



# 320 GC

## Hydraulic Excavator

# Technical Specifications

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

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# 320 GC Hydraulic Excavator Specifications

## Engine

Engine Model	Cat® C4.4	
Net Power		
ISO 9249	109 kW	146 hp
ISO 9249 (DIN)	148 hp (metric)	
Engine Power		
ISO 14396	110 kW	148 hp
ISO 14396 (DIN)	150 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>	

- Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
- Recommended for use up to 4500 m (14,764 ft) altitude with engine power derate above 3000 m (9,842.5 ft).
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.
- Engine speed at 2,000 rpm.

<sup>(1)</sup>Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels up to:

- ✓ 20% biodiesel FAME (fatty acid methyl ester)\*
- ✓ 100% renewable diesel, HVO (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details.

*\*Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel.*

## Swing Mechanism

Swing Speed	11.6 rpm	
Maximum Swing Torque	74.4 kN·m	54,900 lb-ft

## Weights

Operating Weight	21 100 kg	46,500 lb
------------------	-----------	-----------

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

## Track

Standard Track Shoes Width	600 mm	24 in
Number of Shoes (each side)	49	
Number of Track Rollers (each side)	8	
Number of Carrier Rollers (each side)	2	

## Drive

Gradeability	35°/70%	
Maximum Travel Speed	5.9 km/h	3.5 mph
Maximum Drawbar Pull	205 kN	46,131 lbf

## Hydraulic System

Main System – Maximum Flow – Implement	442 L/min (221 × 2 pumps)	116 gal/min (58 × 2 pumps)
Maximum Pressure – Equipment	35 000 kPa	5,075 psi
Maximum Pressure – Travel	34 300 kPa	4,974 psi
Maximum Pressure – Swing	25 000 kPa	3,625 psi
Boom Cylinder – Bore	120 mm	5 in
Boom Cylinder – Stroke	1260 mm	50 in
Stick Cylinder – Bore	135 mm	5 in
Stick Cylinder – Stroke	1504 mm	59 in
Bucket Cylinder – Bore	115 mm	5 in
Bucket Cylinder – Stroke	1104 mm	43 in

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## Service Refill Capacities

Fuel Tank Capacity	345 L	86.6 gal
Cooling System	25 L	6.6 gal
Engine Oil	15 L	4.0 gal
Swing Drive	12 L	3.2 gal
Final Drive (each)	4 L	1.1 gal
Hydraulic System (including tank)	234 L	61.8 gal
Hydraulic Tank	115 L	30.4 gal
Diesel Exhaust Fluid (DEF) Tank	39 L	10.3 gal

## Standards

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

## Sound Performance

ISO 6395:2008 (external)	101 dB(A)
ISO 6396:2008 (inside cab)	70 dB(A)

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

## Operating Weights and Ground Pressures

	600 mm (24") Triple Grouser Shoes	
	Weight	Ground Pressure
Base Machine Configurations	kg (lb)	kPa (psi)
<b>Base Frame with Track Rollers and Carrier Rollers</b>		
<b>3700 kg (8,200 lb) Counterweight + Long Undercarriage Base Machine</b>		
Reach Boom + R2.9 (9'6") Stick + 1.0 m <sup>3</sup> (1.31 yd <sup>3</sup> ) GD Bucket	21 100 (46,500)	48.6 (7.0)

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

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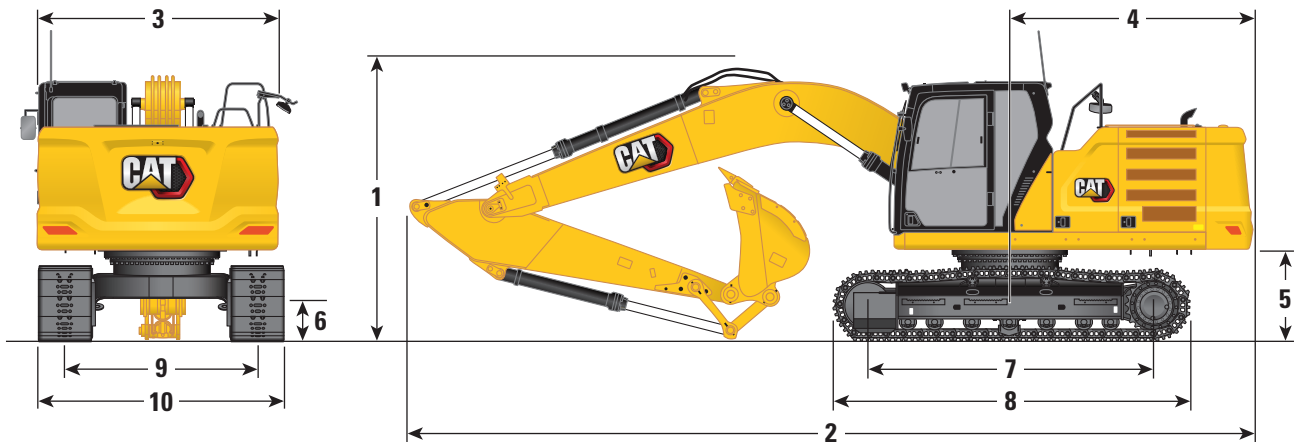
## Major Component Weights

	kg	lb
Base Machine Weight (with 3700 kg [8,200 lb] counterweight, upper frame, long undercarriage with HD track rollers – does not include boom cylinders, boom, stick, bucket, stick cylinder, bucket cylinder, tracks, 90% fuel tank and 75 kg [165 lb] operator).	14 300	31,500
Track Shoes:		
600 mm (24") Width, 8.5 mm (0.33") Thick, Triple Grouser Track Shoes	2600	5,700
Two Boom Cylinders	340	700
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	310	700
Counterweight:		
3700 kg (8,200 lb) Counterweight	3700	8,200
Swing Frame:		
Standard Swing Frame	1880	4,100
Undercarriage (without track shoes):		
Standard Base Frame with HD Track Rollers and Standard Carrier Rollers	4390	9,700
Boom (including lines, pins, stick cylinder):		
Reach Boom 5.7 m (18'8")	1690	3,700
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Semi-HD Reach Stick R2.9B1 (9'6")	1080	2,400
Semi-HD Reach Stick R2.5B1 (8'2")	1020	2,200
Buckets (without linkage):		
1.0 m <sup>3</sup> (1.31 yd <sup>3</sup> ) GD	730	1,600
1.0 m <sup>3</sup> (1.31 yd <sup>3</sup> ) HD	880	1,900

# 320 GC Hydraulic Excavator Specifications

## Dimensions

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



### Boom Option

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

### Stick Options

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

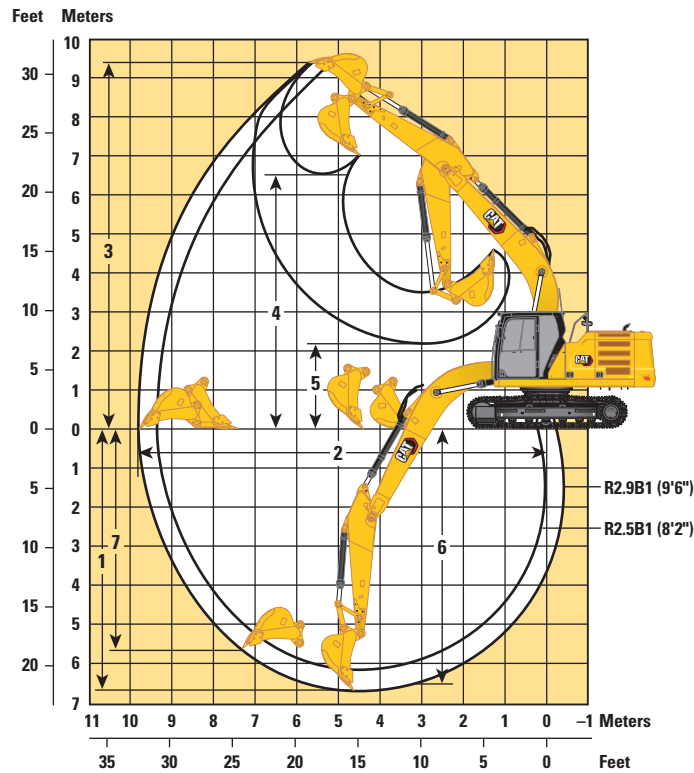
R2.5B1 (8'2")

	R2.9B1 (9'6")	R2.5B1 (8'2")
<b>1</b> Machine Height:		
Top of Cab Height	2960 mm 9'9"	2960 mm 9'9"
Top of FOGS Height	3100 mm 10'2"	3100 mm 10'2"
Handrail Height	2950 mm 9'8"	2950 mm 9'8"
With Boom/Stick/Bucket Installed	3160 mm 10'4"	3080 mm 10'1"
With Boom/Stick Installed	2910 mm 9'7"	2830 mm 9'3"
With Boom Installed	2480 mm 8'2"	2480 mm 8'2"
<b>2</b> Machine Length:		
With Boom/Stick/Bucket Installed	9530 mm 31'3"	9530 mm 31'3"
With Boom/Stick Installed	9500 mm 31'2"	9480 mm 31'1"
With Boom Installed	8450 mm 27'9"	8450 mm 27'9"
<b>3</b> Upperframe Width	2780 mm 9'1"	2780 mm 9'1"
<b>4</b> Tail Swing Radius	2830 mm 9'3"	2830 mm 9'3"
<b>5</b> Counterweight Clearance	1050 mm 3'5"	1050 mm 3'5"
<b>6</b> Ground Clearance	470 mm 1'7"	470 mm 1'7"
<b>7</b> Length to Center of Rollers	3650 mm 12'0"	3650 mm 12'0"
<b>8</b> Track Length	4450 mm 14'7"	4450 mm 14'7"
<b>9</b> Track Gauge	2380 mm 7'10"	2380 mm 7'10"
<b>10</b> Undercarriage Width:		
600 mm (24") Shoes	2980 mm 9'9"	2980 mm 9'9"
Bucket Type	GD	
Bucket Capacity	1.0 m <sup>3</sup> 1.31 yd <sup>3</sup>	1.0 m <sup>3</sup> 1.31 yd <sup>3</sup>
Bucket Tip Radius	1570 mm 5'2"	1570 mm 5'2"

# 320 GC Hydraulic Excavator Specifications

## Working Ranges

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



### Boom Option

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

### Stick Options

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

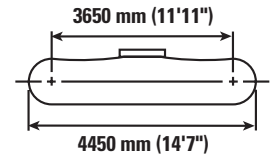
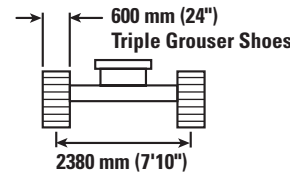
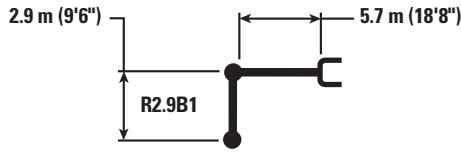
**Reach Stick  
R2.5B1 (8'2")**

	Reach Stick R2.9B1 (9'6")		Reach Stick R2.5B1 (8'2")	
<b>1</b> Maximum Digging Depth	6720 mm	22'1"	6300 mm	20'8"
<b>2</b> Maximum Reach at Ground Line	9860 mm	32'4"	9470 mm	31'1"
<b>3</b> Maximum Cutting Height	9450 mm	31'0"	9250 mm	30'4"
<b>4</b> Maximum Loading Height	6490 mm	21'4"	6290 mm	20'8"
<b>5</b> Minimum Loading Height	2170 mm	7'1"	2590 mm	8'6"
<b>6</b> Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6550 mm	21'6"	6110 mm	20'1"
<b>7</b> Maximum Vertical Wall Digging Depth	5690 mm	18'8"	5290 mm	17'4"
Bucket Digging Force (ISO)	129 kN	28,935 lbf	129 kN	28,935 lbf
Stick Digging Force (ISO)	99 kN	22,281 lbf	110 kN	24,688 lbf
Bucket Type	GD		GD	
Bucket Capacity	1.0 m <sup>3</sup>	1.31 yd <sup>3</sup>	1.0 m <sup>3</sup>	1.31 yd <sup>3</sup>
Bucket Tip Radius	1570 mm	5'2"	1570 mm	5'2"

# 320 GC Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 3700 kg (8,200 lb) – with Bucket Linkages, without Bucket

Long Undercarriage



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in	kg lb							*4350	*4350			*3750	*3750	6150 240
6000 mm 240 in	kg lb							*4950	*4950			*3500	*3500	7290 290
4500 mm 180 in	kg lb							*5450	4900	*5150	3450	*3400	3150	7990 320
3000 mm 120 in	kg lb					*7950	7150	*6250	4700	5250	3350	*3500	2850	8360 330
1500 mm 60 in	kg lb					*9650	6650	*7100	4450	5150	3250	*3700	2750	8450 340
0 mm 0 in	kg lb			*5800	*5800	*10 600	6400	7000	4300	5050	3200	*4100	2800	8260 330
-1500 mm -60 in	kg lb	*6150	*6150	*10 000	*10 000	*10 700	6300	6900	4250	5000	3150	4750	3000	7780 310
-3000 mm -120 in	kg lb	*10 600	*10 600	*14 150	12 350	*10 000	6400	6950	4250			5650	3550	6950 280
-4500 mm -180 in	kg lb			*11 300	*11 300	*8150	6550					*6150	4850	5600 220
				*24,200	*24,200	*17,300	14,150					*13,500	10,950	



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.

There may be local regulations and/or government regulations that govern the use of excavators for lifting heavy objects. Obey all local and government regulations.

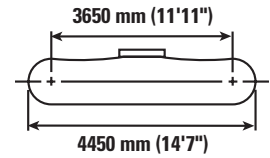
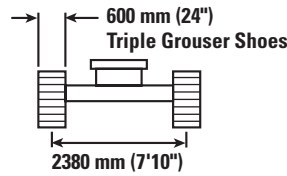
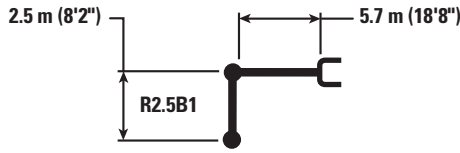
Regional regulations may require the use of an overload warning device and boom and stick lowering control valves during object handling applications.












Contact your Cat dealer for additional information.

# 320 GC Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 3700 kg (8,200 lb) – with Bucket Linkages, without Bucket

Long Undercarriage



		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				mm in
												
7500 mm 300 in	kg lb									*4550 *10,100	*4550 *10,100	5600 220
6000 mm 240 in	kg lb					*5400 *11,800	5000 10,700			*4150 *9,150	4050 9,000	6830 270
4500 mm 180 in	kg lb			*6750 *14,600	*6750 *14,600	*5800 *12,650	4850 10,450	*4600	3450	*4050 *8,950	3400 7,450	7570 300
3000 mm 120 in	kg lb			*8500 *18,350	7050 15,150	*6600 *14,250	4650 10,000	5250 11,200	3350 7,200	*4150 *9,150	3050 6,750	7960 320
1500 mm 60 in	kg lb			*10 050 *21,700	6600 14,200	7150 15,350	4450 9,550	5100 11,000	3250 7,000	*4450 *9,750	2950 6,450	8050 320
0 mm 0 in	kg lb			*10 750 *23,200	6400 13,750	6950 15,000	4300 9,250	5050 10,850	3200 6,850	4750 10,400	3000 6,600	7860 310
-1500 mm -60 in	kg lb	*10 550 *23,950	*10 550 *23,950	*10 600 *22,950	6350 13,650	6900 14,900	4250 9,150			5200 11,450	3300 7,200	7350 290
-3000 mm -120 in	kg lb	*13 300 *28,800	12 450 26,700	*9650 *20,800	6450 13,850	7000 15,050	4300 9,300			6300 14,000	3950 8,750	6470 260
-4500 mm -180 in	kg lb			*7200 *15,100	6700 14,450					*6250 *13,650	5850 13,200	4980 200



ISO 10567:2007



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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.

There may be local regulations and/or government regulations that govern the use of excavators for lifting heavy objects. Obey all local and government regulations.

Regional regulations may require the use of an overload warning device and boom and stick lowering control valves during object handling applications.

Contact your Cat dealer for additional information.



# 320 GC Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	Reach Boom	
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb		%	R2.5 (8'2")
<b>Pin-On (No Quick Coupler)</b>										
General Duty	B	600	24	0.46	0.61	555	1,223	100	●	●
	B	750	30	0.64	0.84	626	1,380	100	●	●
	B	1200	48	1.19	1.56	812	1,789	100	⊙	⊖
	B	1300	51	1.30	1.70	835	1,841	100	⊖	⊖
	B	1400	55	1.43	1.87	879	1,937	100	⊖	○
Heavy Duty	B	1050	42	1.00	1.31	892	1,967	100	●	⊙
	B	1200	48	1.19	1.56	917	2,022	100	⊙	⊖
	B	1300	52	1.30	1.70	974	2,148	100	⊖	○
Severe Duty	B	1050	42	1.00	1.31	948	2,091	90	●	●
Severe Duty Spade	B	1200	48	1.20	1.57	1011	2,229	90	⊙	⊖
Maximum load with pin-on (payload + bucket)								kg	3030	2790
								lb	6,680	6,151
	Linkage	Width		Capacity		Weight		Fill	Reach Boom	
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb		%	R2.5 (8'2")
<b>With Cat Pin Grabber Coupler</b>										
General Duty	B	600	24	0.46	0.61	555	1,223	100	●	●
	B	750	30	0.64	0.84	626	1,380	100	●	●
	B	1200	48	1.19	1.56	812	1,789	100	⊖	○
	B	1300	51	1.30	1.70	835	1,841	100	○	○
	B	1400	55	1.43	1.87	879	1,937	100	○	◇
Heavy Duty	B	1050	42	1.00	1.31	892	1,967	100	⊙	⊖
	B	1200	48	1.19	1.56	917	2,022	100	○	○
	B	1300	52	1.30	1.70	974	2,148	100	○	◇
Severe Duty	B	1050	42	1.00	1.31	948	2,091	90	⊙	⊖
Severe Duty Spade	B	1200	48	1.20	1.57	1011	2,229	90	⊖	○
Maximum load with coupler (payload + bucket)								kg	2608	2367
								lb	5,750	5,219

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>)
- ⊖ 1500 kg/m<sup>3</sup> (2,500 lb/yd<sup>3</sup>)
- 1200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)
- ◇ 900 kg/m<sup>3</sup> (1,500 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 GC 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

† Allowed usage on machine less than 50%

No Match

### PIN-ON ATTACHMENTS

Boom Type	Stick Length	Reach	
		R2.5 (8'2")	R2.9 (9'6")
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	✓	✓
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓	✓
Pulverizers	P218 Secondary Pulverizer	✓	✓
	P318 Primary Pulverizer	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓

(continued on next page)

# 320 GC Hydraulic Excavator Specifications

## Attachments Offering Guide *(continued)*

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

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

Boom Type	Stick Length	Reach	
		R2.5 (8'2")	R2.9 (9'6")
Orange Peel Grapples	GSH420-500	●	●
	GSH420-600	●	●
	GSH420-750	●	●
	GSH425-750	○	○
	GSH425-950	○	
	GSH520-500	●	●
	GSH520-600	●	●
	GSH520-750	●	○
	GSH525-750	○	
	GSV520 GC-400	●	●
	GSV520 GC-500	●	●
	GSV520 GC-600	●	●
	GSV520 GC-750	●	●
	GSV520-400	●	●
	GSV520-500	●	●
	GSV520-600	●	●
	GSV520-750	●	●
	GSV525-600	●	○
	GSV525-750	○	○
	Clamshell Grapples	CTV15-1000	○
CTV15-1200		○	

*(continued on next page)*

# 320 GC Hydraulic Excavator Specifications

## Attachments Offering Guide *(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

Boom Type	Stick Length	Reach	
		R2.5 (8'2")	R2.9 (9'6")
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	✓*	
Mobile Scrap and Demolition Shears	S3025	✓*	
Pulverizers	P218 Secondary Pulverizer	✓*	
	P318 Primary Pulverizer	✓*	
Compactors (Vibratory Plate)	CVP110	✓	✓

*(continued on next page)*

# 320 GC Hydraulic Excavator Specifications

## Attachments Offering Guide *(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-40S DEDICATED COUPLER ATTACHMENTS

Boom Type	Stick Length	Reach	
		R2.5 (8'2")	R2.9 (9'6")
Hydraulic Hammers	H115 S	✓	✓
	H120 GC S	✓†	✓†
	H120 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	✓	✓*
Mobile Scrap and Demolition Shears	S3025	✓	✓*
	S3025 Flat Top	✓*	
Pulverizers	P218 Secondary Pulverizer	✓	✓*
	P318 Primary Pulverizer	✓	✓*
Compactors (Vibratory Plate)	CVP110	✓	✓

*(continued on next page)*

# 320 GC Hydraulic Excavator Specifications

## Attachments Offering Guide *(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

Boom Type	Stick Length	Reach	
		R2.5 (8'2")	R2.9 (9'6")
Hydraulic Hammers	H115 S	✓	✓
	H120 GC	✓†	✓†
	H120 GC S	✓†	✓†
	H120 S	✓†	✓†
	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	✓	✓
	G317 GC fixed CAN	✓	✓
	G318	✓	✓
	G318 fixed CAN	✓	✓
	G318 WH-800	✓	✓
	G318 WH-1100	✓	✓*
Mobile Scrap and Demolition Shears	S3025	✓*	
	S3025 Flat Top	✓*	
Pulverizers	P218 Secondary Pulverizer	✓	✓
	P318 Primary Pulverizer	✓	✓*
Compactors (Vibratory Plate)	CVP110	✓	✓

### BOOM-MOUNT ATTACHMENTS

Boom Type		Reach
Mobile Scrap and Demolition Shears	S2050	✓
	S3035	✓
	S3035 Flat Top	✓

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

(continued on next page)

# 320 GC Standard and Optional Equipment

## Standard and Optional Equipment *(continued)*

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

	Standard	Optional		Standard	Optional
<b>HYDRAULIC SYSTEM</b>			<b>SERVICE AND MAINTENANCE</b>		
Boom and stick regeneration circuits	✓		Scheduled Oil Sampling (S·O·S <sup>SM</sup> ) ports	✓	
Electronic main control valve	✓		Grouped location for engine oil and fuel filters	✓	
Auto warm up	✓		Ground-level second dipstick for engine oil	✓	
Auto two-speed travel	✓		Radiator screen		✓
Boom and stick drift reduction valve	✓		Side entry to service platform	✓	
Element type main hydraulic filter	✓		QuickEvac <sup>TM</sup> maintenance ready		✓
Three button joysticks	✓		Integrated vehicle health management system		✓
Slider joysticks		✓	<b>UNDERCARRIAGE AND STRUCTURES</b>		
Tandem type electronic main pump	✓		Long undercarriage	✓	
Hammer return filter circuit		✓	600 mm (24") triple grouser track shoes	✓	
Basic Tool Control (one pump, one way high-pressure flow)		✓	Tie-down points on base frame	✓	
Tool Control (two pump, one/two way high-pressure flow)		✓	Center track guiding guard	✓	
Quick coupler circuit for Cat Pin Grabber		✓	Bottom guards	✓	
Operating pattern film (four way)	✓		Travel motor guards	✓	
Multi viscous hydraulic oil		✓	Swivel guard		✓
<b>SAFETY AND SECURITY</b>			Grease lubricated track links	✓	
Rearview camera and right-side mirror	✓		3700 kg (8,200 lb) counterweight	✓	
Rearview and right-hand sideview cameras	✓				
Cab mirror for right-side track edge		✓			
Neutral lever (lock out) for all controls	✓				
Anti-skid plate and countersunk bolts on service platform	✓				
Swing alarm		✓			
Ground-level accessible secondary engine shutoff switch in cab	✓				
RH handrail and handhold (ISO 2867:2011 compliant)	✓				
Travel alarm		✓			



## Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

### CAB

- RH and LH electrical pedal
- Polycarbonate roof hatch
- Radial lower wiper for 70/30 with washer
- P5A laminated glass front windshield and roof hatch

### SAFETY AND SECURITY

- Seat belt, retractable (75 mm/3" width)
- Bluetooth Receiver

### SERVICE AND MAINTENANCE

- Grease gun holder

### GUARDS

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

# 320 GC Environmental Declaration

The following information applies to the machine at the time of final manufacture as configured for sale in the regions covered in this document. The content of this declaration is valid as of the date issued; however, content related to machine features and specifications are subject to change without notice. For additional information, please see the machine's Operation and Maintenance Manual.

For more information on sustainability in action and our progress, please visit <https://www.caterpillar.com/en/company/sustainability>.

## Engine

- The Cat® C4.4 engine meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels up to:
  - ✓ 20% biodiesel FAME (fatty acid methyl ester)\*
  - ✓ 100% renewable diesel, HVO (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.

*\*Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel.*

## Air Conditioning System

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

## Paint

- Based on best available knowledge, the maximum allowable concentration, measured in parts per million (PPM), of the following heavy metals in paint are:
  - Barium < 0.01%
  - Cadmium < 0.01%
  - Chromium < 0.01%
  - Lead < 0.01%

## Sound Performance

ISO 6395:2008 (external) – 101 dB(A)

ISO 6396:2008 (inside cab) – 70 dB(A)

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

## Oils and Fluids

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio HYDO™ Advanced is an EU Ecolabel approved biodegradable hydraulic oil.
- Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

## Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
  - Advanced hydraulic systems balance power and efficiency
  - Smart mode matches machine power to digging requirements automatically
  - Eco mode minimizes fuel consumption for light applications
  - Cut maintenance costs up to 25% with extended service intervals
  - Programmable high-efficiency cooling fans run only when needed
  - New hydraulic oil filter provides longer life with a 3,000-hour replacement interval

## Recycling

- The materials included in machines are categorized as below with approximate weight percentage. Because of variations of product configurations, the following values in the table may vary.

Material Type	Weight Percentage
Steel	82.67%
Iron	5.61%
Nonferrous Metal	2.68%
Mixed Metal	1.28%
Mixed-Metal and Nonmetal	1.07%
Plastic	1.35%
Rubber	0.08%
Mixed Nonmetallic	0.23%
Fluid	3.33%
Other	1.70%
Uncategorized	0.00%
Total	100%

- A machine with higher recyclability rate will ensure more efficient usage of valuable natural resources and enhance End-of-Life value of the product. According to ISO 16714 (Earthmoving machinery – Recyclability and recoverability – Terminology and calculation method), recyclability rate is defined as percentage by mass (mass fraction in percent) of the new machine potentially able to be recycled, reused, or both.

All parts in the bill of material are first evaluated by component type based on a list of components defined by the ISO 16714 and Japan CEMA (Construction Equipment Manufacturers Association) standards. Remaining parts are further evaluated for recyclability based on material type.

Because of variations of product configurations, the following value in the table may vary.

Recyclability – 97%

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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