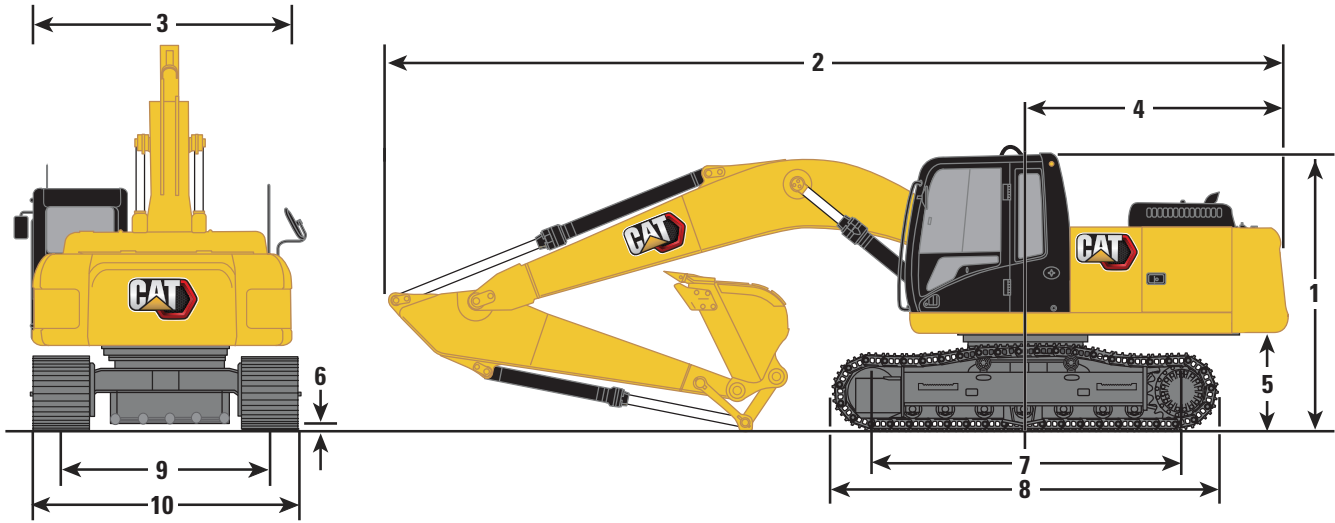
## Major Component Weights

	kg	lb
Base Machine (with 3.6 mt [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).	13 570	29,910
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:		
3.6 mt (7,940 lb) Counterweight	3600	7,940
Boom (including cylinder lines, pins, stick cylinder):		
Reach Boom 5.7 m (18'8")	1650	3,600
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 (8'10")	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 (8'10")	60	120
Buckets (without linkage, with tips and side cutters):		
0.90 m <sup>3</sup> (1.18 yd <sup>3</sup> ) GD with Advansys Tips	740	1,640
0.90 m <sup>3</sup> (1.18 yd <sup>3</sup> ) GD with J-Tips	780	1,720
0.93 m <sup>3</sup> (1.22 yd <sup>3</sup> ) GD with Advansys Tips	770	1,690
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.



### Boom Option

Reach Boom  
5.7 m (18'8")

### Stick Options

Reach Stick

R2.5B1 (8'2")

R2.7B1 (8'10")

#### 1 Machine Height

Top of Cab Height	2950 mm	9'8"	2950 mm	9'8"
Top of FOGS Height	3082 mm	10'1"	3082 mm	10'1"
Handrail Height	3010 mm	9'11"	3010 mm	9'11"
With Boom/Stick/Bucket Installed	3235 mm	10'7"	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"
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#### 4 Tail Swing Radius

	2830 mm	9'3"	2830 mm	9'3"
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#### 5 Counterweight Clearance

	1044 mm	3'5"	1044 mm	3'5"
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#### 6 Ground Clearance

	464 mm	1'6"	464 mm	1'6"
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#### 7 Track Length – Length to Center of Rollers

	3265 mm	10'9"	3265 mm	10'9"
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#### 8 Track Length – Crawler Overall Length

	4080 mm	13'5"	4080 mm	13'5"
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#### 9 Track Gauge

	2200 mm	7'3"	2200 mm	7'3"
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#### 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

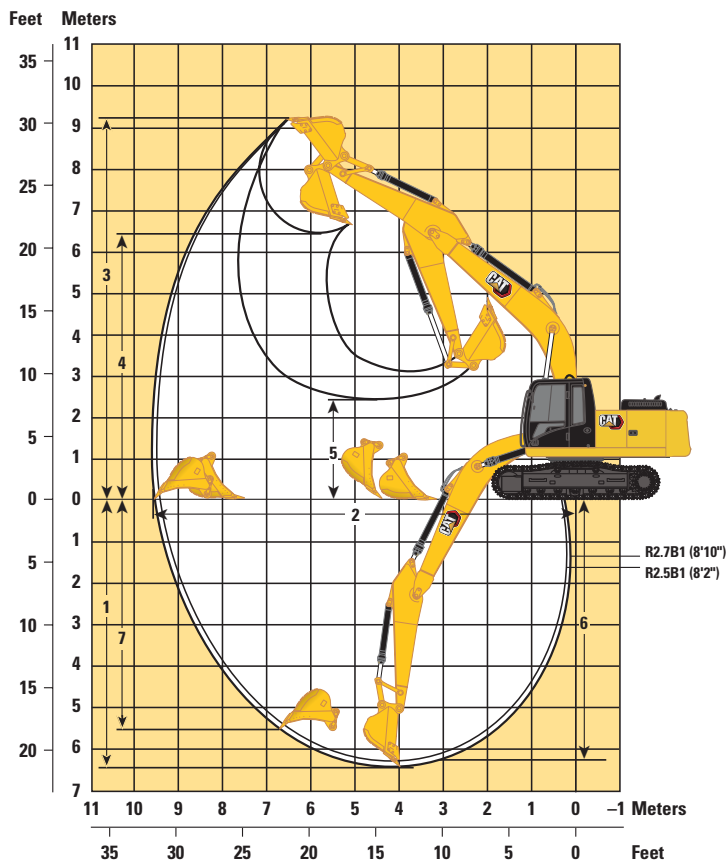
GD

Bucket Capacity	1.00 m <sup>3</sup>	1.31 yd <sup>3</sup>	0.93 m <sup>3</sup>	1.22 yd <sup>3</sup>
Bucket Tip Radius	1490 mm	4'11"	1495 mm	4'11"

# 320 GX Hydraulic Excavator Specifications

## Working Ranges and Forces

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



### Boom Option

**Reach Boom**  
5.7 m (18'8")

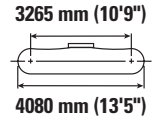
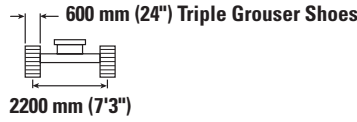
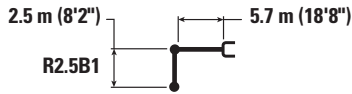
### Stick Options












**Reach Stick**

	R2.5B1 (8'2")		R2.7B1 (8'10")	
	mm	ft/in	mm	ft/in
<b>1</b> Maximum Digging Depth	6310 mm	20'8"	6430 mm	21'1"
<b>2</b> Maximum Reach at Ground Line	9470 mm	31'1"	9580 mm	31'5"
<b>3</b> Maximum Cutting Height	9240 mm	30'4"	9290 mm	30'6"
<b>4</b> Maximum Loading Height	6280 mm	20'7"	6450 mm	21'2"
<b>5</b> Minimum Loading Height	2580 mm	8'6"	2460 mm	8'1"
<b>6</b> Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	6120 mm	20'1"	6250 mm	20'6"
<b>7</b> Maximum Vertical Wall Digging Depth	5380 mm	17'8"	5510 mm	18'1"
Minimum Working Equipment Radius	3700 mm	12'2"	3680 mm	12'1"
Bucket Digging Force (ISO)	130 kN	29,225 lbf	136 kN	30,597 lbf
Stick Digging Force (ISO)	110 kN	24,729 lbf	106 kN	23,897 lbf
Bucket Type	GD		GD	
Bucket Capacity	1.00 m <sup>3</sup>	1.31 yd <sup>3</sup>	0.93 m <sup>3</sup>	1.22 yd <sup>3</sup>
Bucket Tip Radius	1572 mm	5'2"	1495 mm	4'11"

# 320 GX Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 3.6 mt (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 <b>*10,100</b>	*4550 <b>*10,100</b>	5.59 <b>17'11"</b>
6.0 m 20'0"	kg lb					*5400 <b>*11,850</b>	4400 <b>9,450</b>				*4150 <b>*9,150</b>	3550 <b>7,900</b>	6.82 <b>22'2"</b>
4.5 m 15'0"	kg lb			*6800 <b>*14,600</b>	6600 <b>14,250</b>	*5850 <b>*12,700</b>	4250 <b>9,200</b>	4400	3000		*4050 <b>*8,950</b>	2950 <b>6,550</b>	7.56 <b>24'9"</b>
3.0 m 10'0"	kg lb			*8550 <b>*18,350</b>	6100 <b>13,200</b>	6100 <b>13,050</b>	4050 <b>8,750</b>	4350	2950		3950 <b>8,700</b>	2650 <b>5,850</b>	7.96 <b>26'1"</b>
1.5 m 5'0"	kg lb			9000 <b>19,400</b>	5700 <b>12,300</b>	5850 <b>12,600</b>	3850 <b>8,300</b>	4250 <b>9,100</b>	2850 <b>6,100</b>		3800 <b>8,400</b>	2550 <b>5,600</b>	8.05 <b>26'5"</b>
0 m 0'0"	kg lb			8800 <b>18,900</b>	5500 <b>11,850</b>	5700 <b>12,250</b>	3750 <b>8,050</b>	4150 <b>8,950</b>	2800 <b>5,950</b>		3900 <b>8,600</b>	2600 <b>5,750</b>	7.86 <b>25'9"</b>
-1.5 m -5'0"	kg lb	*10 500 <b>*23,900</b>	*10 400 <b>22,250</b>	8750 <b>18,800</b>	5500 <b>11,800</b>	5650 <b>12,150</b>	3700 <b>7,950</b>				4300 <b>9,450</b>	2850 <b>6,250</b>	7.35 <b>24'1"</b>
-3.0 m -10'0"	kg lb	*13 350 <b>*28,900</b>	10 550 <b>22,650</b>	8850 <b>19,000</b>	5550 <b>11,950</b>	5750 <b>12,350</b>	3750 <b>8,100</b>				5200 <b>11,500</b>	3450 <b>7,600</b>	6.46 <b>21'1"</b>
-4.5 m -15'0"	kg lb			*7250 <b>*15,200</b>	5800 <b>12,550</b>						*6250 <b>*13,750</b>	5050 <b>11,450</b>	4.98 <b>16'0"</b>



ISO 10567



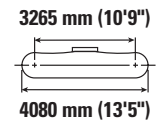
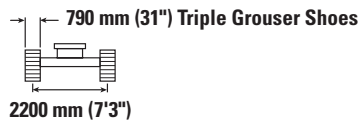
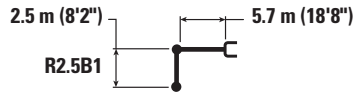
\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

## Reach Boom Lift Capacities – Counterweight: 3.6 mt (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 <b>*10,100</b>	*4550 <b>*10,100</b>	5.59 <b>17'11"</b>
6.0 m 20'0"	kg lb					*5400 <b>*11,850</b>	4500 <b>9,700</b>			*4150 <b>*9,150</b>	3650 <b>8,150</b>	6.82 <b>22'2"</b>
4.5 m 15'0"	kg lb			*6800 <b>*14,600</b>	6800 <b>14,600</b>	*5850 <b>*12,700</b>	4400 <b>9,450</b>	4550	3100	*4050 <b>*8,950</b>	3050 <b>6,700</b>	7.56 <b>24'9"</b>
3.0 m 10'0"	kg lb			*8550 <b>*18,350</b>	6300 <b>13,550</b>	6250 <b>13,450</b>	4200 <b>9,000</b>	4450 <b>9,600</b>	3000 <b>6,450</b>	*4100 <b>*9,000</b>	2750 <b>6,050</b>	7.96 <b>26'1"</b>
1.5 m 5'0"	kg lb			9300 <b>19,950</b>	5850 <b>12,650</b>	6050 <b>12,950</b>	4000 <b>8,550</b>	4350 <b>9,400</b>	2900 <b>6,300</b>	3950 <b>8,650</b>	2650 <b>5,800</b>	8.05 <b>26'5"</b>
0 m 0'0"	kg lb			9050 <b>19,450</b>	5650 <b>12,200</b>	5900 <b>12,650</b>	3850 <b>8,300</b>	4300 <b>9,250</b>	2850 <b>6,150</b>	4050 <b>8,850</b>	2700 <b>5,900</b>	7.86 <b>25'9"</b>
-1.5 m -5'0"	kg lb	*10 500 <b>*23,250</b>	*10 500 <b>22,900</b>	9000 <b>1,950</b>	5650 <b>12,150</b>	5850 <b>12,550</b>	3800 <b>8,200</b>			4400 <b>9,750</b>	2950 <b>6,450</b>	7.35 <b>24'1"</b>
-3.0 m -10'0"	kg lb	*13 350 <b>*28,900</b>	10 850 <b>23,300</b>	9100 <b>19,600</b>	5750 <b>12,300</b>	5900 <b>12,700</b>	3850 <b>8,350</b>			5350 <b>11,850</b>	3550 <b>7,800</b>	6.46 <b>21'1"</b>
-4.5 m -15'0"	kg lb			*7250 <b>*15,200</b>	5950 <b>12,900</b>					*6250 <b>*13,750</b>	5200 <b>11,800</b>	4.98 <b>16'0"</b>



ISO 10567



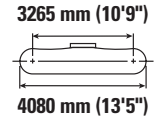
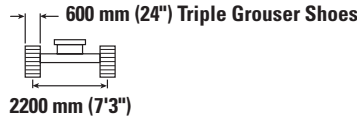
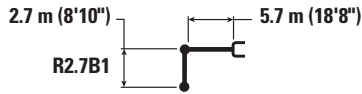
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










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

## Reach Boom Lift Capacities – Counterweight: 3.6 mt (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	4450 9,500			*3800 *8,350	3400 7,550	7.04 22'11"
4.5 m 15'0"	kg lb					*5650 *12,300	4300 9,250	4450 9,500	3000 6,450	*3700 *8,200	2850 6,250	7.76 25'5"
3.0 m 10'0"	kg lb			*8250 *17,800	6150 13,300	6100 13,100	4100 8,800	4350 9,300	2950 6,300	*3800 *8,350	2550 5,650	8.14 26'8"
1.5 m 5'0"	kg lb			9050 19,450	5750 12,350	5850 12,600	3850 8,350	4250 9,100	2850 6,100	3700 8,100	2450 5,400	8.24 27'0"
0 m 0'0"	kg lb	*5200 *12,100	*5200 *12,100	8800 18,900	5500 11,850	5700 12,250	3750 8,000	4150 8,950	2750 5,950	3750 8,300	2500 5,500	8.05 26'5"
-1.5 m -5'0"	kg lb	*10 250 *23,250	*10 250 22,100	8750 18,750	5450 11,750	5650 12,150	3650 7,900	4150 9,100	2750 6,100	4100 9,050	2750 6,000	7.56 24'9"
-3.0 m -10'0"	kg lb	*13 750 *29,800	10 500 22,500	8800 18,950	5500 11,900	5700 12,250	3700 8,000			4900 10,900	3250 7,200	6.70 21'10"
-4.5 m -15'0"	kg lb	*10 650 *22,800	*10 650 *22,800	*7700 *16,300	5750 12,400					*6250 *13,650	4600 10,450	5.28 17'0"



ISO 10567



\*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.

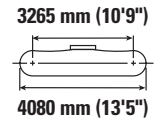
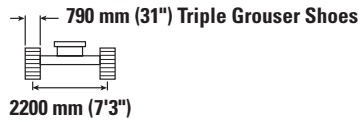
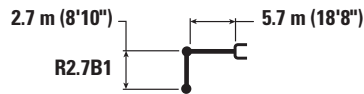
Lift capacity stays with ±5% for all available track shoes.












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



# 320 GX Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 3.6 mt (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	4550 9,750			*3800 *8,350	3450 7,750	7.04 22'11"
4.5 m 15'0"	kg lb					*5650 *12,300	4400 9,450	4550 9,750	3100 6,650	*3700 *8,200	2900 6,450	7.76 25'5"
3.0 m 10'0"	kg lb			*8250 *17,800	6350 13,650	6250 13,450	4200 9,000	4450 9,600	3000 6,450	*3800 *8,350	2650 5,800	8.14 26'8"
1.5 m 5'0"	kg lb			9300 20,000	5900 12,700	6050 12,950	4000 8,550	4350 9,350	2900 6,250	3800 8,350	2550 5,600	8.24 27'0"
0 m 0'0"	kg lb	*5200 *12,100	*5200 *12,100	9050 19,450	5650 12,200	5850 12,650	3850 8,250	4300 9,200	2850 6,100	3900 8,550	2600 5,700	8.05 26'5"
-1.5 m -5'0"	kg lb	*10 250 *23,250	*10 250 22,700	9000 19,300	5600 12,050	5800 12,500	3800 8,150	4250 9,300	2850 6,200	4250 9,300	2800 6,200	7.56 24'9"
-3.0 m -10'0"	kg lb	*13 750 *29,800	10 800 23,100	9100 19,500	5600 12,250	5850 12,600	3800 8,250			5050 11,200	3350 7,400	6.70 21'10"
-4.5 m -15'0"	kg lb	*10 650 *22,800	*10 650 *22,800	*7700 *16,300	5800 12,750					*6250 *13,650	4750 10,700	5.28 17'0"



ISO 10567



\*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 – Africa and Middle East

	Linkage	Counterweight							3.6 mt (7,940 lb)	
		Width		Capacity		Weight		Fill	Reach Boom	
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb	%	R2.5 m (8'2")	R2.7 m (8'10")
<b>Pin-On (No Quick Coupler)</b>										
General Duty	B	1200	49	0.90	1.18	766	1,689	100	●	●
	B	1150	46	0.90	1.18	782	1,724	100	●	●
	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	2580
								lb	5,776	5,688

## Bucket Specifications and Compatibility – Indonesia, South America and Southeast Asia

	Linkage	Counterweight							3.6 mt (7,940 lb)	
		Width		Capacity		Weight		Fill	Reach Boom	
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb	%	R2.5 m (8'2")	R2.7 m (8'10")
<b>Pin-On (No Quick Coupler)</b>										
General Duty	B	1200	47	0.93	1.22	766	1,689	100	●	●
	B	1150	46	0.90	1.18	782	1,724	100	●	●
	B	1050	41	0.90	1.18	744	1,640	100	●	●
	B	1050	42	1.00	1.31	793	1,748	100	⊙	X
Maximum load with pin-on (payload + bucket)								kg	2620	2580
								lb	5,776	5,688

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

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

X Not Recommended

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 – Africa and Middle East

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

<input checked="" type="checkbox"/> Match	<input type="checkbox"/> * Working range front only	<input type="checkbox"/> † Allowed usage on machine less than 50%	<input type="checkbox"/> No Match	<input checked="" type="checkbox"/> 1800 kg/m <sup>3</sup> (3,000 lb/yd <sup>3</sup> )	<input type="checkbox"/> 1200 kg/m <sup>3</sup> (2,000 lb/yd <sup>3</sup> )
-------------------------------------------	-----------------------------------------------------	-------------------------------------------------------------------	-----------------------------------	-------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------

### PIN-ON ATTACHMENTS

Counterweight		3.6 mt (7,940 lb)	
Boom Type		Reach Boom	
Stick Length		2.5 m (8'2")	2.7 m (8'10")
Hydraulic Hammers	H115 S	✓	✓
	H120 GC	✓	✓
	H120 GC S	✓	✓
	H120 S	✓	✓
	H130 GC	✓†*	
	H130 GC S	✓†	
	H130 S	✓†	✓†
Multi-Processors	MP318 Concrete Cutter Jaw	✓	✓
	MP318 Demolition Jaw	✓	✓
	MP318 Pulverizer Jaw	✓	✓*
	MP318 Shear Jaw	✓	✓
	MP318 Universal Jaw	✓	✓
Demolition and Sorting Grapples	G317 GC	✓	✓
	G318	✓	✓
	G318 WH-800	✓	✓
	G318 WH-1100	✓*	
Pulverizers	P218 Secondary Pulverizer	✓	✓*
	P318 Primary Pulverizer	✓	✓*
Crushers	P315	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓
Orange Peel Grapples	GSH420-500	●	●
	GSH420-600	●	●
	GSH420-750	○	○
	GSH425-750	○	
	GSH520-500	●	●
	GSH520-600	●	○
	GSH520-750	○	○
	GSV520-400	●	●
	GSV520-500	●	●
	GSV520-600	●	●
	GSV520-750	○	○
	GSV520 GC-400	●	●
	GSV520 GC-500	●	●
	GSV520 GC-600	●	●
	GSV520 GC-750	○	○
GSV525-600	○		
Hydraulic Transfer Grab	CTV15-1000	○	

(continued on next page)

# 320 GX Hydraulic Excavator Specifications

## Attachments Offering Guide – Africa and Middle East *(continued)*

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

### CAT PIN GRABBER COUPLER ATTACHMENTS

Counterweight		3.6 mt (7,940 lb)	
Boom Type		Reach Boom	
Stick Length		2.5 m (8'2")	2.7 m (8'10")
Hydraulic Hammers	H115 S	✓	✓
	H120 GC	✓†	✓†
	H120 GC S	✓†	✓†
	H120 S	✓†	✓†
	H130 S	✓†	✓†*
Demolition and Sorting Grapples	G317 GC	✓*	✓*
Compactors (Vibratory Plate)	CVP110	✓	✓

### CW-40S DEDICATED COUPLER ATTACHMENTS

Counterweight		3.6 mt (7,940 lb)	
Boom Type		Reach Boom	
Stick Length		2.5 m (8'2")	2.7 m (8'10")
Hydraulic Hammers	H115 S	✓	✓
	H120 GC S	✓†	✓†
	H120 S	✓†	✓†
	H130 S	✓†	✓†
Multi-Processors	MP318 Concrete Cutter Jaw	✓*	✓*
	MP318 Demolition Jaw	✓*	
	MP318 Shear Jaw	✓	✓*
	MP318 Universal Jaw	✓*	
Demolition and Sorting Grapples	G317 GC	✓	✓
	G318	✓	✓*
	G318 WH-800	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓

*(continued on next page)*

# 320 GX Hydraulic Excavator Specifications

## Attachments Offering Guide – Africa and Middle East (continued)

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

### CW-40 DEDICATED COUPLER ATTACHMENTS

Counterweight		3.6 mt (7,940 lb)	
Boom Type		Reach Boom	
Stick Length		2.5 m (8'2")	2.7 m (8'10")
Hydraulic Hammers	H115 S	✓	✓
	H120 GC	✓†	✓†
	H120 GC S	✓†	✓†
	H120 S	✓†	✓†
	H130 S	✓†	✓†
Multi-Processors	MP318 Concrete Cutter Jaw	✓*	✓*
	MP318 Demolition Jaw	✓*	
	MP318 Shear Jaw	✓	✓*
	MP318 Universal Jaw	✓*	
Demolition and Sorting Grapples	G317 GC	✓	✓
	G317 GC Fixed CAN	✓	✓
	G318	✓*	✓*
	G318 Fixed CAN	✓	✓*
	G318 WH-800	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓

### BOOM-MOUNT ATTACHMENTS

Counterweight		3.6 mt (7,940 lb)	
Boom Type		Reach Boom	
Mobile Scrap and Demolition Shears	S2050		✓*
	S3035 Flat Top		✓

# 320 GX Hydraulic Excavator Specifications

## Attachments Offering Guide – South America

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    
  1800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)    
  1200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)

### PIN-ON ATTACHMENTS

Counterweight		3.6 mt (7,940 lb)	
Boom Type		Reach Boom	
Stick Length		2.5 m (8'2")	2.7 m (8'10")
Hydraulic Hammers	H115 S	✓	✓
	H120 GC	✓	✓
	H120 GC Side Mount	✓	✓
	H120 GC S	✓	✓
	H120 S	✓	✓
	H130 GC	✓†*	
	H130 GC S	✓†	
	H130 S	✓†	✓†
Multi-Processors	MP318 Concrete Cutter Jaw	✓	✓
	MP318 Demolition Jaw	✓	✓
	MP318 Pulverizer Jaw	✓	✓*
	MP318 Shear Jaw	✓	✓
	MP318 Universal Jaw	✓	✓
Demolition and Sorting Grapples	G318	✓	✓
Pulverizers	P218 Secondary Pulverizer	✓	✓*
	P318 Primary Pulverizer	✓	✓*
Compactors (Vibratory Plate)	CVP110	✓	✓
Orange Peel Grapples	GSH420-500	●	●
	GSH420-600	●	●
	GSH420-750	○	○
	GSH425-750	○	
	GSH520-500	●	○
	GSH520-600	●	○
	GSH520-750	○	○

(continued on next page)

# 320 GX Hydraulic Excavator Specifications

## Attachments Offering Guide – South America (continued)

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%

### CAT PIN GRABBER COUPLER ATTACHMENTS

Counterweight		3.6 mt (7,940 lb)	
Boom Type		Reach Boom	
Stick Length		2.5 m (8'2")	2.7 m (8'10")
Hydraulic Hammers	H115 S	✓	✓
	H120 GC	✓†	✓†
	H120 GC Side Mount	✓†	✓†
	H120 GC S	✓†	✓†
	H120 S	✓†	✓†
	H130 S	✓†	✓†*
Pulverizers	P215	✓*	✓*
Compactors (Vibratory Plate)	CVP110	✓	✓

### BOOM-MOUNT ATTACHMENTS

Counterweight		3.6 mt (7,940 lb)	
Boom Type		Reach Boom	
Mobile Scrap and Demolition Shears	S2050		✓*
	S3035 Flat Top		✓

# 320 GX Hydraulic Excavator Specifications

## Attachments Offering Guide – Southeast Asia and Indonesia

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

Match

† Allowed usage on machine less than 50%

### PIN-ON ATTACHMENTS

<b>Counterweight</b>		<b>3.6 mt (7,940 lb)</b>
<b>Boom Type</b>		<b>Reach Boom</b>
<b>Stick Length</b>		<b>2.7 m (8'10")</b>
Hydraulic Hammers	H115 S	✓
	H120 GC	✓
	H120 GC S	✓
	H120 S	✓
	H130 S	✓†
Compactors (Vibratory Plate)	CVP110	✓



# 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>ENGINE (CONTINUED)</b>		
5.7 m (18'8") Reach boom	✓		Electric fuel priming pump	✓	
2.5 m (8'2") Reach stick <sup>(1)</sup>		✓	Direct drive fan	✓	
2.7 m (8'10") Reach stick <sup>(2)</sup>	✓		Two-stage fuel filtration system with water separator and indicator	✓	
Bucket linkage with lifting eye, B1 type	✓		Sealed double element air filter with precleaner	✓	
<b>CAB</b>			Biodiesel capability up to B20	✓	
Sound suppressed cab with viscous mounts	✓		Biodiesel capability up to B40 <sup>(4)</sup>		✓
High-resolution 203 mm (8") LCD touchscreen monitor	✓		<b>HYDRAULIC SYSTEM</b>		
Mechanically adjustable seat with headrest	✓		Electronic main control valve, hammer ready	✓	
Automatic bi-level air conditioner	✓		Back-to-back electronic pumps	✓	
Keyless push-to-start engine control	✓		High performance hydraulic return filter	✓	
Console with seven-position engine dial	✓		Hammer return filter <sup>(1)</sup>		✓
Floor mounted adjustable consoles	✓		Boom and stick regeneration circuits	✓	
1-button joysticks	✓		Automatic hydraulic oil warm-up	✓	
3-button joysticks		✓	Automatic two-speed travel	✓	
AM/FM radio with USB and aux port	✓		Hammer lines		✓
24V DC outlet	✓		<b>SAFETY AND SECURITY</b>		
Cup holder and storage compartments	✓		Anti-skid plating with countersunk bolts	✓	
70/30 tempered glass windshield	✓		FOGS with matching lights		✓
Upper radial wiper with washer	✓		Handrail and handhold (ISO compliant)	✓	
Openable steel hatch	✓		Lockable external tool/storage box	✓	
Dome light	✓		Ground-level secondary engine shutoff switch	✓	
Washable floor mat	✓		Signaling/warning horn	✓	
<b>CAT TECHNOLOGY</b>			Hydraulic lockout lever	✓	
Cat Product Link™	✓		Rearview camera		✓
<b>ELECTRICAL SYSTEM</b>			Travel alarm <sup>(5)</sup>		✓
Two 750 CCA maintenance-free batteries	✓		<b>SERVICE AND MAINTENANCE</b>		
Electrical disconnect switch	✓		Grouped engine oil and fuel filters	✓	
Chassis and cab lights	✓		S-O-S <sup>SM</sup> sampling ports	✓	
Right-side boom light <sup>(3)</sup>		✓	Radiator screen		✓
Left-side boom light	✓		<b>UNDERCARRIAGE AND STRUCTURES</b>		
<b>ENGINE</b>			600 mm (24") triple grouser shoes		✓
Cat C4.4 single turbo Tier 3 equivalent diesel engine	✓		790 mm (31") triple grouser shoes		✓
Two selectable modes: Power, Smart	✓		Grease lubricated track link	✓	
Up to 4500 m (14,764 ft) altitude capability with derate from 3000 m (9,842 ft)	✓		Center track guiding guard	✓	
52° C (125° F) high-ambient cooling capacity	✓		Bottom guards	✓	
-18° C (-0.4° F) cold start capability	✓		Travel motor guards	✓	
			3.6 mt (7,940 lb) counterweight	✓	
			Tie-down points	✓	

<sup>(1)</sup>Africa, Middle East and South America only

<sup>(2)</sup>Standard Indonesia and Southeast Asia; Optional Africa, Middle East and South America

<sup>(3)</sup>Indonesia, Southeast Asia and South America only

<sup>(1)</sup>Africa, Middle East and South America only

<sup>(4)</sup>Indonesia, or if mandated by law.

<sup>(5)</sup>Standard South America

# 320 GX Hydraulic Excavator Specifications

## Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

### 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

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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AEXQ3221 (06-2021)  
Build Number: 05A  
(Afr-ME, S Am [except  
Brazil], SE Asia)

