



# 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 (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.*

## Swing Mechanism

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

## Weights

Operating Weight	21 000 kg	46,300 lb
• Medium undercarriage, Reach boom, R2.9 (9'6") stick, General Duty (GD) 1.0 m <sup>3</sup> (1.31 yd <sup>3</sup> ) bucket, 600 mm (24")/10 mm (0.39") triple grouser shoes and 3700 kg (8,200 lb) counterweight.		
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")/8.5 mm (0.33") triple grouser shoes and 3700 kg (8,200 lb) counterweight.		
Operating Weight	21 300 kg	47,000 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")/10 mm (0.39") triple grouser track shoes and 3700 kg (8,200 lb) counterweight.		

## Track

Standard Track Shoes Width	600 mm	24 in
Number of Shoes (each side) – Medium Undercarriage	47	
Number of Track Rollers (each side) – Medium Undercarriage	7	
Number of Shoes (each side) – Long Undercarriage	49	
Number of Track Rollers (each side) – Long Undercarriage	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 – Medium Undercarriage	203 kN	45,600 lbf
Maximum Drawbar Pull – Long Undercarriage	200 kN	45,000 lbf

## Hydraulic System

Main System – Maximum Flow – Implement	442 L/min (221 × 2 pumps)	116 gal/min (58 × 2 pumps)
Maximum Pressure – Equipment – Normal	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/Rollover Protective Structure (ROPS)	ISO 12117-2:2008
Cab/Operator Protective Guards (OPG) (optional)	ISO 10262:1998 Level II

## Sound Performance

ISO 6395:2008 (external)	101 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.

## Operating Weights and Ground Pressures

	600 mm (24")/8.5 mm (0.33") Triple Grouser Shoes		600 mm (24")/10 mm (0.39") Triple Grouser Shoes	
	Weight kg (lb)	Ground Pressure kPa (psi)	Weight kg (lb)	Ground Pressure kPa (psi)
<b>Base Machine Configurations</b>				
<b>Base Frame with Track Rollers and Carrier Rollers</b>				
<b>3700 kg (8,200 lb) Counterweight + Medium 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	—	—	21 000 (46,300)	46 (6.7)
<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)	21 300 (47,000)	49.1 (7.1)

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

# 320 GC Hydraulic Excavator Specifications

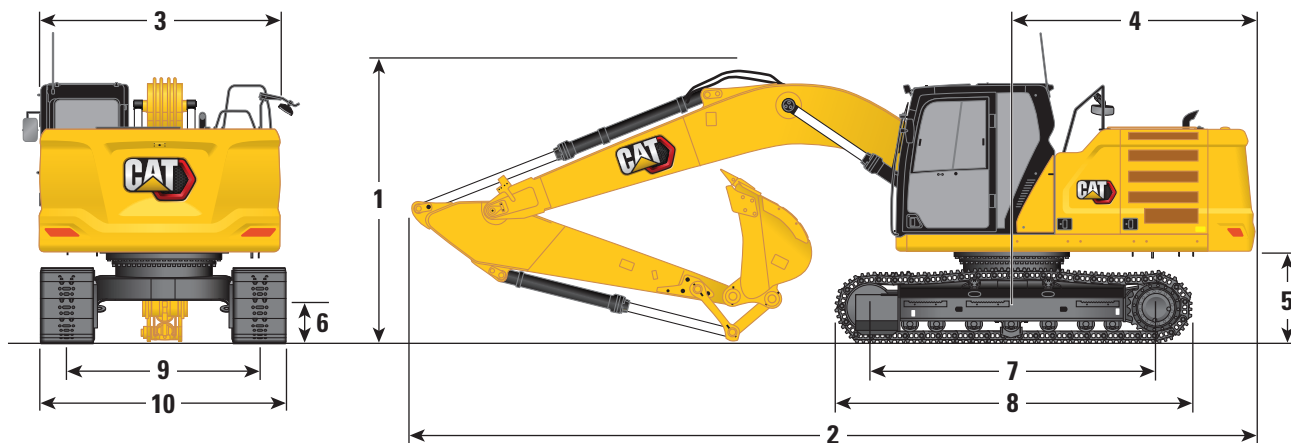
## Major Component Weights

	kg	lb
Base Machine Weight (with 3700 kg [8,200 lb] counterweight, swing frame, base frame with HD track rollers and carrier rollers for medium undercarriage – does not include boom cylinders, boom, stick, bucket, stick cylinder, bucket cylinder, tracks, 90% fuel tank and 75 kg [165 lb] operator).	14 100	31,100
Base Machine Weight (with 3700 kg [8,200 lb] counterweight, swing frame, base frame with HD track rollers and carrier rollers for long undercarriage – 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, 10 mm (0.39") Thick, Triple Grouser Track Shoes for Medium Undercarriage	2700	6,000
600 mm (24") Width, 8.5 mm (0.33") Thick, Triple Grouser Track Shoes for Long Undercarriage	2600	5,730
600 mm (24") Width, 10 mm (0.39") Thick, Triple Grouser Track Shoes for Long Undercarriage	2820	6,200
Two Boom Cylinders	340	750
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	310	680
Counterweight:		
3700 kg (8,200 lb) Counterweight	3700	8,200
Swing Frame:		
Standard Swing Frame	1880	4,140
Undercarriages (without track shoes):		
Standard Base Frame with HD Track Rollers and Standard Carrier Rollers for Medium Undercarriage	4140	9,100
Standard Base Frame with HD Track Rollers and Standard Carrier Rollers for Long Undercarriage	4390	9,680
Boom (including lines, pins, stick cylinder):		
Reach Boom 5.7 m (18'8")	1690	3,720
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick R2.9B1 (9'6")	1080	2,380
Reach Bare Stick R2.9B1 (9'6")	1070	2,360
Reach Stick R2.5B1 (8'2")	1020	2,250
Buckets (without linkage):		
1.0 m <sup>3</sup> (1.31 yd <sup>3</sup> ) GD Bucket	740	1,620
1.0 m <sup>3</sup> (1.31 yd <sup>3</sup> ) Heavy Duty (HD) Bucket	880	1,940
Quick Couplers:		
Universal Quick Coupler	230	510
Pin Grabber Quick Coupler	390	860

# 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

R2.9B1 (9'6")

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

R2.5B1 (8'2")

### Undercarriage Options:

Medium

Long

Long

#### 1 Machine Height:

Top of Cab Height	2960 mm	9'9"	2960 mm	9'9"	2960 mm	9'9"
Top of OPG Height	3100 mm	10'2"	3100 mm	10'2"	3100 mm	10'2"
Handrail Height	2950 mm	9'8"	2950 mm	9'8"	2950 mm	9'8"
With Boom/Stick/Bucket Installed	3080 mm	10'1"	3080 mm	10'1"	3080 mm	10'1"
With Boom/Stick Installed	2830 mm	9'3"	2830 mm	9'3"	2830 mm	9'3"
With Boom Installed	2480 mm	8'1"	2480 mm	8'2"	2480 mm	8'2"

#### 2 Machine Length:

With Boom/Stick/Bucket Installed	9530 mm	31'3"	9530 mm	31'3"	9530 mm	31'3"
With Boom/Stick Installed	9500 mm	31'2"	9500 mm	31'2"	9480 mm	31'1"
With Boom Installed	8450 mm	27'9"	8450 mm	27'9"	8450 mm	27'9"

#### 3 Upperframe Width

	2780 mm	9'1"	2780 mm	9'1"	2780 mm	9'1"
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#### 4 Tail Swing Radius

	2830 mm	9'4"	2830 mm	9'3"	2830 mm	9'3"
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#### 5 Counterweight Clearance

	1050 mm	3'5"	1050 mm	3'5"	1050 mm	3'5"
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#### 6 Ground Clearance

	470 mm	1'6"	470 mm	1'7"	470 mm	1'7"
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#### 7 Length to Center of Rollers

	3450 mm	11'4"	3650 mm	12'0"	3650 mm	12'0"
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#### 8 Track Length

	4250 mm	13'11"	4450 mm	14'7"	4450 mm	14'7"
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#### 9 Track Gauge

	2380 mm	7'10"	2380 mm	7'10"	2380 mm	7'10"
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#### 10 Undercarriage Width:

600 mm (24") Shoes	2980 mm	9'9"	2980 mm	9'9"	2980 mm	9'9"
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#### Bucket Type

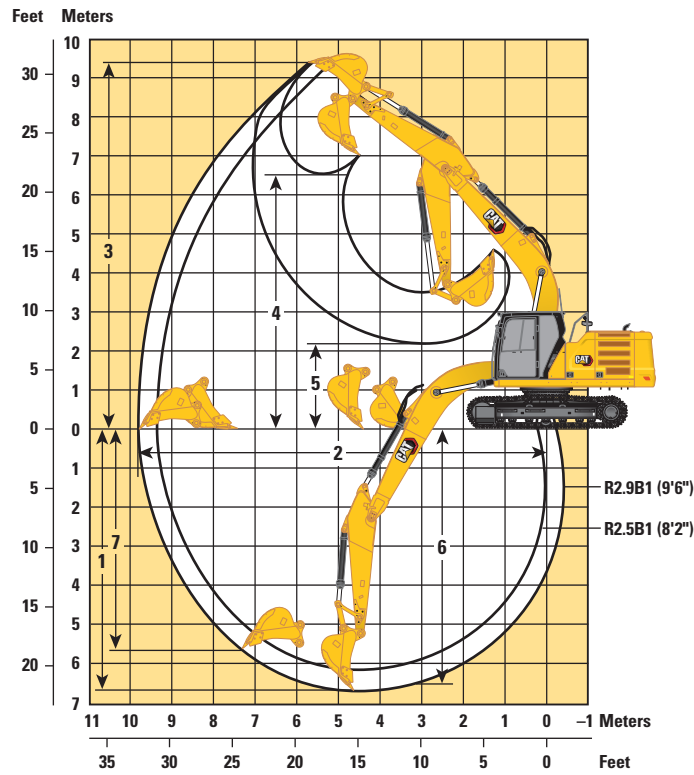
GD

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>	1.0 m <sup>3</sup>	1.31 yd <sup>3</sup>
Bucket Tip Radius	1571 mm	5'2"	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  
R2.9B1 (9'6")

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

### Undercarriage Options:

Medium

Long

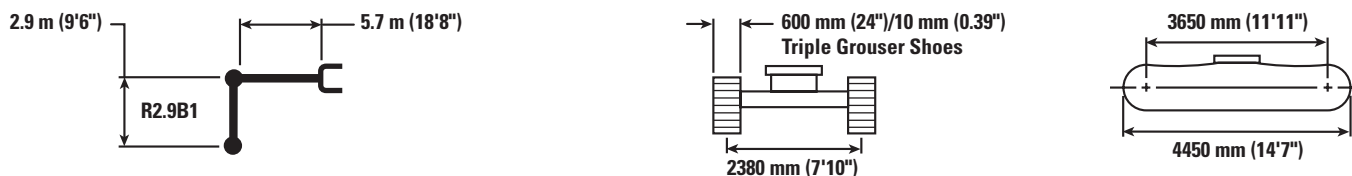
Long

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

Medium 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 lb							*4300	*4300			*3750 *8,300	*3750 *8,300	6150 19'9"
6000 mm 20'0"	kg lb							*4950 *10,850	4950 10,600			*3450 *7,600	*3450 *7,600	7290 23'8"
4500 mm 15'0"	kg lb							*5450 *11,800	4800 10,300	4850 10,400	3350 7,200	*3400 *7,450	3000 6,650	7990 26'1"
3000 mm 10'0"	kg lb					*7950 *17,050	6950 15,000	*6250 *13,500	4550 9,800	4750 10,150	3250 7,000	*3450 *7,600	2750 6,050	8360 27'4"
1500 mm 5'0"	kg lb					*9600 *20,700	6450 13,950	6450 13,800	4300 9,300	4600 9,900	3150 6,750	*3700 *8,050	2650 5,800	8450 27'8"
0 mm 0 in	kg lb			*5750 *13,250	*5750 *13,250	9750 20,900	6200 13,350	6250 13,400	4150 8,950	4550 9,750	3050 6,600	3950 8,700	2700 5,900	8260 27'1"
-1500 mm -5'0"	kg lb	*6150 *13,750	*6150 *13,750	*10 000 *22,650	*10 000 *22,650	9650 20,700	6100 13,150	6150 13,250	4100 8,800	4500 9,650	3050 6,550	4300 9,450	2900 6,400	7780 25'5"
-3000 mm -10'0"	kg lb	*10 600 *23,750	*10 600 *23,750	*14 100 *30,550	11 950 25,600	9700 20,850	6150 13,250	6200 13,350	4100 8,850			5050 11,200	3400 7,550	6950 22'8"
-4500 mm -15'0"	kg lb			*11 250 *24,050	*11 250 *24,050	*8100 *17,200	6350 13,700					*6100 *13,400	4700 10,600	5600 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 ±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.

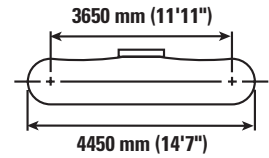
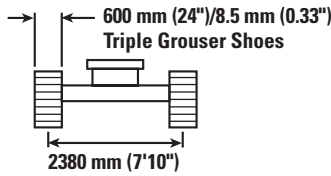
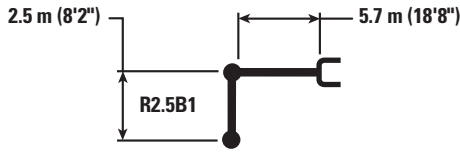
Regional regulations may require the use of an overload warning device and boom and stick lowering control valves during object handling applications.

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/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm ft/in		
7500 mm 25'0"	kg lb									*4550 *10,100	*4550 *10,100	5600 17'11"
6000 mm 20'0"	kg lb					*5400 *11,800	4950 10,650			*4150 *9,150	4000 8,900	6830 22'2"
4500 mm 15'0"	kg lb			*6750 *14,600	*6750 *14,600	*5800 *12,650	4800 10,350	*4600 3400		*4050 *8,950	3350 7,400	7570 24'8"
3000 mm 10'0"	kg lb			*8500 *18,350	6950 15,000	*6600 *14,250	4600 9,900	5150 11,100	3300 7,100	*4150 *9,150	3050 6,650	7960 26'0"
1500 mm 5'0"	kg lb			*10 050 *21,700	6550 14,050	7050 15,200	4400 9,450	5050 10,900	3200 6,900	*4450 *9,750	2900 6,400	8050 26'4"
0 mm 0 in	kg lb			*10 750 *23,200	6300 13,600	6900 14,850	4250 9,150	5000 10,750	3150 6,800	4700 10,300	2950 6,500	7860 25'9"
-1500 mm -5'0"	kg lb	*10 550 *23,950	*10 550 *23,950	*10 600 *22,950	6300 13,500	6850 14,750	4200 9,050			5150 11,350	3250 7,150	7350 24'0"
-3000 mm -10'0"	kg lb	*13 300 *28,800	12 350 26,450	*9650 *20,800	6400 13,700	6950 14,900	4300 9,200			6250 13,850	3900 8,650	6470 21'0"
-4500 mm -15'0"	kg lb			*7200 *15,100	6650 14,300					*6250 *13,650	5750 12,600	4980 16'0"



ISO 10567:2007



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

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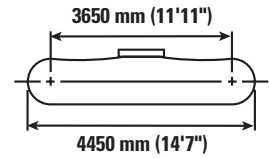
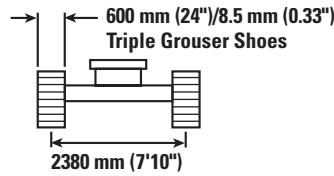
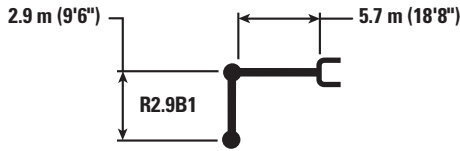
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# 320 GC Hydraulic Excavator Specifications

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

Long 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 lb							*4350	*4350			*3750	*3750	6150 19'9"
6000 mm 20'0"	kg lb							*4950	*4950			*3500	*3500	7290 23'8"
4500 mm 15'0"	kg lb							*5450	4900	*5150	3450	*3400	3100	7990 26'1"
3000 mm 10'0"	kg lb					*7950	7100	*6250	4650	5200	3350	*3500	2800	8360 27'4"
1500 mm 5'0"	kg lb					*9650	6600	7100	4400	5100	3250	*3700	2700	8450 27'8"
0 mm 0 in	kg lb			*5800	*5800	*10 600	6350	6900	4250	5000	3150	*4100	2750	8260 27'1"
-1500 mm -5'0"	kg lb	*6150	*6150	*10 000	*10 000	*10 700	6250	6850	4200	4950	3100	4700	3000	7780 25'5"
-3000 mm -10'0"	kg lb	*10 600	*10 600	*14 150	12 200	*10 000	6300	6850	4200			5600	3500	6950 22'8"
-4500 mm -15'0"	kg lb			*11 300	*11 300	*8150	6500					*6150	4800	5600 18'0"
				*24,200	*24,200	*17,300	14,000					*13,500	10,850	



ISO 10567:2007



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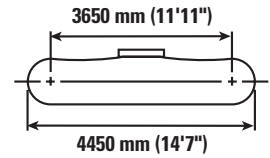
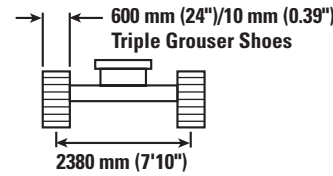
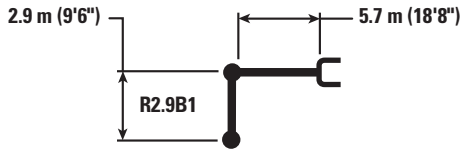
Regional regulations may require the use of an overload warning device and boom and stick lowering control valves during object handling applications.

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# 320 GC Hydraulic Excavator Specifications

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

Long 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 lb							*4350	*4350			*3750	*3750	6150 19'9"
6000 mm 20'0"	kg lb							*4950	*4950			*3500	*3500	7290 23'8"
4500 mm 15'0"	kg lb							*5450	4900	*5150	3450	*3400	3150	7990 26'1"
3000 mm 10'0"	kg lb					*7950	7150	*6250	4700	5250	3350	*3500	2850	8360 27'4"
1500 mm 5'0"	kg lb					*9650	6650	*7100	4450	5150	3250	*3700	2750	8450 27'8"
0 mm 0 in	kg lb			*5800	*5800	*10 600	6400	7000	4300	5050	3200	*4100	2800	8260 27'1"
-1500 mm -5'0"	kg lb	*6150	*6150	*10 000	*10 000	*10 700	6300	6900	4250	5000	3150	4750	3000	7780 25'5"
-3000 mm -10'0"	kg lb	*10 600	*10 600	*14 150	12 350	*10 000	6400	6950	4250			5650	3550	6950 22'8"
-4500 mm -15'0"	kg lb			*11 300	*11 300	*8150	6550					*6150	4850	5600 18'0"
				*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

## Bucket Specifications and Compatibility – Chile, Colombia

	Linkage	Undercarriage							Medium	Long
		Width		Capacity		Weight		Fill	Reach Boom	Reach Boom
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb	%	R2.9 (9'6")	R2.9 (9'6")
<b>Pin-On (No Quick Coupler)</b>										
General Duty	B	1050	42	1.00	1.31	737	1,624	100	●	●
	B	1050	42	1.16	1.52	848	1,869	100	⊖	⊖
Heavy Duty	B	1050	42	1.00	1.31	892	1,967	100	⊙	
	B	1200	48	1.19	1.56	928	2,046	100	⊖	
Heavy Duty Spade	B	1350	54	1.40	1.83	1025	2,260	100	○	
Severe Duty	B	1200	48	1.19	1.56	1038	2,289	90	⊖	
Severe Duty Spade	B	1200	48	1.20	1.57	1011	2,229	90	⊖	
	B	1350	54	1.56	2.04	1213	2,674	90		
General Duty	312, A	900	36	0.53	0.69	403	888	100		
Ditch Cleaning	312, A	1200	48	0.57	0.74	386	851	100		
Maximum load with pin-on (payload + bucket)								kg	2425	2747
								lb	5,346	6,056
<b>With Cat Pin Grabber Coupler</b>										
General Duty	B	1050	42	1.00	1.31	737	1,624	100	⊖	
	B	1050	42	1.16	1.52	848	1,869	100	○	
Heavy Duty	B	1050	42	1.00	1.31	892	1,967	100	○	
	B	1200	48	1.19	1.56	928	2,046	100	○	
Heavy Duty Spade	B	1350	54	1.40	1.83	1025	2,260	100	◇	
Severe Duty	B	1200	48	1.19	1.56	1038	2,289	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/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 Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility – Turkey

	Linkage	Undercarriage						Long		
		Width		Capacity		Weight		Fill	Reach Boom	
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb	%	R2.5 (8'2")	R2.9 (9'6")
<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
<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>)

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 – Chile, Colombia

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

Match    
  \* Working range front only    
  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

Undercarriage		Medium	Long
Boom Type		Reach	Reach
Stick Length		R2.9 (9'6")	R2.9 (9'6")
Hydraulic Hammers	H115 GC		✓
	H115 GC S		✓
	H115 S	✓	✓
	H120 GC	✓	✓
	H120 GC Side Mount	✓	✓
	H120 GC S	✓	✓
	H120 S	✓	✓
	H130 GC	✓	
	H130 GC S	✓	
	H130 S	✓	
Multi-Processors	MP318 Concrete Cutter Jaw	✓	✓
	MP318 Demolition Jaw	✓	✓
	MP318 Pulverizer Jaw	✓	✓
	MP318 Shear Jaw	✓	✓
	MP318 Universal Jaw	✓	✓
Demolition and Sorting Grapples	G318	✓	✓
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓*	✓
Pulverizers	P218 Secondary Pulverizer	✓	✓
	P318 Primary Pulverizer	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓
Rotary Cutters	RC20	✓	✓
Orange Peel Grapples	GSH420-500	●	
	GSH420-600	●	
	GSH420-750	●	
	GSH425-750	○	
	GSH520-500	●	
	GSH520-600	●	
	GSH520-750	○	

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# 320 GC Hydraulic Excavator Specifications

## Attachments Offering Guide – Chile, Colombia (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

Undercarriage		Medium	Long
Boom Type		Reach	Reach
Stick Length		R2.9 (9'6")	R2.9 (9'6")
Hydraulic Hammers	H115 GC		✓
	H115 GC S		✓
	H115 S	✓	✓
	H120 GC	✓	✓†
	H120 GC Side Mount	✓	✓†
	H120 GC S	✓	✓†
	H120 S	✓	✓†
	H130 S	✓	✓†
Multi-Processors	MP318 Concrete Cutter Jaw		✓*
	MP318 Demolition Jaw		✓*
	MP318 Shear Jaw	✓*	✓
	MP318 Universal Jaw		✓*
Demolition and Sorting Grapples	G318		✓*
Compactors (Vibratory Plate)	CVP110	✓	✓
Rotary Cutters	RC20	✓	✓

### S70 DEDICATED COUPLER ATTACHMENTS

Undercarriage		Medium	Long
Boom Type		Reach	Reach
Stick Length		R2.9 (9'6")	R2.9 (9'6")
Hydraulic Hammers	H115 GC		✓
	H115 GC S		✓
	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	G318	✓*	✓
Pulverizers	P218 Secondary Pulverizer		✓*
	P318 Primary Pulverizer		✓*
Compactors (Vibratory Plate)	CVP110	✓	✓
Rotary Cutters	RC20	✓	✓

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# 320 GC Hydraulic Excavator Specifications

## Attachments Offering Guide – Chile, Colombia (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

### HCS70 DEDICATED COUPLER ATTACHMENTS

Undercarriage		Medium	Long
Boom Type		Reach	Reach
Stick Length		R2.9 (9'6")	R2.9 (9'6")
Hydraulic Hammers	H115 S	✓	✓
	H120 GC		✓†
	H120 S	✓	✓†
	H130 S	✓	✓†
Multi-Processors	MP318 Concrete Cutter Jaw		✓*
	MP318 Demolition Jaw		✓*
	MP318 Shear Jaw	✓*	✓
	MP318 Universal Jaw		✓*
Demolition and Sorting Grapples	G318		✓*
Compactors (Vibratory Plate)	CVP110	✓	✓
Rotary Cutters	RC20	✓	✓

### HCS70/55 DEDICATED COUPLER ATTACHMENTS

Undercarriage		Medium	Long
Boom Type		Reach	Reach
Stick Length		R2.9 (9'6")	R2.9 (9'6")
Hydraulic Hammers	H115 S	✓	✓
	H120 GC		✓†
	H120 S	✓	✓†
	H130 S	✓	✓*
Multi-Processors	MP318 Concrete Cutter Jaw		✓*
	MP318 Demolition Jaw		✓*
	MP318 Shear Jaw	✓*	✓*
Demolition and Sorting Grapples	G318		✓*
Compactors (Vibratory Plate)	CVP110	✓	✓
Rotary Cutters	RC20	✓	✓

### BOOM-MOUNT ATTACHMENTS

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

# 320 GC Hydraulic Excavator Specifications

## Attachments Offering Guide – Turkey

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

Undercarriage		Long	
Boom Type		Reach	
Stick Length		R2.5 (8'2")	R2.9 (9'6")
Hydraulic Hammers	H115 GC	✓	✓
	H115 GC S	✓	✓
	H115 S	✓	✓
	H120 GC	✓	✓
	H120 GC Side Mount	✓	✓
	H120 GC S	✓	✓
	H120 S	✓	✓
	H130 GC	✓†	
	H130 GC S	✓†	
	H130 S	✓	✓†
	Multi-Processors	MP318 Concrete Cutter Jaw	✓
MP318 Demolition Jaw		✓	✓
MP318 Pulverizer Jaw		✓	✓
MP318 Shear Jaw		✓	✓
MP318 Universal Jaw		✓	✓
Demolition and Sorting Grapples	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	✓	✓

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# 320 GC Hydraulic Excavator Specifications

## Attachments Offering Guide – Turkey (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>)    
  600 kg/m<sup>3</sup> (1,000 lb/yd<sup>3</sup>)

### PIN-ON ATTACHMENTS

Undercarriage		Long		
Boom Type		Reach		
Stick Length		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	○		
	GSV420-400	●	●	
	GSV420-500	●	●	
	GSV420-600	●	●	
	GSV420-750	●	●	
	GSV420-1250	◇	◇	
	GSV425-600	●	●	
	GSV425-750	●	○	
	GSV425-950	○		
	GSV425-1550	◇	◇	
	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	○	

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# 320 GC Hydraulic Excavator Specifications

## Attachments Offering Guide – Turkey (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

Undercarriage		Long	
Boom Type		Reach	
Stick Length		R2.5 (8'2")	R2.9 (9'6")
Hydraulic Hammers	H115 GC	✓	✓
	H115 GC S	✓	✓
	H115 S	✓	✓
	H120 GC	✓†	✓†
	H120 GC Side Mount	✓	✓
	H120 GC S	✓†	✓†
	H120 S	✓†	✓†
	H120 GC S	✓†	✓†
	H120 S	✓†	✓†
	H130 GC	✓†*	
	H130 GC S	✓†*	
	H130 S	✓†	✓†
	Multi-Processors	MP318 Concrete Cutter Jaw	✓
MP318 Demolition Jaw		✓	✓*
MP318 Pulverizer Jaw		✓*	
MP318 Shear Jaw		✓	✓
MP318 Universal Jaw		✓	✓*
Demolition and Sorting Grapples	G317 GC	✓	✓
	G318	✓	✓*
	G318 WH-800	✓	✓
	G318 WH-1100	✓*	
Pulverizers	P218 Secondary Pulverizer	✓*	
	P318 Primary Pulverizer	✓*	
Compactors (Vibratory Plate)	CVP110	✓	✓

(continued on next page)

# 320 GC Hydraulic Excavator Specifications

## Attachments Offering Guide – Turkey (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

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

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# 320 GC Hydraulic Excavator Specifications

## Attachments Offering Guide – Turkey (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

Undercarriage		Long	
Boom Type		Reach	
Stick Length		R2.5 (8'2")	R2.9 (9'6")
Hydraulic Hammers	H115 GC	✓	✓
	H115 GC S	✓	✓
	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 Flat Top	✓*	
Pulverizers	P218 Secondary Pulverizer	✓	✓
	P318 Primary Pulverizer	✓	✓*
Compactors (Vibratory Plate)	CVP110	✓	✓

### BOOM-MOUNT ATTACHMENTS

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

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

(continued on next page)

\*Connect subscription only. Additional subscriptions are available. Contact your Cat dealer for availability.

<sup>1</sup>Chile and Colombia only

<sup>2</sup>Turkey only

# 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	✓		Medium undercarriage	✓ <sup>5</sup>	
Hammer return filter circuit		✓	Long undercarriage	✓ <sup>6</sup>	
Basic Tool Control (one pump, one way high-pressure flow)		✓	600 mm (24")/8.5 mm (0.33") triple grouser track shoes	✓ <sup>2</sup>	
Tool Control (two pump, one/two way high-pressure flow)		✓	600 mm (24")/10 mm (0.39") triple grouser track shoes	✓ <sup>1</sup>	
Quick coupler circuit for Cat pin grabber		✓	Tie-down points on base frame	✓	
Operating pattern film (four way)	✓		Center track guiding guard	✓	
Multi viscous hydraulic oil		✓	Bottom guards	✓	
<b>SAFETY AND SECURITY</b>			Travel motor guards	✓	
Auto hammer stop	✓		Swivel guard		✓
Rearview camera	✓ <sup>3</sup>		Grease lubricated track links	✓	
Right-hand-side mirror		✓ <sup>1</sup>	3700 kg (8,200 lb) counterweight	✓	
Right-hand-sideview cameras		✓ <sup>3</sup>			
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	✓				
Lockable disconnect switch	✓				
RH handrail and handhold	✓				
Inspection lighting		✓ <sup>1</sup>			
Travel alarm		✓ <sup>4</sup>			

<sup>1</sup>Chile and Colombia only

<sup>2</sup>Turkey only

<sup>3</sup>Mandatory in Turkey

<sup>4</sup>Standard in Chile and Colombia

<sup>5</sup>Standard in Colombia, optional in Chile, not available in Turkey

<sup>6</sup>Standard in Turkey, optional in Chile, not available in Colombia

## Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

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### CAB

- Lower radial wiper
- Rain protector plus cab light cover
- Polycarbonate roof hatch
- Sun visor, slider
- Laminated P5A glass front windshield
- LH/RH electrical pedal for tool control
- Armrest kit
- Dual exit rear window kit
- 75 mm (3") retractable seat belt
- Lunch box net
- Rear storage
- Tool box

### GUARDS

- Swivel guard
- Side rubber bumper guard
- Operator Protective Guards
- Mesh guard full front
- Mesh guard half front
- Full protecting vandalism guard

### MAINTENANCE

- Duct ready kit

### SAFETY AND SECURITY

- Bluetooth receiver

# 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 (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.*

## 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)

- 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
  - The latest 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 16714:2008 (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 16714:2008 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%



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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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AEXQ3518-02 (04-2024)  
Replaces AEXQ3518-01  
Build Number: 07G  
(Chile, Colombia, Turkey)

