



# 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 .....	7
Reach Boom Lift Capacities .....	9
HD Reach Boom Lift Capacities .....	13
Bucket Specifications and Compatibility .....	21
Attachments Offering Guide .....	22
<b>Standard and Optional Equipment</b> .....	<b>23</b>
<b>Dealer Installed Kits and Attachments</b> .....	<b>25</b>
<b>320 GX Environmental Declaration</b> .....	<b>26</b>

# 320 GX Hydraulic Excavator Specifications

## Engine

Engine Model	Cat® C4.4	
Net Power		
ISO 9249	103.6 kW	139 hp
ISO 9249 (DIN)	141 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 <sup>3</sup>
Biodiesel Capability	Up to B20 <sup>(1)</sup>	

- Cat C4.4 engine meets UN ECE R96 Stage IIIA 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).
- 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 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 (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.

\*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.

## 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

## Standards

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

\*Mandatory in Kingdom of Saudi Arabia; Optional in other regions.

## Swing Mechanism

Swing Speed*	11.07 rpm
Maximum Swing Torque	74 kN·m 54,580 lbf·ft

\*For CE-marked machine default value may be set lower.

## Weights

Operating Weight (non-ROPS)	19 800 kg	43,700 lb
Protective Structure [ROPS]		

- 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.

Operating Weight (ROPS)	19 900 kg	43,900 lb
Protective Structure (ROPS)		

- Standard undercarriage, Reach boom, R2.7 (8'9") stick, 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.

Operating Weight (non-ROPS)	20 800 kg	45,900 lb
Protective Structure (non-ROPS)		

- Medium undercarriage, Heavy Duty (HD) Reach boom, HD R2.9 (9'3") stick, HD 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.

## Sound Performance

ISO 6395:2008 (External)	102 dB(A)
ISO 6396:2008 (Inside Cab)	70 dB(A)
<ul style="list-style-type: none"> <li>External Sound – The spectator sound power level is measured according to the test procedures and conditions specified in ISO 6395:2008 for a Cat machine that is properly equipped and maintained.</li> </ul>	
<ul style="list-style-type: none"> <li>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.</li> </ul>	
<ul style="list-style-type: none"> <li>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).</li> </ul>	

## 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 1.216 metric tonnes.

## Operating Weights and Ground Pressures

Base Machine Configurations	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 Frame with Track Rollers and Carrier Rollers</b>				
<b>3600 kg (7,940 lb) Counterweight + Standard Undercarriage Base Machine (non-ROPS)</b>				
Reach Boom + R2.7B1 (8'9") Stick + 1.00 m <sup>3</sup> (1.31 yd <sup>3</sup> ) GD Bucket	19 800 (43,700)	45.6 (6.6)	20 400 (45,000)	35.7 (5.2)
<b>3600 kg (7,940 lb) Counterweight + Standard Undercarriage Base Machine (ROPS)</b>				
Reach Boom + R2.7B1 (8'9") Stick + 1.00 m <sup>3</sup> (1.31 yd <sup>3</sup> ) GD Bucket	19 900 (43,900)	45.8 (6.6)	20 500 (45,200)	35.8 (5.2)
<b>3600 kg (7,940 lb) Counterweight + Medium Undercarriage Base Machine (non-ROPS)</b>				
HD Reach Boom + R2.5B1 (8'2") Stick + 1.00 m <sup>3</sup> (1.31 yd <sup>3</sup> ) HD Bucket	20 700 (45,600)	47.6 (6.9)	21 200 (46,700)	37.1 (5.4)
HD Reach Boom + R2.7B1 (8'9") Stick + 1.00 m <sup>3</sup> (1.31 yd <sup>3</sup> ) HD Bucket	20 700 (45,600)	47.6 (6.9)	21 200 (46,700)	37.1 (5.4)
HD Reach Boom + HD R2.7B1 (8'9") Stick + 1.00 m <sup>3</sup> (1.31 yd <sup>3</sup> ) HD Bucket	20 800 (45,900)	47.9 (6.9)	21 300 (47,000)	37.2 (5.4)
HD Reach Boom + HD R2.9B1 (9'6") Stick + 1.00 m <sup>3</sup> (1.31 yd <sup>3</sup> ) HD Bucket	20 800 (45,900)	47.9 (6.9)	21 400 (47,200)	37.4 (5.4)

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

# 320 GX Hydraulic Excavator Specifications

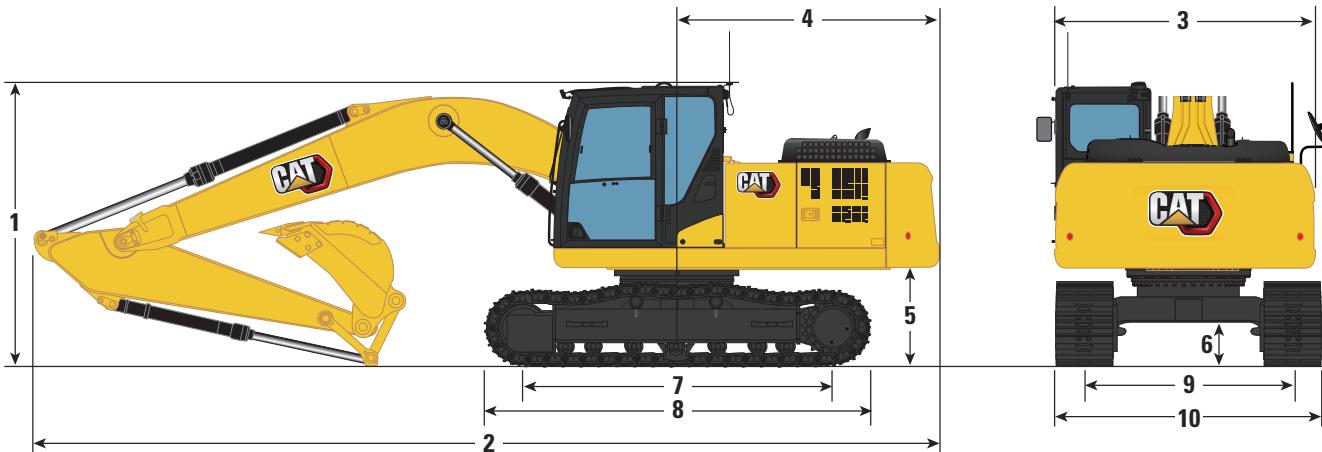
## Major Component Weights

	kg	lb
Base Machine without ROPS (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).	13 570	29,910
Base Machine with ROPS (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).	13 670	30,130
Base Machine without ROPS (with 3600 kg [7,940 lb] counterweight, upper frame, medium 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).	13 770	30,340
Track Shoes:		
600 mm (24") Width, 8.5 mm (0.33") Thick Triple Grouser Track Shoes for Standard Undercarriage	2390	5,270
790 mm (31") Width, 10 mm (0.39") Thick Triple Grouser Track Shoes for Standard Undercarriage	3010	6,640
600 mm (24") Width, 10 mm (0.39") Thick Triple Grouser Track Shoes for Medium Undercarriage	2700	5,950
790 mm (31") Width, 10 mm (0.39") Thick Triple Grouser Track Shoes for Medium Undercarriage	3220	7,090
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	7,940
Boom (including cylinder lines, pins, stick cylinder):		
Reach Boom 5.7 m (18'8")	1650	3,600
HD Reach Boom 5.7 m (18'8")	1870	4,120
High Pressure (HP) tool control lines for Reach Boom 5.7 m (18'8")	80	180
HP tool control lines for HD 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
HD Reach Stick R2.7B1 (8'9")	1110	2,440
HD Reach Stick R2.9B1 (9'6")	1160	2,560
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
HP tool control lines for HD Reach Stick R2.9B1 (9'6")	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
1.00 m <sup>3</sup> (1.31 yd <sup>3</sup> ) GD with Advansys Tips	790	1,750
1.00 m <sup>3</sup> (1.31 yd <sup>3</sup> ) HD with Advansys Tips	960	2,100

# 320 GX Hydraulic Excavator Specifications

## Dimensions

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

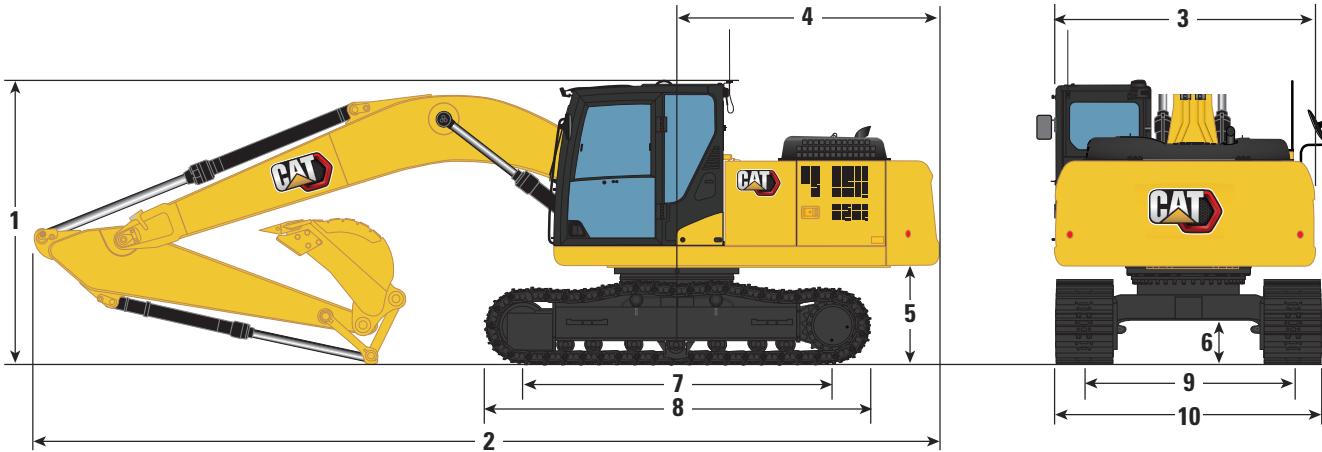


Undercarriage	Standard			
Boom Option	Reach Boom 5.7 m (18'8")			
Stick Options	Reach Stick			
	R2.5B1 (8'2")			
	R2.7B1 (8'9")			
<b>1</b> Machine Height				
Top of Cab Height	2960 mm	9'9"	2960 mm	9'9"
Top of OPG Height	3150 mm	10'4"	3150 mm	10'4"
Handrail Height	3010 mm	9'11"	3010 mm	9'11"
With Boom/Stick/Bucket Installed	3240 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"
<b>2</b> 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"
<b>3</b> Upperframe Width	2740 mm	9'0"	2740 mm	9'0"
<b>4</b> Tail Swing Radius	2830 mm	9'3"	2830 mm	9'3"
<b>5</b> Counterweight Clearance	1040 mm	3'5"	1040 mm	3'5"
<b>6</b> Ground Clearance	460 mm	1'6"	460 mm	1'6"
<b>7</b> Track Length – Length to Center of Rollers	3270 mm	10'9"	3270 mm	10'9"
<b>8</b> Track Length – Crawler Overall Length	4080 mm	13'5"	4080 mm	13'5"
<b>9</b> Track Gauge	2200 mm	7'3"	2200 mm	7'3"
<b>10</b> 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>	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

## Dimensions (continued)

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

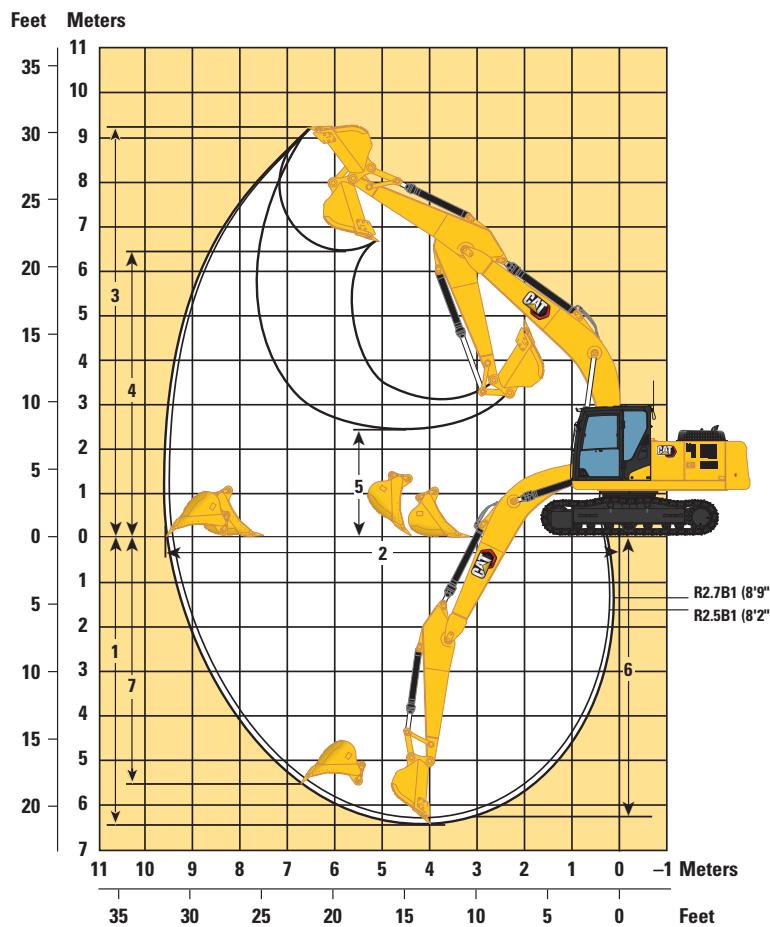


Undercarriage		Medium						
Boom Option		Reach Stick			HD Reach Stick			
Stick Options		R2.5B1 (8'2")	R2.7B1 (8'9")	HD R2.7B1 (8'9")	HD R2.9B1 (9'6")			
<b>1</b> Machine Height								
Top of Cab Height	2960 mm	9'9"						
Top of OPG Height	3150 mm	10'4"						
Handrail Height	3010 mm	9'11"						
With Boom/Stick/Bucket Installed	3235 mm	10'7"						
With Boom/Stick Installed	3010 mm	9'11"						
With Boom Installed	3010 mm	9'11"						
<b>2</b> Machine Length								
With Boom/Stick/Bucket Installed	9580 mm	31'5"	9570 mm	31'5"	9570 mm	31'5"	9520 mm	31'3"
With Boom/Stick Installed	9540 mm	31'4"	9560 mm	31'4"	9560 mm	31'4"	9510 mm	31'2"
With Boom Installed	8510 mm	27'11"	8510 mm	27'11"	8510 mm	27'11"	8500 mm	27'11"
<b>3</b> Upperframe Width	2740 mm	9'0"						
<b>4</b> Tail Swing Radius	2830 mm	9'3"						
<b>5</b> Counterweight Clearance	1050 mm	3'5"						
<b>6</b> Ground Clearance	470 mm	1'7"						
<b>7</b> Track Length – Length to Center of Rollers	3450 mm	11'4"						
<b>8</b> Track Length – Crawler Overall Length	4250 mm	13'11"						
<b>9</b> Track Gauge								
<b>10</b> Undercarriage Width	2380 mm	7'10"						
600 mm (24") Shoes	2980 mm	9'9"						
790 mm (31") Shoes	3170 mm	10'5"						
Bucket Type	HD		HD		HD		HD	
Bucket Capacity	1.00 m <sup>3</sup>	1.31 yd <sup>3</sup>						
Bucket Tip Radius	1576 mm	5'2"						

# 320 GX Hydraulic Excavator Specifications

## Working Ranges and Forces

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



### Undercarriage

### Standard

#### Boom Option

Reach Boom  
5.7 m (18'8")

#### Stick Options

#### Reach Stick

##### R2.5B1 (8'2")

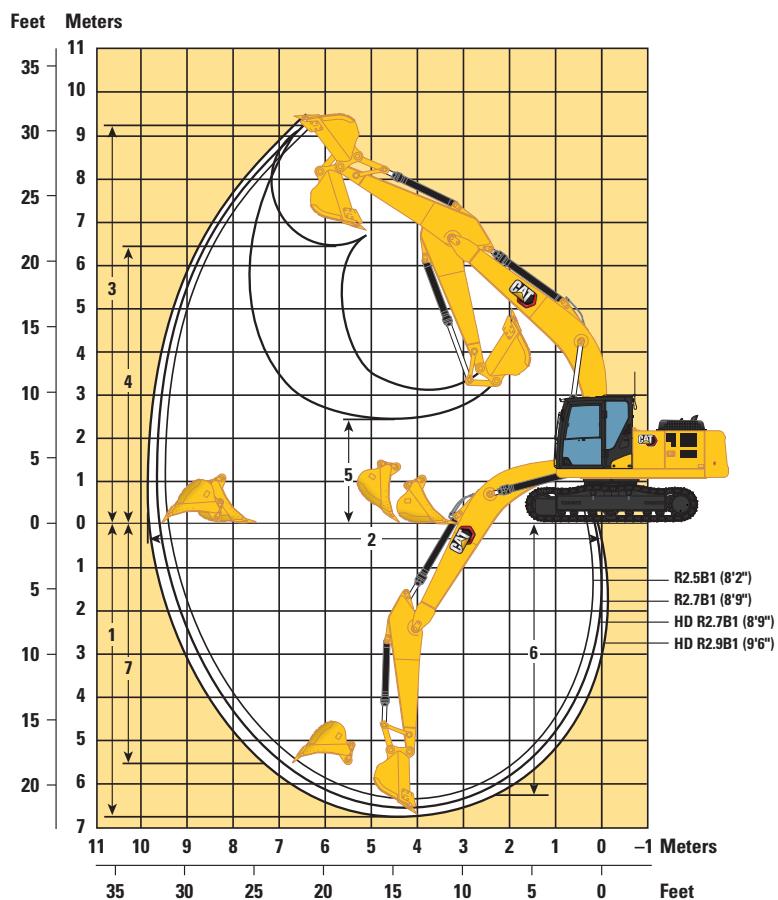
##### R2.7B1 (8'9")

1 Maximum Digging Depth	6310 mm	20'8"	6430 mm	21'1"
2 Maximum Reach at Ground Line	9470 mm	31'1"	9580 mm	31'5"
3 Maximum Cutting Height	9240 mm	30'4"	9290 mm	30'6"
4 Maximum Loading Height	6280 mm	20'7"	6450 mm	21'2"
5 Minimum Loading Height	2580 mm	8'6"	2460 mm	8'1"
6 Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	6120 mm	20'1"	6250 mm	20'6"
7 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	29,230 lbf	136 kN	30,570 lbf
Stick Digging Force (ISO)	110 kN	24,730 lbf	106 kN	23,830 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

## Working Ranges and Forces (continued)

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



Undercarriage		Medium					
Boom Option		HD Reach Boom HD 5.7 m (18'8")					
Stick Options		Reach Stick			HD Reach Stick		
		R2.5B1 (8'2")		R2.7B1 (8'9")		HD R2.7B1 (8'9")	HD R2.9B1 (9'6")
1	Maximum Digging Depth	6310 mm	20'8"	6510 mm	21'4"	6510 mm	21'4"
2	Maximum Reach at Ground Line	9470 mm	31'1"	9660 mm	31'8"	9660 mm	31'8"
3	Maximum Cutting Height	9240 mm	30'4"	9340 mm	30'8"	9340 mm	30'8"
4	Maximum Loading Height	6280 mm	20'7"	6380 mm	20'11"	6380 mm	20'11"
5	Minimum Loading Height	2580 mm	8'6"	2380 mm	7'10"	2380 mm	7'10"
6	Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	6120 mm	20'1"	6330 mm	20'9"	6330 mm	20'9"
7	Maximum Vertical Wall Digging Depth	5380 mm	17'8"	5520 mm	18'1"	5520 mm	18'1"
Minimum Working Equipment Radius		3700 mm	12'2"	3680 mm	12'1"	3680 mm	12'1"
Bucket Digging Force (ISO)		130 kN	29,225 lbf	129 kN	29,000 lbf	129 kN	29,000 lbf
Stick Digging Force (ISO)		110 kN	24,729 lbf	105 kN	23,605 lbf	105 kN	23,605 lbf
Bucket Type		HD		HD		HD	
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>	1.00 m <sup>3</sup>	1.31 yd <sup>3</sup>
Bucket Tip Radius		1572 mm	5'2"	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

Standard Undercarriage

2.5 m (8'2")  
R2.5B1

5.7 m (18'8")

600 mm (24") Triple Grouser Shoes  
2200 mm (7'3")

3265 mm (10'9")  
4080 mm (13'5")

		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 *10,100
6.0 m 20'0"	kg lb					*5400 *11,850	4400 9,450			*4150 *9,150
4.5 m 15'0"	kg lb			*6800 *14,600	6600 14,250	*5850 *12,700	4250 9,200	4400 3000		*4050 *8,950
3.0 m 10'0"	kg lb			*8550 *18,350	6100 13,200	6100 13,050	4050 8,750	4350 9,300	2950 6,300	2950 6,550
1.5 m 5'0"	kg lb			9000 19,400	5700 12,300	5850 12,600	3850 8,300	4250 9,100	2850 6,100	2550 5,600
0 m 0'0"	kg lb			8800 18,900	5500 11,850	5700 12,250	3750 8,050	4150 8,950	3800 5,950	2650 5,750
-1.5 m -5'0"	kg lb	*10 500 *23,900	*10 400 22,250	8750 18,800	5500 11,800	5650 12,150	3700 7,950			2850 6,250
-3.0 m -10'0"	kg lb	*13 350 *28,900	10 550 22,650	8850 19,000	5550 11,950	5750 12,350	3750 8,100			3450 7,600
-4.5 m -15'0"	kg lb			*7250 *15,200	5800 12,550					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.

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



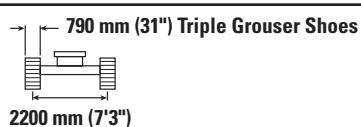
# 320 GX Hydraulic Excavator Specifications

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

Standard Undercarriage

2.5 m (8'2")  
R2.5B1

5.7 m (18'8")



3265 mm (10'9")  
4080 mm (13'5")

		3.0 m/10'0"		4.5 m/15'0"		6.0 m/20'0"		7.5 m/25'0"			
		L	TL	L	TL	L	TL	L	TL	m	ft/in
7.5 m 25'0"	kg lb									*4550 *10,100	*4550 *10,100
6.0 m 20'0"	kg lb					*5400 *11,850	4500 9,700			*4150 *9,150	3650 8,150
4.5 m 15'0"	kg lb			*6800 *14,600	6800 14,600	*5850 *12,700	4400 9,450	4550	3100	*4050 *8,950	3050 6,700
3.0 m 10'0"	kg lb			*8850 *18,350	6300 13,550	6250 13,450	4200 9,000	4450 9,600	3000 6,450	*4100 *9,000	2750 6,050
1.5 m 5'0"	kg lb			9300 19,950	5850 12,650	6050 12,950	4000 8,550	4350 9,400	2900 6,300	3950 8,650	2650 5,800
0 m 0'0"	kg lb			9050 19,450	5650 12,200	5900 12,650	3850 8,300	4300 9,250	2850 6,150	4050 8,850	2700 5,900
-1.5 m -5'0"	kg lb	*10 500 *23,250	*10 500 22,900	9000 1,950	5650 12,150	5850 12,550	3800 8,200			4400 9,750	2950 6,450
-3.0 m -10'0"	kg lb	*13 350 *28,900	10 850 23,300	9100 19,600	5750 12,300	5900 12,700	3850 8,350			5350 11,850	3550 7,800
-4.5 m -15'0"	kg lb			*7250 *15,200	5950 12,900					*6250 *13,750	5200 11,800



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.

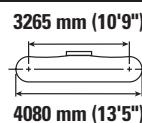
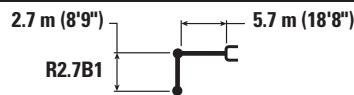
Lift capacity stays with  $\pm 5\%$  for all available track shoes.

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

# 320 GX Hydraulic Excavator Specifications

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

Standard Undercarriage



		3.0 m/10'0"		4.5 m/15'0"		6.0 m/20'0"		7.5 m/25'0"			
7.5 m 25'0"	kg lb									*4100 *9,150	*4100 *9,150
6.0 m 20'0"	kg lb					*5200 *11,350	4450 9,500			*3800 *8,350	3400 7,550
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
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
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
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
-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	2750	4100 9,050	2750 6,000
-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
-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



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.

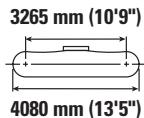
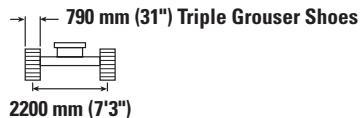
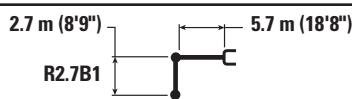
Lift capacity stays with  $\pm 5\%$  for all available track shoes.

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

# 320 GX Hydraulic Excavator Specifications

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

Standard Undercarriage



		3.0 m/10'0"		4.5 m/15'0"		6.0 m/20'0"		7.5 m/25'0"			
7.5 m 25'0"	kg lb									*4100 *9,150	*4100 *9,150
6.0 m 20'0"	kg lb					*5200 *11,350	4550 9,750			*3800 *8,350	3450 7,750
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
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
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
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
-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	2850	4250 9,300	2800 6,200
-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
-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
		*									



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.

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

# 320 GX Hydraulic Excavator Specifications

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

Medium Undercarriage

2.5 m (8'2")  
R2.5B1

5.7 m (18'8") HD



3265 mm (10'9")  
4080 mm (13'5")

		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 *10,150
6.0 m 20'0"	kg lb					*5350 *11,750	4900 10,450			*4200 *9,250
4.5 m 15'0"	kg lb			*6750 *14,550	*6750 *14,550	*5800 *12,600	4750 10,200	*4600	3300	*4100 *9,050
3.0 m 10'0"	kg lb			*8500 *18,250	6850 14,750	*6550 *14,200	4500 9,700	4750 10,150	3250 6,950	4200 9,250
1.5 m 5'0"	kg lb			10 000 21,450	6400 13,750	6400 13,800	4300 9,250	4600 9,950	3150 6,750	4150 9,150
0 m 0'0"	kg lb			9750 20,900	6150 13,250	6250 13,450	4150 8,900	4550 9,800	3050 6,600	4250 9,350
-1.5 m -5'0"	kg lb	*10 450 *23,800	*10 450 *23,800	9700 20,750	6100 13,150	6200 13,300	4100 8,800			4650 10,300
-3.0 m -10'0"	kg lb	*13 200 *28,600	12 050 25,750	*9600 *20,700	6200 13,350	6250 13,500	4150 8,950			5650 12,550
-4.5 m -15'0"	kg lb			*7150 *15,000	6450 13,950					*6200 *13,550



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.

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

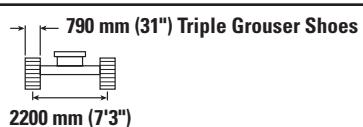
# 320 GX Hydraulic Excavator Specifications

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

Medium Undercarriage

2.5 m (8'2")  
R2.5B1

5.7 m (18'8") HD



3265 mm (10'9")  
4080 mm (13'5")

		3.0 m/10'0"		4.5 m/15'0"		6.0 m/20'0"		7.5 m/25'0"			
7.5 m 25'0"	kg lb									*4550 *10,150	*4550 *10,150
6.0 m 20'0"	kg lb					*5350 *11,750	5000 10,700			*4200 *9,250	4000 8,950
4.5 m 15'0"	kg lb			*6,750 *14,550	*6,750 *14,550	*5,800 *12,600	4850 10,400	*4,600 10,400	3400	*4100 *9,050	3350 7,400
3.0 m 10'0"	kg lb			*8,500 *18,250	7000 15,100	*6,550 *14,200	4600 9,950	4850 10,400	3300 7,100	*4200 *9,250	3050 6,650
1.5 m 5'0"	kg lb			*10 000 *21,550	6550 14,050	6550 14,150	4400 9,450	4750 10,200	3200 6,900	4250 9,400	2900 6,400
0 m 0'0"	kg lb			9950 21,400	6300 13,550	6400 13,800	4250 9,150	4650 10,000	3150 6,750	4350 9,600	2950 6,500
-1.5 m -5'0"	kg lb	*10 450 *23,800	*10 450 *23,800	9950 21,300	6250 13,500	6350 13,650	4200 9,050			4800 10,550	3250 7,100
-3.0 m -10'0"	kg lb	*13 200 *28,600	12 300 26,400	*9,600 *20,700	6350 13,700	6450 13,850	4250 9,200			5800 12,850	3900 8,600
-4.5 m -15'0"	kg lb			*7,150 *15,000	6650 14,300					*6200 *13,550	5750 13,050



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.

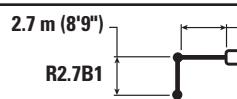
Lift capacity stays with  $\pm 5\%$  for all available track shoes.

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

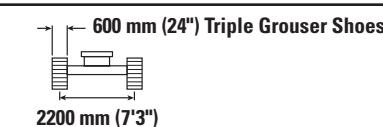
# 320 GX Hydraulic Excavator Specifications

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

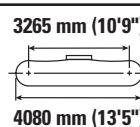
Medium Undercarriage



5.7 m (18'8") HD



600 mm (24") Triple Grouser Shoes



3265 mm (10'9")

4080 mm (13'5")

		3.0 m/10'0"		4.5 m/15'0"		6.0 m/20'0"		7.5 m/25'0"			
7.5 m 25'0"	kg lb									*4150 *9,250	*4150 *9,250
6.0 m 20'0"	kg lb					*5150 *11,300	4900 10,550			*3850 *8,450	3750 8,350
4.5 m 15'0"	kg lb					*5600 *12,200	4750 10,250	4850 *9,900	3350 7,150	*3750 *8,250	3150 6,950
3.0 m 10'0"	kg lb			*8200 *17,650	6900 14,850	*6400 *13,850	4550 9,750	4750 10,150	3250 6,950	*3850 *8,450	2850 6,250
1.5 m 5'0"	kg lb			*9800 *21,150	6400 13,800	6400 13,800	4300 9,250	4600 9,900	3150 6,750	4000 8,850	2750 6,000
0 m 0'0"	kg lb	*5200 *12,000	*5200 *12,000	9750 20,850	6150 13,250	6250 13,400	4150 8,900	4550 9,750	3050 6,550	4100 9,050	2800 6,100
-1.5 m -5'0"	kg lb	*10 200 *23,200	*10 200 *23,200	9650 20,700	6100 13,100	6200 13,250	4050 8,750	4500	3050	4450 9,850	3000 6,650
-3.0 m -10'0"	kg lb	*13 600 *29,500	11 950 25,600	9750 20,900	6150 13,250	6250 13,400	4100 8,850			5350 11,850	3600 7,950
-4.5 m -15'0"	kg lb	*10 550 *22,500	*10 550 *22,500	*7600 *16,100	6400 13,800					*6150 *13,500	5150 11,600
											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.

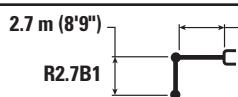
Lift capacity stays with  $\pm 5\%$  for all available track shoes.

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

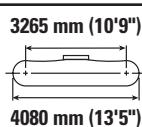
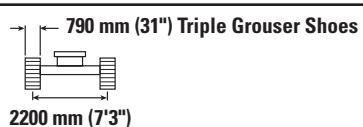
# 320 GX Hydraulic Excavator Specifications

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

Medium Undercarriage



5.7 m (18'8") HD



		3.0 m/10'0"		4.5 m/15'0"		6.0 m/20'0"		7.5 m/25'0"			
		L	W	L	W	L	W	L	W	m	ft/in
7.5 m 25'0"	kg lb									*4150 *9,250	*4150 *9,250
6.0 m 20'0"	kg lb					*5150 *11,300	5000 10,750			*3850 *8,450	3850 *8,450
4.5 m 15'0"	kg lb					*5600 *12,200	4850 10,450	4950 *9,900	3400 7300	*3750 *8,250	3200 7,100
3.0 m 10'0"	kg lb			*8200 *17,650	7050 15,200	*6400 *13,850	4650 9,950	4850 10,400	3300 7,150	*3850 *8,450	2900 6,400
1.5 m 5'0"	kg lb			*9800 *21,150	6550 14,100	6600 14,150	4400 9,450	4750 10,150	3200 6,900	*4100 *9,000	2800 6,150
0 m 0'0"	kg lb	*5200 *12,000	*5200 *12,000	9950 21,400	6300 13,550	6400 13,750	4250 9,100	4650 10,000	3150 6,750	4200 9,250	2850 6,250
-1.5 m -5'0"	kg lb	*10 200 *23,200	*10 200 *23,200	9900 21,200	6250 13,400	6350 13,600	4200 9,000	4650 9,000	3100 9,000	4600 10,100	3100 6,800
-3.0 m -10'0"	kg lb	*13 600 *29,500	12 250 26,200	*9750 *21,050	6300 13,600	6400 13,750	4200 9,100			5500 12,150	3700 8,150
-4.5 m -15'0"	kg lb	*10 550 *22,500	*10 550 *22,500	*7600 *16,100	6550 14,100					*6150 *13,500	5250 11,850
											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.

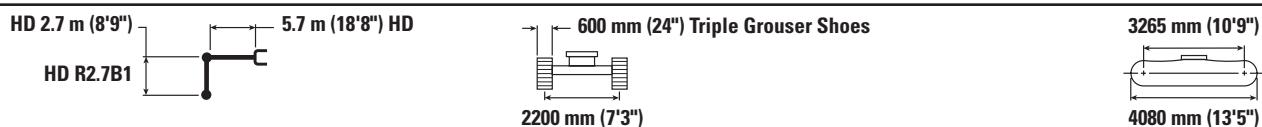
Lift capacity stays with  $\pm 5\%$  for all available track shoes.

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

# 320 GX Hydraulic Excavator Specifications

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

Medium Undercarriage



		3.0 m/10'0"		4.5 m/15'0"		6.0 m/20'0"		7.5 m/25'0"				
		L	TL	L	TL	L	TL	L	TL	m	ft/in	
7.5 m 25'0"	kg lb									*4100 *9,150	5.85 18'10"	
6.0 m 20'0"	kg lb					*5100 *11,150	4850 10,400			*3800 *8,350	7.04 22'11"	
4.5 m 15'0"	kg lb					*5550 *12,050	4700 10,100	4800 *9,850	3300 7,000	*3700 *8,150	7.76 25'5"	
3.0 m 10'0"	kg lb			*8150 *17,500	6800 14,700	*6300 *13,700	4450 9,600	4700 10,050	3200 6,850	*3800 *8,350	8.14 26'8"	
1.5 m 5'0"	kg lb			*9700 *20,950	6300 13,600	6350 13,650	4250 9,100	4550 9,800	3100 6,600	3950 8,700	8.24 27'0"	
0 m 0'0"	kg lb	*5150 *11,950	*5150 *11,950	9650 20,650	6050 13,050	6200 13,250	4050 8,750	4450 9,600	3000 6,450	4050 8,900	8.05 26'5"	
-1.5 m -5'0"	kg lb	*10 150 *23,100	*10 150 *23,100	9550 20,500	6000 12,900	6100 13,100	4000 8,600	4450	3000	4400 9,700	7.56 24'9"	
-3.0 m -10'0"	kg lb	*13 500 *29,250	11 850 25,300	9650 20,700	6100 13,050	6150 13,250	4050 8,700			5300 11,750	3550 7,800	6.70 21'10"
-4.5 m -15'0"	kg lb	*10 450 *22,300	*10 450 *22,300	*7550 *15,950	6300 13,650					*6100 *13,350	5050 11,450	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.

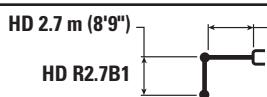
Lift capacity stays with  $\pm 5\%$  for all available track shoes.

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

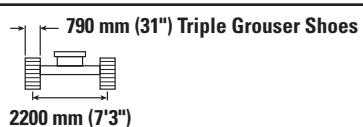
# 320 GX Hydraulic Excavator Specifications

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

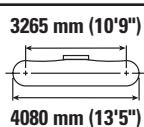
Medium Undercarriage



5.7 m (18'8") HD



2200 mm (7'3")



3265 mm (10'9")

4080 mm (13'5")

		3.0 m/10'0"		4.5 m/15'0"		6.0 m/20'0"		7.5 m/25'0"			
7.5 m 25'0"	kg lb									*4100 *9,150	*4100 *9,150
6.0 m 20'0"	kg lb					*5100 *11,150	4950 10,650			*3800 *8,350	3750 *8,350
4.5 m 15'0"	kg lb					*5550 *12,050	4800 10,350	4900 *9,850	3350 7,200	*3700 *8,150	3150 7,000
3.0 m 10'0"	kg lb			*8150 *17,500	7000 15,050	*6300 *13,700	4550 9,850	4800 10,300	3250 7,000	*3800 *8,350	2850 6,300
1.5 m 5'0"	kg lb			*9700 *20,950	6450 13,950	6500 14,000	4350 9,300	4650 10,050	3150 6,750	*4050 *8,900	2750 6,000
0 m 0'0"	kg lb	*5150 *11,950	*5150 *11,950	9900 21,200	6200 13,350	6350 13,600	4150 8,950	4600 9,850	3050 6,600	4150 9,150	2800 6,100
-1.5 m -5'0"	kg lb	*10 150 *23,100	*10 150 *23,100	9800 21,000	6150 13,200	6250 13,450	4100 8,850	4550	3050	4550 9,950	3050 6,650
-3.0 m -10'0"	kg lb	*13 500 *29,250	12 100 25,950	*9650 *20,850	6250 13,400	6300 13,600	4150 8,950			5400 12,050	3600 8,000
-4.5 m -15'0"	kg lb	*10 450 *22,300	*10 450 *22,300	*7550 *15,950	6450 13,950					*6100 *13,350	5200 11,700
											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.

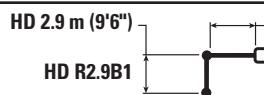
Lift capacity stays with  $\pm 5\%$  for all available track shoes.

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

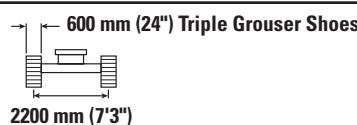
# 320 GX Hydraulic Excavator Specifications

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

Medium Undercarriage



5.7 m (18'8") HD



3265 mm (10'9")  
4080 mm (13'5")

		1.5 m/5'0"		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							*4250	*4250			*3700	*3700 6.14 19'8"		
6.0 m 20'0"	kg lb							*4850 *10,650	4850 10,500			*3400 *7,550	*3400 *7,550 7.28 23'7"		
4.5 m 15'0"	kg lb							*5350 *11,600	4750 10,150	4800 10,250	3300 7,050	*3350 *7,350	2950 6,500 7.98 26'10"		
3.0 m 10'0"	kg lb							*7800 *16,800	6900 14,800	*6150 *13,250	4500 9,650	4700 10,050	*3450 *7,500 2650 5,900 8.35 27'4"		
1.5 m 5'0"	kg lb							*9450 *20,400	6350 13,700	6350 13,700	4250 9,100	4550 9,800	3050 6,600	*3650 *8,000 2550 5,650 8.44 27'7"	
0 m 0'0"	kg lb							*5700 *13,100	9650 20,650	6050 13,000	6150 13,250	4050 8,700	4450 9,550	2950 6,400	3900 8,550 2600 5,700 8.26 27'1"
-1.5 m -5'0"	kg lb	*6100 *13,650	*6100 *13,650	*9900 *22,550	*9900 *22,550	9550 20,450	5950 12,800	6100 13,050	3950 8,550	4400 9,500	2950 6,350	4200 9,250	2800 6,200 7.78 25'5"		
-3.0 m -10'0"	kg lb	*10 550 *23,600	*10 550 *23,600	*13 850 *30,000	*11 750 25,100	9600 20,600	6000 12,950	6100 13,150	4000 8,600			5000 11,050	3300 7,350 6.95 22'7"		
-4.5 m -15'0"	kg lb			*11 000 *23,600	*11 000 *23,600	*7900 *16,850	6250 13,450					*5950 *13,100	4600 10,350 5.60 18'1"		



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.

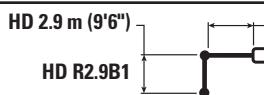
Lift capacity stays with  $\pm 5\%$  for all available track shoes.

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

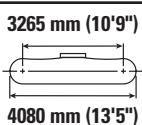
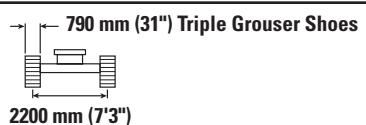
# 320 GX Hydraulic Excavator Specifications

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

Medium Undercarriage



5.7 m (18'8") HD



		1.5 m/5'0"		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							*4250	*4250			*3700	*3700 6.14 19'8"				
6.0 m 20'0"	kg lb							*4850 *10,650	4850 10,650			*3400 *7,550	*3400 7.28 23'7"				
4.5 m 15'0"	kg lb							*5350 *11,600	4850 10,400	4900 10,500	3350 7,200	*3350 *7,350	3000 6,650 26'10"				
3.0 m 10'0"	kg lb							*7800 *16,800	7050 15,150	*6150 *13,250	4600 9,850	4800 10,300	3250 7,000	*3450 *7,500	2750 6,050 27'4"		
1.5 m 5'0"	kg lb							*9450 *20,400	6500 14,000	4350 9,350	4650 10,000	3150 6,750	*3650 *8,000	2650 5,800 27'7"			
0 m 0'0"	kg lb							*5700 13,100	*5700 13,100	9850 21,200	6200 13,350	6300 13,600	4150 8,950	4550 9,800	3050 6,550	4000 6,750	2650 5,850 27'1"
-1.5 m -5'0"	kg lb	*6100 *13,650	*6100 *13,650	*9900 *22,550	*9900 *22,550	9750 20,950	6100 13,150	6250 13,400	4100 8,750	4550 9,750	3000 6,500	4300 9,500	2900 6,350	7.78 25'5"			
-3.0 m -10'0"	kg lb	*10 550 *23,600	*10 550 *23,600	*13 850 *30,000	*12 000 *25,700	9750 21,100	6200 13,300	6250 13,500	4100 8,850			5200 11,300	3400 7,550	6.95 22'7"			
-4.5 m -15'0"	kg lb			*11 000 *23,600	*11 000 *23,600	*7900 *16,850	6400 13,750					*5950 *13,100	4700 10,600	5.60 18'1"			



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.

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

# 320 GX Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility

Counterweight									Standard Undercarriage		Medium Undercarriage			
Linkage	Width		Capacity		Weight		Fill	Reach		HD Reach				
	mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb	%	R2.5 (8'2")	R2.7 (8'9")	R2.5 (8'2")	R2.7 (8'9")	HD R2.7 (8'9")	HD R2.9 (9'6")	
<b>Pin-On (No Quick Coupler)</b>														
General Duty	B	1050	41	0.90	1.18	744	1,640	100	●	●	●	●	●	●
	B	1050	42	1.00	1.31	793	1,748	100	◎	◎	●	●	◎	◎
Heavy Duty	B	1050	42	1.00	1.31	827	1,823	100	⊖	⊖	●	◎	◎	⊖
Maximum load with pin-on (payload + bucket)									kg	2620	2580	2985	2858	2774
									lb	5,776	5,688	6,581	6,301	6,116

The above loads are in compliance with hydraulic excavator standard EN 474-5:2022/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>)

⊖ 1500 kg/m<sup>3</sup> (2,500 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

Undercarriage	Standard			Medium		
	Reach		HD Reach			
Boom Type	R2.5 (8'2")	R2.7 (8'9")	R2.5 (8'2")	R2.7 (8'9")	HD R2.7 (8'9")	HD R2.9 (9'6")
Stick Length						
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

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

### CW-40s DEDICATED COUPLER ATTACHMENTS

Undercarriage	Standard			Medium		
	Reach		HD Reach			
Boom Type	R2.5 (8'2")	R2.7 (8'9")	R2.5 (8'2")	R2.7 (8'9")	HD R2.7 (8'9")	HD R2.9 (9'6")
Stick Length						
Hydraulic Hammers	H115 S	✓	✓	✓	✓	✓
	H120 GC	✓†*	✓†*	✓	✓	✓
	H120 GC S	✓†	✓†	✓	✓	✓
	H120 S	✓†	✓†	✓	✓	✓
	H130 S	✓†	✓†	✓	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓	✓

### CW-40 DEDICATED COUPLER ATTACHMENTS

Undercarriage	Standard			Medium		
	Reach		HD Reach			
Boom Type	R2.5 (8'2")	R2.7 (8'9")	R2.5 (8'2")	R2.7 (8'9")	HD R2.7 (8'9")	HD R2.9 (9'6")
Stick Length						
Hydraulic Hammers	H115 S	✓	✓	✓	✓	✓
	H120 GC	✓†*		✓	✓	✓
	H120 GC S	✓†	✓†	✓	✓	✓
	H120 S	✓†	✓†	✓	✓	✓
	H130 GC			✓*		
	H130 GC S			✓*	✓*	
	H130 S	✓†	✓†	✓	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓	✓

## 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>				
5.7 m (18'8") Reach boom		✓ <sup>(1)</sup>		
5.7 m (18'8") HD Reach boom		✓ <sup>(2)</sup>		
2.5 m (8'2") Reach stick		✓		
2.7 m (8'9") Reach stick		✓		
2.7 m (8'9") HD Reach stick		✓ <sup>(2)</sup>		
2.9 m (9'6") HD Reach stick		✓ <sup>(2)</sup>		
Bucket linkage with lifting eye, B1 type		✓ <sup>(3)</sup>		
Bucket linkage without lifting eye, B1 type		✓ <sup>(4)</sup>		
<b>CAB</b>				
OPG		✓		
Sound suppressed cab with viscous mounts		✓		
High-resolution 203 mm (8") LCD touchscreen monitor		✓		
Mechanical-suspension seat with head rest and arm rest		✓		
51 mm (2") orange seat belt		✓		
Auto bi-level air conditioner		✓		
Keyless push-to-start engine control		✓		
Fixed left-side console		✓		
1-button joysticks		✓		
3-button joysticks		✓		
Bluetooth radio® with USB/Auxiliary ports		✓		
Speakers (mounted rear of cab)		✓		
24V DC outlet		✓		
Storage compartments		✓		
Cup holder		✓		
70/30 tempered glass windshield		✓		
Rear window emergency exit		✓		
Radial wiper with washer		✓		
Openable steel hatch		✓		
Hammer pedal		✓		
LED dome light		✓		
Washable floor mat		✓		
<b>CAT TECHNOLOGY</b>				
VisionLink™		✓ <sup>(5)</sup>		
Capability to Remote Flash		✓		
Cat Product Link™ (telematics only)				
<b>ELECTRICAL SYSTEM</b>				
Two 950 CCA maintenance-free batteries		✓		
Electrical disconnect switch		✓		
LED chassis and cab lights		✓		
LED right-side boom light				✓
LED left-side boom light				✓
<b>ENGINE</b>				
Cat® C4.4 single turbo diesel engine		✓		
Two selectable modes: Power, Smart		✓		
Up to 4500 m (14,764 ft) altitude capability with derate from 3000 m (9,842 ft)		✓		
52° C (125° F) high-ambient cooling capacity		✓		
-25° C (-13° F) cold start capability		✓		
Electric fuel priming pump		✓		
Direct drive fan		✓		
Two-stage fuel filtration system with water separator and indicator		✓		
Sealed double element air filter with pre-cleaner				✓
<b>HYDRAULIC SYSTEM</b>				
Electronic main control valve, hammer ready				✓
Back-to-back electronic pumps				✓
High performance hydraulic return filter				✓
Hammer return filter				✓
Boom and stick regeneration circuits				✓
Automatic hydraulic oil warm-up				✓
Automatic two-speed travel				✓
Hammer lines				✓

(continued on next page)

<sup>(1)</sup>Africa only

<sup>(2)</sup>Middle East only

<sup>(3)</sup>All regions except Kingdom of Saudi Arabia

<sup>(4)</sup>Kingdom of Saudi Arabia only

<sup>(5)</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.

# 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>SAFETY AND SECURITY</b>				
Anti-skid plating with countersunk bolts	✓		Standard undercarriage	✓ <sup>(1)</sup>
Right-side handrail on fuel/hydraulic tank	✓		Medium undercarriage	✓ <sup>(2)</sup>
Lockable external tool/storage box	✓		600 mm (24") triple grouser shoes	✓
Lockable disconnect switch	✓		790 mm (31") triple grouser shoes	✓
Ground-level secondary engine shutoff switch	✓		Grease lubricated track link	✓
Signaling/warning horn	✓		Center track guiding guard	✓
Rearview camera		✓ <sup>(7)</sup>	Bottom guards	✓
Right-side view camera		✓ <sup>(8)</sup>	Travel motor guards	✓
Right-side edge mirror		✓ <sup>(7)</sup>	Swivel guard	✓
ROPS		✓ <sup>(7)</sup>	3600 kg (7,940 lb) counterweight	✓
Travel alarm	✓		Tie-down points	✓
Swing alarm	✓			
<b>SERVICE AND MAINTENANCE</b>				
Grouped engine oil and fuel filters	✓			
S·O·S <sup>SM</sup> ports	✓			
Radiator screen	✓			

<sup>(7)</sup>Mandatory in Kingdom of Saudi Arabia; Optional in other regions.

<sup>(8)</sup>Mandatory for Kingdom of Saudi Arabia; Not available in other regions.

## Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

### GUARDS

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

### 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 UN ECE R96 Stage IIIA 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 (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.

\*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.

## 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

## 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)
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ISO 6396:2008 (Inside Cab)	70 dB(A)
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- External Sound – The spectator sound power level is measured according to the test procedures and conditions specified in ISO 6395:2008 for a Cat 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).

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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AEXQ3966-01 (12-2025)  
Replaces: AEXQ3966-00  
Build Number: 05F  
(Afr-ME)

