



# 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 Narrow Hydraulic Excavator Specialty Configurations

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# 320 GC Hydraulic Excavator Specifications

## Engine

Engine Model	Cat® C4.4	
Net Power (ISO 9249)	107 kW	143 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 C4.4 engine meets U.S. EPA Tier 3/EU Stage IIIA/Brazil Mar-1 equivalent 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.

## Swing Mechanism

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

## Weights

Operating Weight	19 800 kg	43,700 lb
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- Standard 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.

## Track

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

## Drive

Gradeability	35°/70%	
Maximum Travel Speed	5.7 km/h	3.5 mph
Maximum Drawbar Pull	206 kN	46,311 lbf

## Hydraulic System

Main System – Maximum Flow – Implement	429 L/min (215 × 2 pumps)	113 gal/min (57 × 2 pumps)
Maximum Pressure – Equipment	35 000 kPa	5,075 psi
Maximum Pressure – Travel	34 300 kPa	4,974 psi
Maximum Pressure – Swing	25 000 kPa	3,625 psi
Boom Cylinder – Bore	120 mm	5 in
Boom Cylinder – Stroke	1260 mm	50 in
Stick Cylinder – Bore	135 mm	5 in
Stick Cylinder – Stroke	1504 mm	59 in
Bucket Cylinder – Bore	115 mm	5 in
Bucket Cylinder – Stroke	1104 mm	43 in

## Service Refill Capacities

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

## Standards

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

## Sound Performance

ISO 6395:2008 (external)	99 dB(A)
ISO 6396:2008 (inside cab)	70 dB(A)

- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in a noisy environment.

# 320 GC Hydraulic Excavator Specifications

## Operating Weights and Ground Pressures

	600 mm (24") Triple Grouser Shoes		790 mm (31") Triple Grouser Shoes	
	Weight	Ground Pressure	Weight	Ground Pressure
	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
<b>3.7 mt (8,200 lb) Counterweight Standard 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	19 800 (43,700)	45.6 (6.6)	20 300 (44,800)	35.5 (5.1)

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

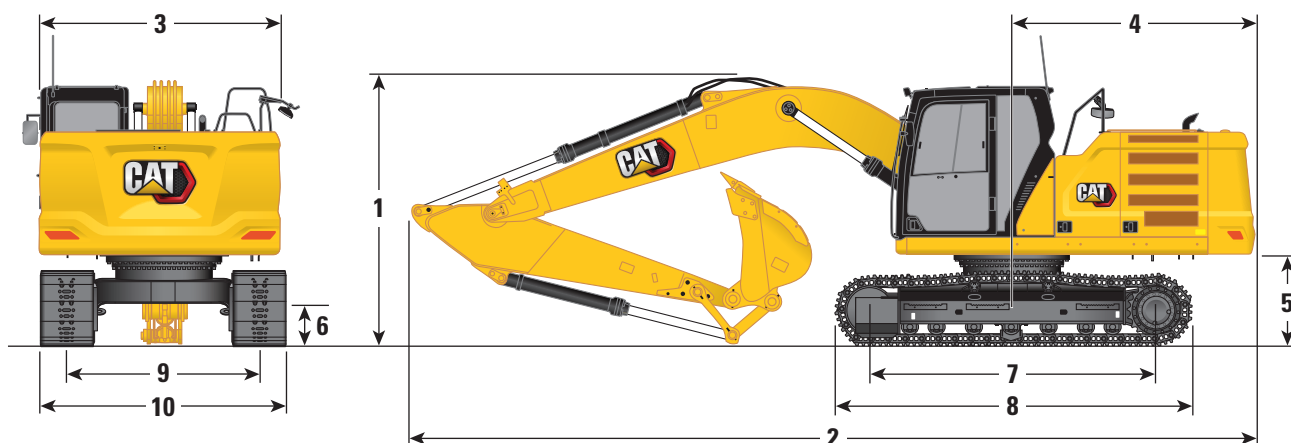
## Major Component Weights

	kg	lb
Base Machine (with 3.7 mt [8,200 lb] counterweight, standard swing frame, standard base frame with standard track rollers and standard carrier rollers for standard undercarriage, without boom cylinder – does not include 90% fuel and 75 kg [165 lb] operator)	13 200	29,100
Track Shoes:		
600 mm (24") Width, 8.5 mm (0.33") Thick Triple Grouser Track Shoes	2580	5,700
790 mm (31") Width, 10 mm (0.39") Thick Triple Grouser Track Shoes	3080	6,800
Two Boom Cylinders	340	700
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	310	700
Counterweight:		
3.7 mt Counterweight	3700	8,200
Swing Frame:		
Standard Swing Frame	1880	4,150
Undercarriage:		
Standard Base Frame with Standard Track Rollers and Standard Carrier Rollers	4030	8,900
Boom (including lines, pins, stick cylinder):		
Reach Boom (5.7 m/18'8")	1690	3,700
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick (R2.9B1/9'6")	980	2,200
Semi-HD Reach Stick (R2.9B1/9'6")	1070	2,360
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	860	1,870

# 320 GC Hydraulic Excavator Specifications

## Dimensions

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



### Boom Option

Reach Boom  
5.7 m (18'8")

### Stick Option

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

#### 1 Machine Height:

Top of Cab Height	2960 mm	9'9"
Top of FOGS Height	3100 mm	10'2"
Handrails Height	2950 mm	9'8"
With Boom/Stick/Bucket Installed	3160 mm	10'4"
With Boom/Stick Installed	2910 mm	9'7"
With Boom Installed	2480 mm	8'2"

#### 2 Machine Length:

With Boom/Stick/Bucket Installed	9530 mm	31'3"
With Boom/Stick Installed	9500 mm	31'2"
With Boom Installed	8450 mm	27'9"

#### 3 Upperframe Width without Walkways

2780 mm 9'1"

#### 4 Tail Swing Radius

2830 mm 9'3"

#### 5 Counterweight Clearance

1050 mm 3'5"

#### 6 Ground Clearance

470 mm 1'7"

#### 7 Length to Center of Rollers

Standard Undercarriage	3270 mm	10'9"
------------------------	---------	-------

#### 8 Track Length

4070 mm 13'4"

#### 9 Track Gauge

2200 mm 7'3"

#### 10 Undercarriage Width:

600 mm (24") Shoes	2800 mm	9'2"
790 mm (31") Shoes	2990 mm	9'10"

#### Bucket Type

GD

#### Bucket Capacity

1.0 m<sup>3</sup> 1.31 yd<sup>3</sup>

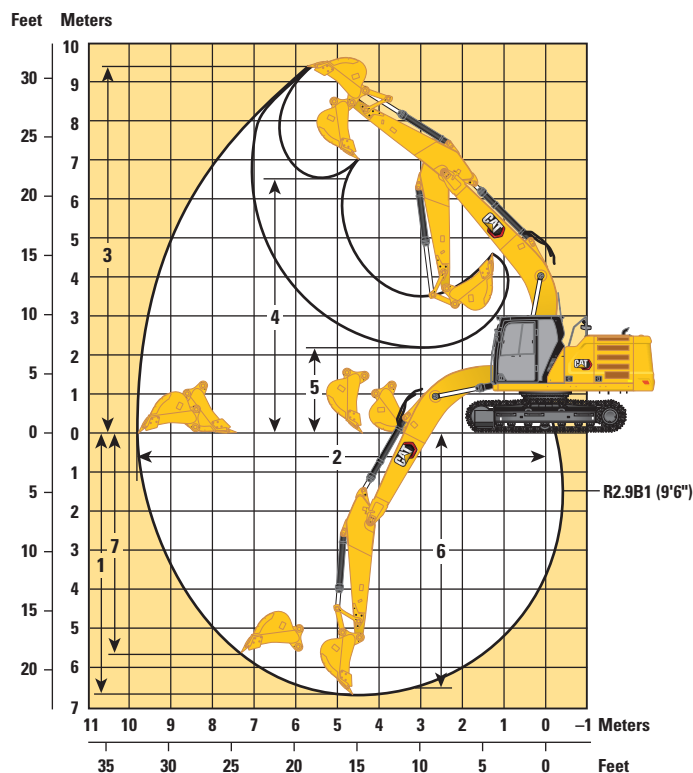
#### Bucket Tip Radius

1580 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")

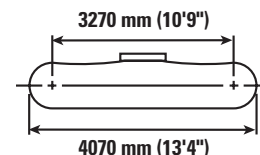
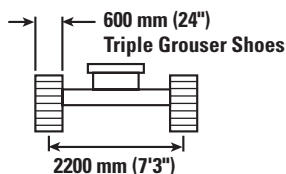
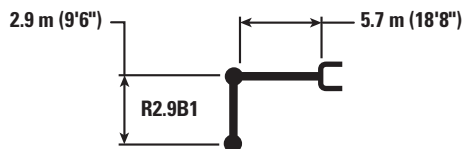
### Stick Option

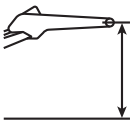













Reach Stick  
R2.9B1 (9'6")

1 Maximum Digging Depth	6630 mm	21'9"
2 Maximum Reach at Ground Line	9770 mm	32'
3 Maximum Cutting Height	9440 mm	30'11"
4 Maximum Loading Height	6580 mm	21'7"
5 Minimum Loading Height	2260 mm	7'5"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6460 mm	21'2"
7 Maximum Vertical Wall Digging Depth	6010 mm	19'8"
Bucket Digging Force (ISO)	129 kN	29,007 lbf
Stick Digging Force (ISO)	99 kN	22,301 lbf
Bucket Type	GD	
Bucket Capacity	1.0 m <sup>3</sup>	1.31 yd <sup>3</sup>
Bucket Tip Radius	1560 mm	5'1"

# 320 GC Hydraulic Excavator Specifications

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



		1500 mm (5'0")		3000 mm (10'0")		4500 mm (15'0")		6000 mm (20'0")		7500 mm (25'0")				mm ft/in
														
7500 mm 25'0"	kg lb							*4350	*4350			*3750 *8,350	*3750 *8,350	6150 20'0"
6000 mm 20'0"	kg lb							*4950 *10,850	4500 9,700			*3500 *7,700	3250 7,250	7290 23'8"
4500 mm 15'0"	kg lb							*5450 *11,850	4350 9,350	4500 9,600	3050 6,550	*3450 *7,550	2750 6,050	7990 26'1"
3000 mm 10'0"	kg lb					*7950 *17,100	6250 13,500	6150 13,250	4150 8,900	4400 9,400	2950 6,350	*3500 *7,700	2500 5,500	8360 27'4"
1500 mm 5'0"	kg lb					9150 19,650	5800 12,450	5900 12,700	3900 8,400	4250 9,150	2850 6,100	3600 7,900	2400 5,250	8450 27'8"
0 mm 0'0"	kg lb			*5800 *13,300	*5800 *13,300	8850 18,950	5500 11,900	5750 12,300	3750 8,050	4200 9,000	2750 5,950	3650 8,050	2450 5,350	8260 27'0"
-1500 mm -5'0"	kg lb	*6200 *13,800	*6200 *13,800	*10 000 *22,700	*10 000 22,000	8750 18,750	5450 11,700	5650 12,150	3650 7,900	4150 8,950	2750 5,900	3950 8,700	2650 5,750	7780 25'5"
-3000 mm -10'0"	kg lb	*10 600 *23,800	*10 600 *23,800	*14 100 *30,500	10 450 22,400	8800 18,900	5500 11,850	5700 12,250	3700 8,000			4650 10,350	3100 6,850	6950 23'4"
-4500 mm -15'0"	kg lb			*11 250 *24,050	10 800 23,150	*8100 *17,200	5700 12,300					*6100 *13,450	4250 9,600	5600 18'4"



ISO 10567:2007



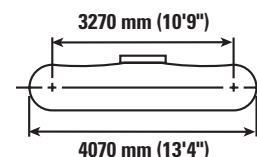
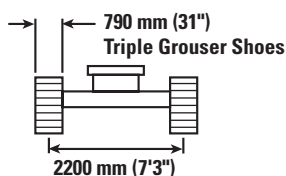
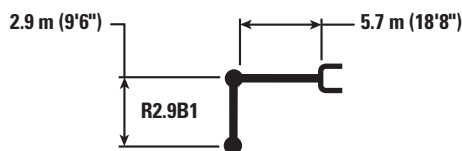
\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

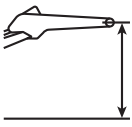






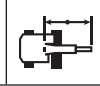

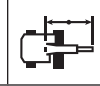

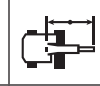


Lift capacity stays with  $\pm 5\%$  for all available track shoes.

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

# 320 GC Hydraulic Excavator Specifications

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



		1500 mm (5'0")		3000 mm (10'0")		4500 mm (15'0")		6000 mm (20'0")		7500 mm (25'0")				mm ft/in
														
7500 mm 25'0"	kg lb							*4350	*4350			*3750 *8,350	*3750 *8,350	6150 20'0"
6000 mm 20'0"	kg lb							*4950 *10,850	4600 9,900			*3500 *7,700	3350 7,400	7290 23'8"
4500 mm 15'0"	kg lb							*5450 *11,850	4450 9,600	4600 9,900	3150 6,700	*3450 *7,550	2800 6,250	7990 26'1"
3000 mm 10'0"	kg lb					*7950 *17,100	6400 13,850	*6250 *13,550	4250 9,100	4500 9,700	3050 6,550	*3500 *7,700	2550 5,650	8360 27'4"
1500 mm 5'0"	kg lb					9400 20,150	5950 12,800	6050 13,050	4000 8,650	4400 9,450	2950 6,300	3700 8,100	2450 5,400	8450 27'8"
0 mm 0'0"	kg lb			*5800 *13,300	*5800 *13,300	9100 19,500	5700 12,200	5900 12,650	3850 8,300	4300 9,250	2850 6,100	3750 8,250	2500 5,500	8260 27'0"
-1500 mm -5'0"	kg lb	*6200 *13,800	*6200 *13,800	*10 000 *22,700	*10 000 22,600	9000 19,300	5600 12,050	5800 12,500	3800 8,150	4250 9,200	2850 6,100	4050 8,950	2700 5,950	7780 25'5"
-3000 mm -10'0"	kg lb	*10 600 *23,800	*10 600 *23,800	*14 100 *30,500	10 700 23,000	9050 19,450	5650 12,150	5850 12,600	3800 8,200			4800 10,650	3200 7,050	6950 23'4"
-4500 mm -15'0"	kg lb			*11 250 *24,050	11 100 23,800	*8100 *17,200	5850 12,650					*6100 *13,450	4400 9,850	5600 18'4"



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 GC Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	STD Undercarriage
									Tier 3
									3.7 mt (8,200 lb) Counterweight
									Reach
		mm	in	m³	yd³	kg	lb	%	R2.9 (9'6")
Pin-On (No Quick Coupler)									
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	◇
	B	1400	55	1.43	1.87	879	1,937	100	◇
	B	1050	42	1.00	1.31	737	1,624	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	○
General Duty	312	900	36	0.53	0.69	403	888	100	
Ditch Cleaning	312	1200	48	0.57	0.74	386	851	100	
Maximum load with pin-on (payload + bucket)								kg	2428
								lb	5,353
	Linkage	Width		Capacity		Weight		Fill	STD Undercarriage
									Tier 3
									3.7 mt (8,200 lb) Counterweight
									Reach
		mm	in	m³	yd³	kg	lb	%	R2.9 (9'6")
With Cat Pin Grabber Coupler									
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	X
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	X
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	2006
								lb	4,423

The above loads are in compliance with hydraulic excavator standard EN474-5:2006+A3:2013, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

### Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- 1200 kg/m³ (2,000 lb/yd³)
- ◇ 900 kg/m³ (1,500 lb/yd³)
- 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
 ☐ \* Working range front only
 ☐ † Allowed usage on machine less than 50%

### PIN-ON ATTACHMENTS

Counterweight		3.7 mt (8,200 lb)
Boom Type		Reach
Stick Length		2.9 m (9'6")
Hydraulic Hammers	H115 S	✓
	H120 GC	✓
	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	✓
Mobile Scrap and Demolition Shears	S3025	✓*
Pulverizers	P215	✓
Crushers	P315	✓
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.

<input checked="" type="checkbox"/> Match	<input type="checkbox"/> * Working range front only	<input type="checkbox"/> † Allowed usage on machine less than 50%	<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> )
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### PIN-ON ATTACHMENTS

Counterweight		3.7 mt (8,200 lb)
Boom Type		Reach
Stick Length		2.9 m (9'6")
Orange Peel Grapples	GSH420-500	●
	GSH420-600	●
	GSH420-750	○
	GSH520-500	●
	GSH520-600	○
	GSV520 GC-400	●
	GSV520 GC-500	●
	GSV520 GC-600	●
	GSV520 GC-750	○
	GSV520-400	●
	GSV520-500	●
	GSV520-600	○
	GSV520-750	○

### CAT PIN GRABBER COUPLER ATTACHMENTS

Counterweight		3.7 mt (8,200 lb)
Boom Type		Reach
Stick Length		2.9 m (9'6")
Hydraulic Hammers	H115 S	✓
	H120 GC	✓†*
	H120 GC S	✓†
	H120 S	✓†
	H130 S	✓†*
Demolition and Sorting Grapples	G317 GC	✓*
Pulverizers	P215	✓*
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%

### CW-40S DEDICATED COUPLER ATTACHMENTS

Counterweight		3.7 mt (8,200 lb)
Boom Type		Reach
Stick Length		2.9 m (9'6")
Hydraulic Hammers	H115 S	✓
	H120 GC S	✓†
	H120 S	✓†
	H130 S	✓†
Multi-Processors	MP318 Shear Jaw	✓*
Demolition and Sorting Grapples	G317 GC	✓
	G318	✓*
	G318 WH-800	✓*
Pulverizers	P215	✓
Compactors (Vibratory Plate)	CVP110	✓

### CW-40 DEDICATED COUPLER ATTACHMENTS

Counterweight		3.7 mt (8,200 lb)
Boom Type		Reach
Stick Length		2.9 m (9'6")
Hydraulic Hammers	H115 S	✓
	H120 GC	✓†
	H120 GC S	✓†
	H120 S	✓†
	H130 S	✓†
Multi-Processors	MP318 Shear Jaw	✓*
Demolition and Sorting Grapples	G317 GC	✓
	G317 GC fixed CAN	✓
	G318 fixed CAN	✓*
	G318 WH-800	✓*
Pulverizers	P215	✓
Compactors (Vibratory Plate)	CVP110	✓

### BOOM-MOUNT ATTACHMENTS

Counterweight		3.7 mt (8,200 lb)
Boom Type		Reach
Mobile Scrap and Demolition Shears	S2050	✓*
	S3035	✓

# 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>CAB</b>			<b>HYDRAULIC SYSTEM</b>		
ROPS, standard sound suppression	✓		Boom and stick regeneration circuits	✓	
High-resolution 203 mm (8") LCD touchscreen monitor	✓		Electronic main control valve	✓	
Auto bi-level air conditioner	✓		Auto warm up	✓	
Jog dial and shortcut keys for monitor control	✓		Auto two-speed travel	✓	
Keyless push-to-start engine control	✓		Boom and stick drift reduction valve	✓	
Height-adjustable console, three steps with tool	✓		Element type main hydraulic filter	✓	
Fixed left-side console	✓		Three button joysticks	✓	
Mechanically adjustable seat suspension	✓		Slider joysticks		✓
51 mm (2") orange seat belt	✓		Tandem type electronic main pump	✓	
Bluetooth® integrated radio (no USB, aux port or microphone)	✓		Hammer return filter circuit		✓
12V DC outlets	✓		Basic Tool Control (one pump, one way high-pressure flow)		✓
Document storage	✓		Tool Control (two pump, one/two way high-pressure flow)		✓
Cup and bottle holders	✓		Quick coupler circuit for Cat Pin Grabber		✓
Openable two-piece front window	✓		Operating pattern film (four way)	✓	
Upper radial wiper with washer	✓		Arctic fluids (include grease, engine oil, hydraulic oil)		✓
Openable steel hatch	✓		<b>UNDERCARRIAGE AND STRUCTURES</b>		
LED dome light	✓		Standard undercarriage	✓	
Roller front sunscreen	✓		600 mm (24") triple grouser track shoes		✓
Roller rear sunscreen		✓	790 mm (31") triple grouser track shoes		✓
Rear window emergency exit	✓		Tie-down points on base frame	✓	
Washable floor mat	✓		Center track guiding guard	✓	
Beacon ready	✓		Bottom guards	✓	
<b>ENGINE</b>			Travel motor guards	✓	
Two selectable power modes	✓		Grease lubricated track links	✓	
One-touch low idle with automatic engine speed control	✓		3.7 mt (8,200 lb) counterweight	✓	
Automatic engine idle shutdown	✓		<i>(continued on next page)</i>		
Work up to 3000 m (9,842.5 ft) above sea level without engine power de-rating	✓				
52° C (125° F) high-ambient cooling capacity	✓				
Cold starting capability for -32° C (-25° F)	✓				
Double element air filter with integrated precleaner	✓				
Electric fuel priming pump	✓				
Electric cooling fans with auto-reverse function	✓				
Biodiesel capability up to B20	✓				

## 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>BOOM, STICKS AND LINKAGES</b>			<b>SERVICE AND MAINTENANCE</b>		
5.7 m (18'8") Reach boom	✓		S·O·S <sup>SM</sup> sampling ports	✓	
2.9 m (9'6") Reach stick	✓		Grouped location for engine oil and fuel filters	✓	
Bucket linkage, B1-family without lifting eye		✓	Ground-level second dipstick for engine oil	✓	
<b>ELECTRICAL SYSTEM</b>			Radiator screen		✓
1,000 CCA maintenance-free batteries (×2)	✓		Side entry to service platform	✓	
Centralized electrical disconnect switch	✓		QuickEvac <sup>TM</sup> maintenance ready		✓
Programmable time-delay LED working lights	✓		Electric refueling pump		✓
LED chassis light and LH boom light – 1,800 lumens	✓		<b>SAFETY AND SECURITY</b>		
LED chassis light, LH and RH boom lights, cab lights – 1,800 lumens		✓	Rearview camera and right-side mirror	✓	
<b>CAT TECHNOLOGY</b>			Rearview and right-hand sideview cameras		✓
Cat Product Link <sup>TM</sup>	✓		Neutral lever (lock out) for all controls	✓	
Auto hammer stop	✓		Anti-skid plate and countersunk bolts on service platform	✓	
			Ground-level accessible secondary engine shutoff switch in cab	✓	
			RH handrail and handhold (ISO 2867:2011 compliant)	✓	
			Travel alarm		✓

# 320 GC Attachments

## Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

<b>CAB</b> <ul style="list-style-type: none"><li>• RH and LH electrical pedal</li><li>• Polycarbonate roof hatch</li><li>• Radial lower wiper for 70/30 with washer</li><li>• P5A laminated glass front windshield and roof hatch</li></ul>	<b>SAFETY AND SECURITY</b> <ul style="list-style-type: none"><li>• Seat belt, retractable (75 mm/3" width)</li><li>• Bluetooth receiver</li></ul> <b>SERVICE AND MAINTENANCE</b> <ul style="list-style-type: none"><li>• Grease gun holder</li></ul>	<b>GUARDS</b> <ul style="list-style-type: none"><li>• FOGS (not compatible with cab light cover, rain protector)</li><li>• Mesh guard full front (not compatible with cab light cover, rain protector)</li><li>• Mesh guard lower half front</li><li>• Swivel guard</li><li>• Full protecting vandalism guard</li></ul>
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# 320 GC Narrow

## Hydraulic Excavator

***The Cat® 320 GC Narrow Excavator is designed with transportation in mind. Its undercarriage is sized just right to make it fit nicely on trailers and space-restricted jobsites.***

### High Performance

- The excavator's 2.54 m (8'3") width makes it easier to get into space-restricted areas compared to a standard width model.
- The C4.4 engine meets U.S. EPA Tier 3/EU Stage IIIA/Brazil Mar-1 equivalent emission standards.
- High-ambient cooling and cold start capability enable year round work.
- Smart mode automatically matches engine and hydraulic power to digging conditions for maximum efficiency.
- Do different jobs quickly and efficiently with purpose-built Cat® attachments.

### Simple to Operate

- Program power mode and joystick response and pattern using Operator ID; the machine will remember the settings each time you go to work.
- Navigate quickly on the standard high-resolution 203 mm (8 in) touchscreen monitor or with the aid of the jog dial control.
- Not sure how a function works? The operator's manual is at your fingertips in the touchscreen monitor.

### Work in Comfort

- The wide seat is adjustable for operators of all sizes.
- Easy-to-reach controls all located in front of you reduce twisting and turning.
- Standard automatic climate control keeps you at the right temperature all shift long.
- Advanced viscous mounts reduce cab vibration up to 50 percent over previous excavator series.
- Stow your gear with plenty of storage, including a cup holder, cell phone slot, and space behind the seat for a large lunchbox.

### Easy to Maintain

- Do all routine maintenance at ground level.
- The hydraulic oil system requires no maintenance for 3,000 hours – 50 percent longer than the previous series.
- Change fuel filters at 1,000 hours – double the interval from the previous filters.
- The new air intake filter with precleaner has double the dust holding capacity of the previous air intake filter.

### Built-In Safety

- No need to climb on top of the machine with daily maintenance points at ground level.
- New right-hand service platform design enables trouble-free access to upper service platform.
- Serrated steps and anti-skid punch plate prevent slipping.
- Keep your excavator secure with Operator ID; use your Personal Identification Number (PIN) code to enable push-button starting.
- Enjoy great visibility into the trench, in each swing direction, and behind you with the help of smaller cab posts and larger windows.
- Rearview camera is standard.



# 320 GC Narrow Hydraulic Excavator Specifications

## Engine

Engine Model	Cat® C4.4	
Net Power ISO 9249	107 kW	143 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 C4.4 engine meets U.S. EPA Tier 3/EU Stage IIIA/Brazil Mar-1 equivalent emission standards.
- Recommended for use up to 4500 m (14,770 ft) altitude with engine power derate above 3000 m (9,840 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.

## Swing Mechanism

Swing Speed	11.12 rpm	
Maximum Swing Torque	74 kN·m	54,440 lbf·ft

## Weights

Operating Weight	21 400 kg	47,200 lb
------------------	-----------	-----------

- Long Narrow undercarriage, Reach boom, R2.9 (9'6") stick, GD 1.00 m<sup>3</sup> (1.31 yd<sup>3</sup>) bucket, 500 mm (20") triple grouser shoes and 3.9 mt (8,600 lb) counterweight.

## Track

Track Shoes Width	500 mm	20 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	5.7 km/h	3.5 mph
Maximum Drawbar Pull	205 kN	46,063 lbf

## Hydraulic System

Main System – Maximum Flow – Implement	429 L/min (215 × 2 pumps)	113 gal/min (57 × 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	140 mm	6 in
Stick Cylinder – Stroke	1504 mm	59 in
Bucket Cylinder – Bore	120 mm	5 in
Bucket Cylinder – Stroke	1104 mm	43 in

## Service Refill Capacities

Fuel Tank Capacity	267 L	70.5 gal
Cooling System	12.5 L	3.3 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 (including suction pipe)	115 L	30.4 gal

## Standards

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

## Sound Performance

ISO 6395 (external)	102 dB(A)
ISO 6396 (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.

## Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.9 kg of refrigerant, which has a CO<sub>2</sub> equivalent of 1.287 metric tonnes.



# 320 GC Narrow Hydraulic Excavator Specifications

## Operating Weights and Ground Pressures

	500 mm (20") Triple Grouser Shoes	
	Weight	Ground Pressure
	kg (lb)	kPa (psi)
<b>3.9 mt (8,600 lb) Counterweight + Undercarriage Base Machine for Narrow</b>		
Reach Boom + R2.9 (9'6") Stick + 1.0 m <sup>3</sup> (1.31 yd <sup>3</sup> ) GD Bucket	21 400 (47,200)	53.4 (7.7)
Reach Boom + R2.9 (9'6") Stick + 1.0 m <sup>3</sup> (1.31 yd <sup>3</sup> ) GD Bucket + Quick Coupler	21 700 (47,800)	54.1 (7.8)

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

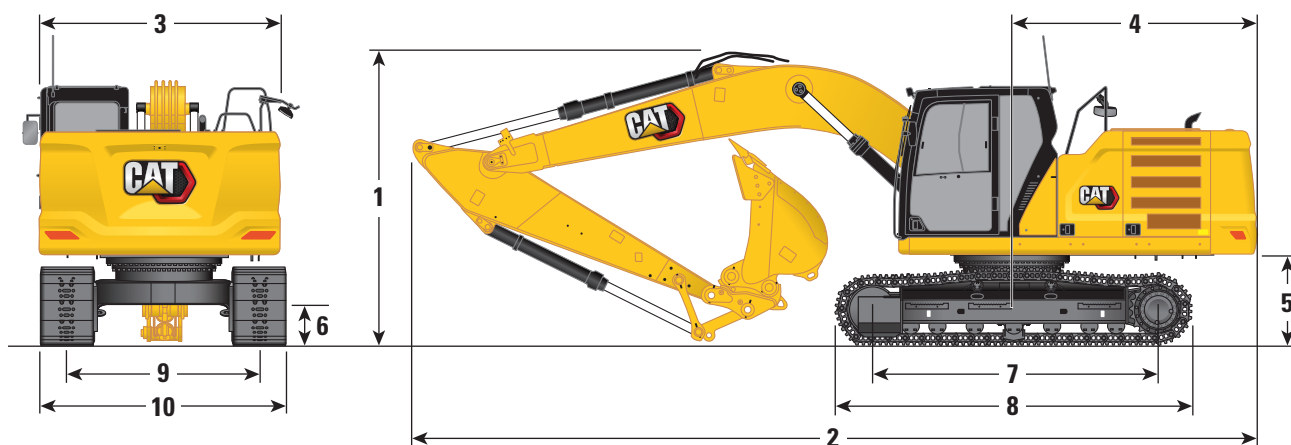
## Major Component Weights

	kg	lb
Base Machine weight (with upperframe, long narrow undercarriage, 3.9 mt [8,600 lb] counterweight, boom cylinders, without boom, stick, bucket, stick cylinders, bucket cylinders, track, 90% fuel tank and 75 kg [165 lb] operator)		
Base Machine with 3.9 mt (8,600 lb) counterweight	15 030	33,130
Track Shoes:		
500 mm (20") Width, 8.5 mm (0.33") Thick, Triple Grouser Track Shoes	2440	5,390
Two Boom Cylinders	340	750
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	280	610
Counterweight:		
3.9 mt (8,600 lb) Counterweight	4550	10,030
Booms (including lines, pins, stick cylinder):		
5.7 m (18'8") Reach Boom (including HP lines)	1760	3,880
5.7 m (18'8") Reach Boom (including HP lines and quick coupler lines)	1780	3,930
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
R2.9B1 (9'6") GC Semi-HD Reach Stick (including HP lines)	1110	2,440
R2.9B1 (9'6") GC Semi-HD Reach Stick (including HP lines and quick coupler lines)	1120	2,470
Buckets (without linkage, with tips and side cutters):		
1.0 m <sup>3</sup> (1.31 yd <sup>3</sup> ) GD Bucket	790	1,750
1.0 m <sup>3</sup> (1.31 yd <sup>3</sup> ) GD Bucket for use with CW Quick Coupler	750	1,650
Quick Coupler:		
CW Quick Coupler B1 without Pins	250	550

# 320 GC Narrow Hydraulic Excavator Specifications

## Dimensions

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

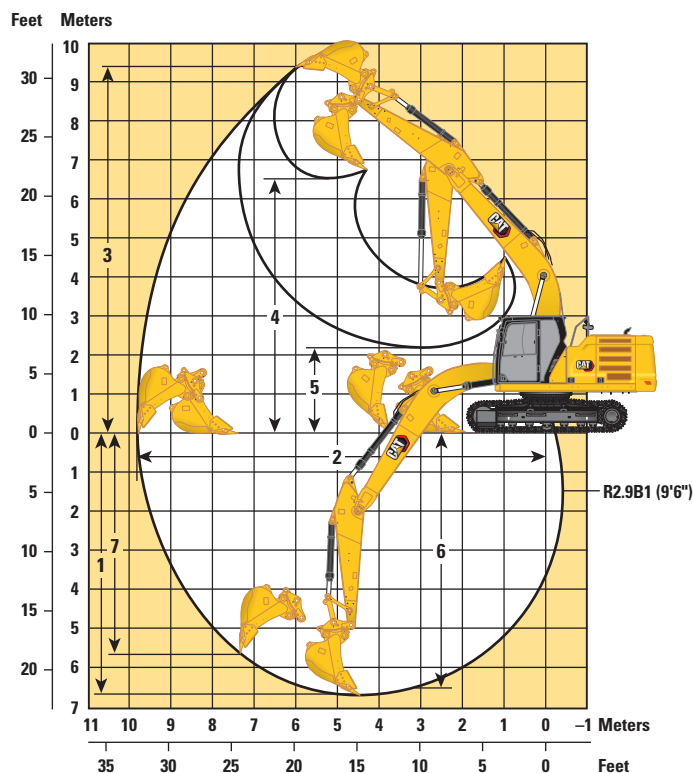


Boom Option		Reach Boom 5.7 m (18'8")	
Stick Option		Reach Stick R2.9B1 (9'6")	
Undercarriage Type		Narrow	
1 Machine Height:			
Top of Cab Height		2980 mm	9'9"
Top of FOGS Height		3120 mm	10'3"
Handrails Height		2970 mm	9'9"
With Boom/Stick/Bucket Installed		3050 mm	10'0"
With Boom/Stick Installed		2940 mm	9'8"
With Boom Installed		2400 mm	7'10"
2 Machine Length:			
With Boom/Stick/Bucket Installed		9560 mm	31'4"
With Boom/Stick Installed		9540 mm	31'4"
With Boom Installed		8490 mm	27'10"
3 Upperframe Width without Walkways		2550 mm	8'4"
4 Tail Swing Radius		2830 mm	9'3"
5 Counterweight Clearance		1030 mm	3'5"
6 Ground Clearance		435 mm	1'5"
7 Track Length:			
Length to Center of Rollers		3650 mm	12'0"
8 Crawler Overall Length		4460 mm	14'8"
9 Track Gauge – Extended		2000 mm	6'7"
Track Width:			
500 mm (20") Shoes		500 mm	20"
10 Undercarriage Width:			
500 mm (20") Shoes		2500 mm	8'2"
Bucket Type		GD	
Bucket Capacity		1.00 m³	1.31 yd³
Bucket Tip Radius		1560 mm	5'1"

# 320 GC Narrow Hydraulic Excavator Specifications

## Working Ranges

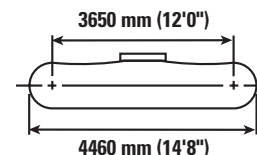
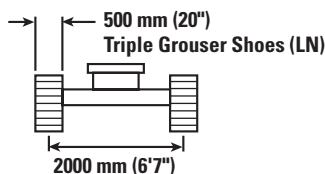
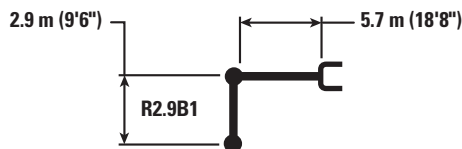
All dimensions are approximate and may vary depending on bucket selection.

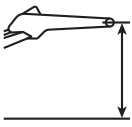















<b>Boom Option</b>	<b>Reach Boom 5.7 m (18'8")</b>	
<b>Stick Option</b>	<b>Reach Stick R2.9B1 (9'6")</b>	
<b>Undercarriage Type</b>	<b>Narrow</b>	
<b>1</b> Maximum Digging Depth	6700 mm	22'0"
<b>2</b> Maximum Reach at Ground Line	9850 mm	32'4"
<b>3</b> Maximum Cutting Height	9450 mm	31'0"
<b>4</b> Maximum Loading Height	6510 mm	21'4"
<b>5</b> Minimum Loading Height	2190 mm	7'2"
<b>6</b> Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6530 mm	21'5"
<b>7</b> Maximum Vertical Wall Digging Depth	5650 mm	18'6"
Bucket Digging Force (ISO)	141 kN	31,590 lbf
Stick Digging Force (ISO)	107 kN	23,990 lbf
Bucket Type	<b>GD</b>	
Bucket Capacity	1.00 m <sup>3</sup>	1.31 yd <sup>3</sup>
Bucket Tip Radius	1560 mm	5'1"

# 320 GC Narrow Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 3.9 mt (8,600 lb) – with Bucket Linkages, without Bucket Narrow Undercarriage



	1500 mm (5'0")		3000 mm (10'0")		4500 mm (15'0")		6000 mm (20'0")		7500 mm (25'0")				
													mm ft/in
7500 mm 25'0"	kg						*4550	*4550			*3900	*3900	6160
	lb										*8,650	*8,650	19'9"
6000 mm 20'0"	kg						*4900	4550			*3600	3300	7290
	lb						*10,750	9,800			*7,950	7,300	23'8"
4500 mm 15'0"	kg						*5400	4400	*5050	3100	*3550	2800	7990
	lb						*11,700	9,450	*11,100	6,650	*7,750	6,150	26'1"
3000 mm 10'0"	kg				*7900	6300	*6200	4200	*5400	3000	*3600	2550	8360
	lb				*16,950	13,550	*13,400	9,000	*11,750	6,450	*7,900	5,550	27'4"
1500 mm 5'0"	kg				*9550	5800	*7000	3950	5400	2900	*3850	2450	8450
	lb				*20,550	12,500	*15,200	8,500	11,600	6,200	*8,400	5,350	27'8"
0 mm 0'0"	kg			*6200	*6200	*10 450	5550	7350	3800	5300	*4250	2450	8260
	lb			*14,300	*14,300	*22,600	11,950	15,750	8,150	11,400	*9,300	5,400	27'0"
-1500 mm -5'0"	kg	*6650	*6650	*10 750	10 100	*10 550	5450	7250	3700	5250	*5000	2650	7780
	lb	*14,850	*14,850	*24,450	21,650	*22,800	11,750	15,600	8,000	11,350	*11,000	5,850	25'5"
-3000 mm -10'0"	kg	*11 400	*11 400	*13 950	10 250	*9850	5500	7300	3750		5950	3100	6940
	lb	*25,600	*25,600	*30,200	22,000	*21,250	11,900	15,700	8,050		13,150	6,900	22'7"
-4500 mm -15'0"	kg			*11 100	10 600	*7950	5700				*6050	4300	5590
	lb			*23,750	22,750	*16,950	12,350				*13,250	9,650	18'0"



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 GC Narrow Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	Narrow	
									3.9 mt (8,600 lb)	
		Reach Boom								
		R2.9 (9'6")								
Pin On (No Coupler)										
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	1300	51	1.30	1.70	835	1,841	100	◇	
	B	1400	55	1.43	1.87	879	1,937	100	X	
	B	1000	39	0.93	1.22	717	1,580	100	⊖	
	B	1050	42	1.00	1.31	737	1,624	100	⊙	
	B	1200	48	1.19	1.56	807	1,778	100	○	
	B	1500	60	1.58	2.06	914	2,014	100	X	
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	○	
	B	1200	48	1.20	1.57	1011	2,229	90	◇	
Ditch Cleaning	B	2000	78	1.22	1.60	869	1,916	100	◇	
Ditch Cleaning Tilt	B	2000	79	1.23	1.61	1096	2,417	100	◇	
Maximum load with pin-on (payload + bucket)								kg	2790	
								lb	4,905	

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.

( continued on next page )

# 320 GC Narrow Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility *(continued)*

	Linkage	Width		Capacity		Weight		Fill	Narrow
									3.9 mt (8,600 lb)
		Reach Boom							
		mm	in	m³	yd³	kg	lb	%	R2.9 (9'6")
With CW40 Coupler									
General Duty	B	900	36	0.81	1.06	664	1,463	100	●
	B	1050	42	1.00	1.31	711	1,567	100	⊙
	B	1200	48	1.19	1.56	781	1,721	100	⊖
	B	1300	51	1.30	1.70	813	1,791	100	○
	B	1400	55	1.43	1.87	863	1,903	100	○
General Duty with Leveling Edge	B	650	26	0.70	0.92	567	1,249	100	●
	B	800	31	0.68	0.89	614	1,353	100	●
	B	1200	47	1.19	1.56	787	1,734	100	⊖
	B	1400	55	1.43	1.87	855	1,884	100	○
	B	1500	60	1.58	2.06	895	1,972	100	◇
Heavy Duty	B	600	24	0.46	0.61	618	1,363	100	●
	B	1200	48	1.19	1.56	886	1,953	100	○
	B	1300	52	1.30	1.71	944	2,081	100	○
Ditch Cleaning	B	2100	83	1.29	1.69	792	1,746	100	○
	B	2100	83	1.46	1.91	809	1,784	100	○
	B	1800	72	1.50	1.96	775	1,709	100	○
	B	1800	72	1.50	1.96	737	1,624	100	○
	B	2100	83	1.76	2.31	864	1,905	100	◇
Ditch Cleaning Tilt	B	2000	79	1.23	1.61	1161	2,560	100	◇
Maximum load with coupler (payload + bucket)								kg	2540
								lb	5,600

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>)

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 Narrow Hydraulic Excavator Specifications

## Attachments Offering Guide

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 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> )
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### PIN-ON ATTACHMENTS

Undercarriage		Narrow
Counterweight		3.9 mt (8,600 lb)
Boom Type		Reach
Stick Length		R2.9 (9'6")
Hydraulic Hammers	H115 S	✓
	H120 GC	✓
	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	✓
Mobile Scrap and Demolition Shears	S3025	✓*
Pulverizers	P215	✓
Crushers	P315	✓
Compactors (Vibratory Plate)	CVP110	✓
Orange Peel Grapples	GSH420-500	●
	GSH420-600	●
	GSH420-750	○
	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	○

(continued on next page)

# 320 GC Narrow 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%

### PIN GRABBER COUPLER ATTACHMENTS

Undercarriage		Narrow
Counterweight		3.9 mt (8,600 lb)
Boom Type		Reach
Stick Length		R2.9 (9'6")
Hydraulic Hammers	H115 S	✓
	H120 GC	✓†
	H120 GC S	✓†
	H120 S	✓†
	H130 S	✓†*
Demolition and Sorting Grapples	G317 GC	✓*
Pulverizers	P215	✓*
Compactors (Vibratory Plate)	CVP110	✓

### CW-40S DEDICATED COUPLER ATTACHMENTS

Undercarriage		Narrow
Counterweight		3.9 mt (8,600 lb)
Boom Type		Reach
Stick Length		R2.9 (9'6")
Hydraulic Hammers	H115 S	✓
	H120 GC S	✓†
	H120 S	✓†
	H130 S	✓†
Multi-Processors	MP318 Shear Jaw	✓*
Demolition and Sorting Grapples	G317 GC	✓
	G318	✓*
	G318 WH-800	✓
Pulverizers	P215	✓
Compactors (Vibratory Plate)	CVP110	✓

*(continued on next page)*



# 320 GC Narrow 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%

### CW-40 DEDICATED COUPLER ATTACHMENTS

Undercarriage		Narrow
Counterweight		3.9 mt (8,600 lb)
Boom Type		Reach
Stick Length		R2.9 (9'6")
Hydraulic Hammers	H115 S	✓
	H120 GC	✓†
	H120 GC S	✓†
	H120 S	✓†
	H130 S	✓†*
Multi-Processors	MP318 Shear Jaw	✓*
Demolition and Sorting Grapples	G317 GC	✓
	G317 GC Fixed CAN	✓
	G318	✓*
	G318 Fixed CAN	✓*
	G318 WH-800	✓*
Pulverizers	P215	✓
Crushers	P315	✓*
Compactors (Vibratory Plate)	CVP110	✓

### BOOM-MOUNT ATTACHMENTS

Undercarriage		Narrow
Counterweight		3.9 mt (8,600 lb)
Boom Type		Reach
Mobile Scrap and Demolition Shears	S2050	✓*
	S3035	✓
	S3035 Flat Top	✓

# 320 GC Narrow 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>CAT TECHNOLOGY</b>		
5.7 m (18'8") Reach boom	✓		Cat Product Link™	✓	
2.9 m (9'6") Reach stick	✓		Auto hammer stop	✓	
Bucket linkage, B1-family without lifting eye	✓		<b>ELECTRICAL SYSTEM</b>		
<b>CAB</b>			1,000 CCA maintenance-free batteries (×2)	✓	
ROPS, standard sound suppression	✓		Centralized electrical disconnect switch	✓	
High-resolution 203 mm (8") LCD touchscreen monitor	✓		Programmable time-delay LED working lights	✓	
Auto bi-level air conditioner	✓		LED chassis light, boom lights, cab lights	✓	
Jog dial and shortcut keys for monitor control	✓		<b>ENGINE</b>		
Keyless push-to-start engine control	✓		Two selectable power modes	✓	
Height-adjustable console, three steps with tool	✓		Auto engine speed control	✓	
Fixed left-side console	✓		Auto engine idle shutdown	✓	
Mechanically adjustable seat suspension	✓		Work up to 3000 m (9,842.5 ft) above sea level without engine power de-rating	✓	
51 mm (2") orange seat belt	✓		52° C (125° F) high-ambient cooling capacity	✓	
Bluetooth® integrated radio (no USB, aux port or microphone)	✓		Cold starting capability for -32° C (-25° F)	✓	
12V DC outlets	✓		Double element air filter with integrated precleaner	✓	
Document storage	✓		Electric fuel priming pump	✓	
Cup and bottle holders	✓		Electric cooling fans with auto-reverse function	✓	
Openable two-piece front window	✓		Biodiesel capability up to B20	✓	
Upper radial wiper with washer	✓				
Openable steel hatch	✓				
LED dome light	✓				
Roller front sunscreen	✓				
Roller rear sunscreen	✓				
Rear window emergency exit		✓			
Washable floor mat	✓				
Beacon ready	✓				

(continued on next page)

## 320 GC Narrow 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	✓		S·O·S <sup>SM</sup> sampling ports	✓	
Electronic main control valve	✓		Ground-level second dipstick for engine oil	✓	
Auto warm up	✓		Side entry to service platform	✓	
Auto two-speed travel	✓		<b>UNDERCARRIAGE AND STRUCTURES</b>		
Boom and stick drift reduction valve	✓		Long Narrow undercarriage	✓	
Element type main hydraulic filter	✓		500 mm (20") triple grouser track shoes	✓	
Slider joysticks	✓		Two-piece segmented track guiding guards	✓	
Tandem type electronic main pump	✓		Bottom guards	✓	
Basic Tool Control (one pump, one way high-pressure flow)		✓	Grease lubricated track links	✓	
Tool Control (two pump, one/two way high-pressure flow)		✓	3.9 mt (8,600 lb) counterweight	✓	
Medium pressure circuit		✓			
Quick coupler circuit for Cat Pin Grabber and CW Dedicated		✓			
<b>SAFETY AND SECURITY</b>					
Rear and right-hand-sideview cameras		✓			
Neutral lever (lock out) for all controls		✓			
Anti-skid plate and countersunk bolts on service platform	✓				
Ground-level accessible secondary engine shutoff switch	✓				
RH handrail and handhold (ISO 2867:2011 compliant)	✓				
FOGS guards		✓			

# 320 GC Narrow Attachments

## Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

<b>CAB</b> <ul style="list-style-type: none"><li>• Radial lower wiper for 70/30 with washer</li><li>• LH/RH electrical pedal for tool control</li><li>• Polycarbonate roof hatch</li><li>• P5A laminated glass front windshield and roof hatch</li></ul>	<b>SAFETY AND SECURITY</b> <ul style="list-style-type: none"><li>• Bluetooth receiver kit</li><li>• 76 mm (3") retractable seat belt</li></ul> <b>SERVICE AND MAINTENANCE</b> <ul style="list-style-type: none"><li>• Grease gun holder</li></ul>	<b>GUARDS</b> <ul style="list-style-type: none"><li>• FOGS (not compatible with cab light cover, rain protector)</li><li>• Swivel guard</li><li>• Mesh guard full front (not compatible with cab light cover, rain protector)</li><li>• Mesh guard lower half front</li></ul>
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