



320 GC

Hydraulic Excavator

Technical Specifications

Engine

Engine Model	Cat® C4.4
Engine Power (ISO 9249)	90 kW/121 hp/165 ps
Engine Power (ISO 14396)	91 kW/122 hp/166 ps
Bore	105 mm
Stroke	127 mm
Displacement	4.4 L

- The 320 GC meets EU Stage IV emission standards.
- Recommended for use up to 4500 m altitude with engine power derate above 3000 m.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
- Rating at 2,000 rpm.

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 CO₂ equivalent of 1.287 metric tonnes.

Swing Mechanism

Swing Speed	11.6 rpm
Maximum Swing Torque	74 kN·m

Weights

Operating Weight	21 900 kg
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- Reach boom, R2.9 stick, GD 1.0 m³ bucket and 700 mm triple grouser shoes.

Track

Optional Track Shoes Width	600 mm
Optional Track Shoes Width	700 mm
Optional Track Shoes Width	790 mm
Number of Shoes (each side)	49
Number of Track Rollers (each side)	8
Number of Carrier Rollers (each side)	2

Drive

Maximum Gradeability	35°/70%
Maximum Travel Speed	5.9 km/h
Maximum Drawbar Pull – Standard Undercarriage	205 kN

Hydraulic System

Main System – Maximum Flow (Implement)	442 L/min (221 × 2 pumps)
Maximum Pressure – Equipment	35 000 kPa
Maximum Pressure – Travel	34 300 kPa
Maximum Pressure – Swing	26 800 kPa
Boom Cylinder – Bore	120 mm
Boom Cylinder – Stroke	1260 mm
Stick Cylinder – Bore	135 mm
Stick Cylinder – Stroke	1504 mm
Bucket Cylinder – Bore	115 mm
Bucket Cylinder – Stroke	1104 mm

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Service Refill Capacities

Fuel Tank Capacity	345 L
Cooling System	25 L
Engine Oil	15 L
Swing Drive (each)	5 L
Final Drive (each)	5 L
Hydraulic System (including tank)	234 L
Hydraulic Tank	115 L
DEF Tank	39 L

Standards

Brakes	ISO 10265:2008
Cab/FOGS	ISO 10262:1998
Cab/ROPS	ISO 12117-2:2008

Sound Performance

ISO 6395 (external)	101 dB(A)
ISO 6396 (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 Triple Grouser Shoes		700 mm Triple Grouser Shoes	
	Weight kg	Ground Pressure kPa	Weight kg	Ground Pressure kPa
4.2 mt Counterweight Base Machine				
Reach Boom + R2.9 Stick + 1.0 m ³ GD Bucket	21 500	44.7	21 900	39.0

All operating weights include a 90% fuel tank with 75 kg operator.

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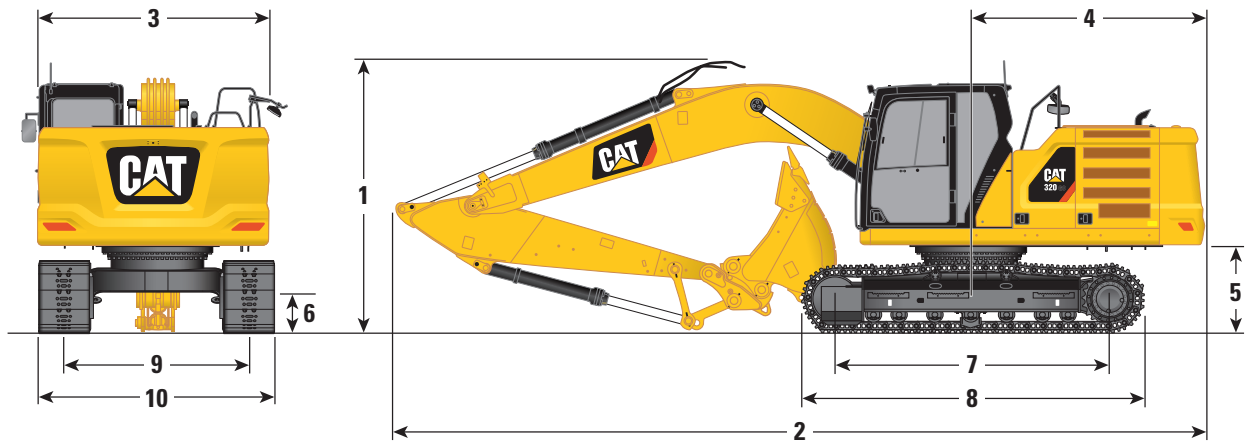
Major Component Weights

	kg
Base Machine (with 4.2 mt counterweight, semi-HD swing frame, standard base frame with HD track rollers and standard carrier rollers for long undercarriage, without boom cylinders – does not include 90% fuel and 75 kg operator.)	14 800
Track Shoes:	
600 mm Width, 8.5 mm Thick Triple Grouser Track Shoes	2600
700 mm Width, 10 mm Thick Triple Grouser Track Shoes	3020
790 mm Width, 10 mm Thick Triple Grouser Track Shoes with Step Extension for ISO 2867	3290
Two Boom Cylinders	340
Weight of 90% Fuel Tank and 75 kg Operator	310
Counterweight:	
4.2 mt Counterweight	4200
Swing Frame:	
Semi-HD Swing Frame	1910
Long Undercarriage without Track Shoes:	
Standard Base Frame with HD Track Rollers and Standard Carrier Rollers for Long Undercarriage	4390
Boom (including lines, pins, stick cylinder):	
Reach Boom 5.7 m	1690
Sticks (including lines, pins, bucket cylinder, bucket linkage):	
Reach Stick (R2.5B1)	970
Reach Stick (R2.9B1)	980
Bucket (without linkage):	
1.0 m ³ GD	735
Quick Couplers:	
CW Dedicated QC	230
Pin Grabber QC	390

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Dimensions

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



Boom Option

Reach Boom 5.7 m

Stick Options

Reach Stick R2.9B1

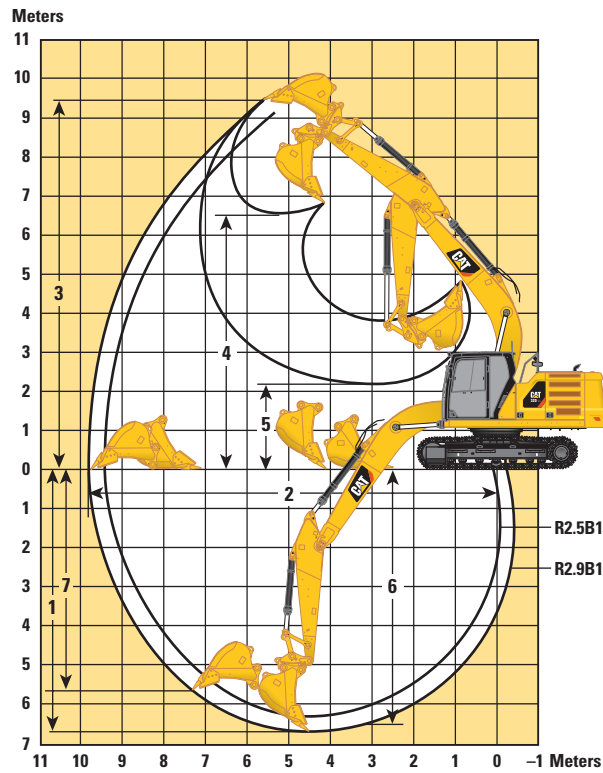
Reach Stick R2.5B1

Stick Options	Reach Stick R2.9B1	Reach Stick R2.5B1
1 Machine Height:		
Top of Cab Height	2960 mm	2960 mm
Top of FOGS Height	3100 mm	3100 mm
Handrails Height	2950 mm	2950 mm
With Boom/Stick/Bucket Installed	3160 mm	3080 mm
With Boom/Stick Installed	2910 mm	2830 mm
With Boom Installed	2480 mm	2480 mm
2 Machine Length:		
With Boom/Stick/Bucket Installed	9530 mm	9530 mm
With Boom/Stick Installed	9500 mm	9480 mm
With Boom Installed	8450 mm	8450 mm
3 Upperframe Width without Walkways	2780 mm	2780 mm
4 Tail Swing Radius	2830 mm	2830 mm
5 Counterweight Clearance	1050 mm	1050 mm
6 Ground Clearance	470 mm	470 mm
7 Length to Center of Rollers	3650 mm	3650 mm
8 Track Length	4450 mm	4450 mm
9 Track Gauge	2380 mm	2380 mm
Track Width:		
600 mm Shoes	600 mm	600 mm
700 mm Shoes	700 mm	700 mm
790 mm Shoes	790 mm	790 mm
10 Undercarriage Width (with steps/without steps):		
600 mm Shoes	2980 mm	2980 mm
700 mm Shoes	3080 mm	3080 mm
790 mm Shoes	3170 mm	3170 mm
Bucket Type	GD	GD
Bucket Capacity	1.0 m ³	1.0 m ³
Bucket Tip Radius	1570 mm	1570 mm

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Working Ranges

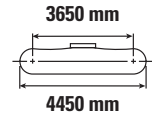
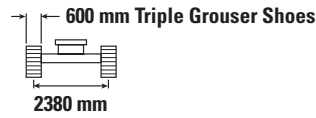
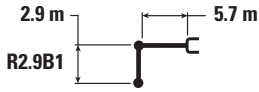
All dimensions are approximate and may vary depending on bucket selection.



Boom Option	Reach Boom 5.7 m	
	Reach Stick R2.9B1	Reach Stick R2.5B1
1 Maximum Digging Depth	6720 mm	6300 mm
2 Maximum Reach at Ground Line	9860 mm	9470 mm
3 Maximum Cutting Height	9450 mm	9250 mm
4 Maximum Loading Height	6490 mm	6290 mm
5 Minimum Loading Height	2170 mm	2590 mm
6 Maximum Depth Cut for 2440 mm Level Bottom	6550 mm	6110 mm
7 Maximum Vertical Wall Digging Depth	5690 mm	5290 mm
Bucket Digging Force (ISO)	129 kN	129 kN
Stick Digging Force (ISO)	99 kN	110 kN
Bucket Type	GD	GD
Bucket Capacity	1.0 m ³	1.0 m ³
Bucket Tip Radius	1570 mm	1570 mm

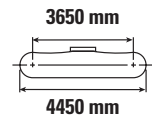
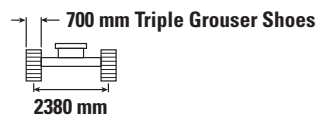
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Reach Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket



		1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
7500 mm	kg							*4350	*4350			*3750	*3750	6150
6000 mm	kg							*4950	*4950			*3500	*3500	7290
4500 mm	kg							*5450	5300	*5150	3800	*3400	3400	7990
3000 mm	kg					*7950	7750	*6250	5100	*5450	3700	*3500	3100	8360
1500 mm	kg					*9650	7250	*7100	4850	5550	3550	*3700	3000	8450
0 mm	kg			*5800	*5800	*10 600	7000	7500	4700	5450	3500	*4100	3050	8260
-1500 mm	kg	*6150	*6150	*10 000	*10 000	*10 700	6900	7450	4650	5400	3450	*4800	3300	7780
-3000 mm	kg	*10 600	*10 600	*14 150	13 450	*10 000	6950	*7450	4650			6100	3850	6950
-4500 mm	kg			*11 300	*11 300	*8150	7150					*6150	5300	5600

Reach Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket



		1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
7500 mm	kg							*4350	*4350			*3750	*3750	6150
6000 mm	kg							*4950	*4950			*3500	*3500	7290
4500 mm	kg							*5450	5350	*5150	3800	*3400	*3400	7990
3000 mm	kg					*7950	7800	*6250	5150	*5450	3700	*3500	3150	8360
1500 mm	kg					*9650	7350	*7100	4900	5600	3600	*3700	3050	8450
0 mm	kg			*5800	*5800	*10 600	7050	7600	4750	5500	3500	*4100	3100	8260
-1500 mm	kg	*6150	*6150	*10 000	*10 000	*10 700	7000	7500	4700	5450	3500	*4800	3350	7780
-3000 mm	kg	*10 600	*10 600	*14 150	13 550	*10 000	7050	*7450	4700			*6100	3900	6950
-4500 mm	kg			*11 300	*11 300	*8150	7250					*6150	5350	5600



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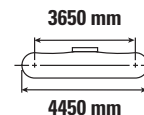
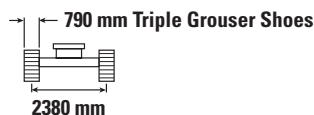
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Lift capacity stays with ±5% for all available track shoes.

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

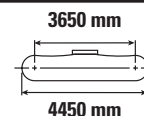
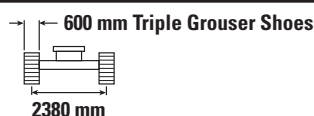
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Reach Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket



		1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
7500 mm	kg							*4350	*4350			*3750	*3750	6150
6000 mm	kg							*4950	*4950			*3500	*3500	7290
4500 mm	kg							*5450	5450	*5150	3850	*3400	*3400	7990
3000 mm	kg					*7950	7900	*6250	5200	*5450	3750	*3500	3200	8360
1500 mm	kg					*9650	7400	*7100	5000	5650	3650	*3700	3100	8450
0 mm	kg			*5800	*5800	*10 600	7150	7700	4800	5550	3550	*4100	3150	8260
-1500 mm	kg	*6150	*6150	*10 000	*10 000	*10 700	7050	7600	4750	5550	3550	*4800	3400	7780
-3000 mm	kg	*10 600	*10 600	*14 150	13 700	*10 000	7150	*7450	4750			*6100	3950	6950
-4500 mm	kg			*11 300	*11 300	*8150	7300					*6150	5450	5600

Reach Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket



		3000 mm		4500 mm		6000 mm		7500 mm		mm		
7500 mm	kg									*4550	*4550	5600
6000 mm	kg					*5400	*5400			*4150	*4150	6830
4500 mm	kg			*6750	*6750	*5800	5250	*4600	3750	*4050	3700	7570
3000 mm	kg			*8500	7600	*6600	5050	5600	3650	*4150	3350	7960
1500 mm	kg			*10 050	7200	*7350	4850	5500	3550	*4450	3250	8050
0 mm	kg			*10 750	7000	7500	4700	5450	3500	*4950	3300	7860
-1500 mm	kg	*10 550	*10 550	*10 600	6950	7450	4650			5600	3600	7350
-3000 mm	kg	*13 300	*13 300	*9650	7050	*7100	4700			*6400	4300	6470
-4500 mm	kg			*7200	*7200					*6250	*6250	4980



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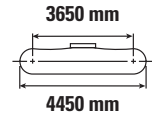
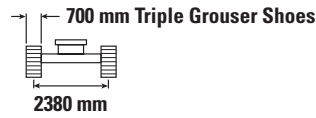
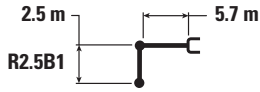
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








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

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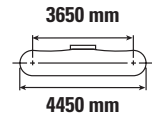
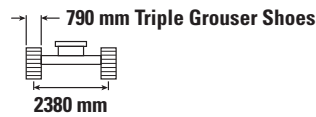
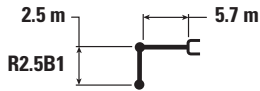
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








Reach Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket



		3000 mm		4500 mm		6000 mm		7500 mm				mm
												
7500 mm	kg									*4550	*4550	5600
6000 mm	kg					*5400	*5400			*4150	*4150	6830
4500 mm	kg			*6750	*6750	*5800	5300	*4600	3750	*4050	3700	7570
3000 mm	kg			*8500	7700	*6600	5100	5700	3700	*4150	3400	7960
1500 mm	kg			*10 050	7250	*7350	4900	5550	3600	*4450	3250	8050
0 mm	kg			*10 750	7050	7600	4750	5500	3550	*4950	3350	7860
-1500 mm	kg	*10 550	*10 550	*10 600	7000	7550	4700			5650	3600	7350
-3000 mm	kg	*13 300	*13 300	*9650	7100	*7100	4750			*6400	4350	6470
-4500 mm	kg			*7200	*7200					*6250	*6250	4980

Reach Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket



		3000 mm		4500 mm		6000 mm		7500 mm				mm
												
7500 mm	kg									*4550	*4550	5600
6000 mm	kg					*5400	*5400			*4150	*4150	6830
4500 mm	kg			*6750	*6750	*5800	5400	*4600	3800	*4050	3750	7570
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1500 mm	kg			*10 050	7350	*7350	4950	5650	3650	*4450	3300	8050
0 mm	kg			*10 750	7150	7700	4800	5550	3600	*4950	3350	7860
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-3000 mm	kg	*13 300	*13 300	*9650	7200	*7100	4850			*6400	4400	6470
-4500 mm	kg			*7200	*7200					*6250	*6250	4980



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

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320 GC Hydraulic Excavator Specifications

Bucket Specifications and Compatibility

	Linkage	Width mm	Capacity m ³	Weight kg	Fill %	4.2 mt Counterweight	
						Reach Boom	
						R2.5	R2.9
Pin-On (No Quick Coupler)							
General Duty (GD) – EU	B	600	0.46	551	100	●	●
	B	750	0.64	622	100	●	●
	B	900	0.81	668	100	●	●
	B	1050	1.00	734	100	●	●
	B	1200	1.19	803	100	●	●
	B	1300	1.30	835	100	●	⊙
	B	1400	1.43	870	100	X	X
General Duty (GD) – UK/ANZ (no adjuster)	B	600	0.46	546	100	●	●
	B	750	0.64	617	100	●	●
	B	1000	0.93	710	100	●	●
	B	1200	1.19	799	100	●	●
	B	1400	1.43	866	100	X	X
Heavy Duty (HD)	B	1050	1.00	880	100	●	●
	B	1200	1.19	907	100	●	⊙
	B	1300	1.30	962	100	⊙	⊖
Sever Duty (SD)	B	1050	1.00	964	90	●	●
Sever Duty (SDV)	B	1200	1.20	1001	90	●	●
Mud/Cleanup (M/CU)	B	1700	1.60	979	100	⊖	○
Ditch Cleaning (DC)	B	2000	1.22	869	100	●	⊙
Ditch Cleaning – Tilt (DCT)	B	2000	1.23	1096	100	⊙	⊖
Maximum load with pin-on (payload + bucket)					kg	3440	3180

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
- ⊙ 1800 kg/m³
- ⊖ 1500 kg/m³
- 1200 kg/m³
- 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

Bucket Specifications and Compatibility

	Linkage	Width mm	Capacity m ³	Weight kg	Fill %	4.2 mt Counterweight	
						Reach Boom	
						R2.5	R2.9
With Cat Pin Grabber Coupler							
General Duty (GD) – EU	B	600	0.46	551	100	●	●
	B	750	0.64	622	100	●	●
	B	900	0.81	668	100	●	●
	B	1050	1.00	734	100	●	●
	B	1200	1.19	803	100	⊙	⊖
	B	1300	1.30	835	100	⊖	⊖
	B	1400	1.43	870	100	⊖	○
General Duty (GD) – UK/ANZ	B	600	0.46	546	100	●	●
	B	750	0.64	617	100	●	●
	B	1000	0.93	710	100	●	●
	B	1200	1.19	799	100	⊙	⊖
	B	1500	1.58	906	100	○	X
Heavy Duty (HD)	B	1050	1.00	880	100	●	⊙
	B	1200	1.19	907	100	⊙	⊖
	B	1300	1.30	962	100	⊖	○
Sever Duty (SD)	B	1050	1.00	964	90	●	⊙
Sever Duty (SDV)	B	1200	1.20	1001	90	⊙	⊖
Ditch Cleaning (DC)	B	2000	1.22	869	100	⊙	⊖
Ditch Cleaning – Tilt (DCT)	B	2000	1.23	1096	100	⊖	○
Maximum load with coupler (payload + bucket)					kg	3019	2760

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
- ⊙ 1800 kg/m³
- ⊖ 1500 kg/m³
- 1200 kg/m³
- 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

Bucket Specifications and Compatibility

	Linkage	Width mm	Capacity m ³	Weight kg	Fill %	4.2 mt Counterweight	
						Reach Boom	
						R2.5	R2.9
With CW-40 Quick Coupler							
General Duty (GD) – CW40	B	900	0.81	658	100	●	●
	B	1050	1.00	704	100	●	●
	B	1200	1.19	764	100	●	⊙
	B	1300	1.30	804	100	⊙	⊖
Heavy Duty (HD) – CW40	B	600	0.46	611	100	●	●
	B	1200	1.19	877	100	⊙	⊙
	B	1300	1.30	931	100	X	X
Sever Duty (SD) – CW40	B	1200	1.20	985	90	●	⊙
Ditch Cleaning (DC) – CW40	B	2100	1.29	793	100	⊙	⊖
	B	2100	1.46	812	100	⊖	⊖
	B	1800	1.50	777	100	⊖	⊖
	B	1800	1.50	826	100	⊖	○
Ditch Cleaning – Tilt (DCT) – CW40	B	2000	1.76	867	100	○	○
Maximum load with coupler (payload + bucket)					kg	3191	2932
With CW-40S Quick Coupler							
General Duty (GD) – CW40S	B	600	0.46	503	100	●	●
	B	750	0.64	588	100	●	●
	B	900	0.81	655	100	●	●
	B	1200	1.19	770	100	●	⊙
	B	1300	1.30	801	100	⊙	⊖
	B	1400	1.43	837	100	⊖	⊖
Heavy Duty (HD) – CW40S	B	600	0.46	584	100	●	●
	B	1200	1.19	874	100	⊙	⊙
	B	1300	1.30	929	100	X	X
Ditch Cleaning (DC) – CW40S	B	2000	1.22	715	100	●	⊙
	B	2200	1.36	769	100	⊙	⊖
Ditch Cleaning – Tilt (DCT) – CW40S	B	2000	1.23	1142	100	⊖	⊖
Maximum load with coupler (payload + bucket)					kg	3209	2949

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
- ⊙ 1800 kg/m³
- ⊖ 1500 kg/m³
- 1200 kg/m³
- X Not Recommended

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320 GC Hydraulic Excavator Specifications

Attachments Offering Guide

PIN-ON ATTACHMENTS

Counterweight		4.2 mt	
Boom Type		Reach Boom	
Stick Length		2.5 m	2.9 m
Hydraulic Hammers	H115Es	✓	✓
	H120Es	✓	✓
	H130Es	✓	✓†
Multi-Processors	MP318 CC Jaw	✓	✓
	MP318 D Jaw	✓	✓
	MP318 P Jaw	✓	✓
	MP318 S Jaw	✓	✓
	MP318 U Jaw	✓	✓
Pulverizers	P215	✓	✓
Crushers	P315	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓
Mobile Scrap and Demolition Shears	S3025	✓	✓
Demolition and Sorting Grapples	G315B	✓	✓
Orange Peel Grapples		✓	✓
Rippers		✓	✓
CW Dedicated Couplers		✓	✓
Cat Pin Grabber Couplers		✓	✓

†Allowed usage on machine less than 50%

(continued on next page)

320 GC Hydraulic Excavator Specifications

Attachments Offering Guide *(continued)*

CAT PIN GRABBER COUPLER ATTACHMENTS

Counterweight		4.2 mt	
Boom Type		Reach Boom	
Stick Length		2.5 m	2.9 m
Hydraulic Hammers	H115Es	✓†	✓†
	H120Es	✓†	✓†
	H130Es	✓†	✓†
Multi-Processors	MP318 CC Jaw	✓	✓
	MP318 D Jaw	✓	✓
	MP318 P Jaw	✓	✓
	MP318 S Jaw	✓	✓
	MP318 U Jaw	✓	✓
Pulverizers	P215	✓	✓
Crushers	P315	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓
Mobile Scrap and Demolition Shears	S3025	✓	✓*
Demolition and Sorting Grapples	G315B	✓	✓
Orange Peel Grapples		✓	✓
Rippers		✓	✓

*Working range front only

†Allowed usage on machine less than 50%

(continued on next page)

320 GC Hydraulic Excavator Specifications

Attachments Offering Guide *(continued)*

CW-40 COUPLER ATTACHMENTS

Counterweight		4.2 mt	
Boom Type		Reach Boom	
Stick Length		2.5 m	2.9 m
Hydraulic Hammers	H115Es	✓†	✓†
	H120Es	✓†	✓†
	H130Es	✓†	✓†
Multi-Processors	MP318 CC Jaw	✓	✓
	MP318 D Jaw	✓	✓
	MP318 P Jaw	✓	✓
	MP318 S Jaw	✓	✓
	MP318 U Jaw	✓	✓
Pulverizers	P215	✓	✓
Crushers	P315	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓
Mobile Scrap and Demolition Shears	S3025	✓	✓
Demolition and Sorting Grapples	G315B	✓	✓
Orange Peel Grapples		✓	✓
Rippers		✓	✓

*Working range front only

†Allowed usage on machine less than 50%

(continued on next page)

320 GC Hydraulic Excavator Specifications

Attachments Offering Guide *(continued)*

CW-40s COUPLER ATTACHMENTS

Counterweight		4.2 mt	
Boom Type		Reach Boom	
Stick Length		2.5 m	2.9 m
Hydraulic Hammers	H115Es	✓†	✓†
	H120Es	✓†	✓†
	H130Es	✓†	✓†
Multi-Processors	MP318 CC Jaw	✓	✓
	MP318 D Jaw	✓	✓
	MP318 P Jaw	✓	✓
	MP318 S Jaw	✓	✓
	MP318 U Jaw	✓	✓
Pulverizers	P215	✓	✓
Crushers	P315	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓
Mobile Scrap and Demolition Shears	S3025	✓	✓
Demolition and Sorting Grapples	G315B	✓	✓
Orange Peel Grapples		✓	✓
Rippers		✓	✓

*Working range front only

†Allowed usage on machine less than 50%

BOOM-MOUNT ATTACHMENTS

Undercarriage		Long
Counterweight		4.2 mt
Boom Type		Reach Boom
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
ENGINE			UNDERCARRIAGE AND STRUCTURES		
Cat C4.4 single turbo diesel engine	✓		Track guiding guard, segmented two piece	✓	
Two selectable power modes	✓		Standard bottom guards	✓	
One-touch low idle with automatic engine speed control	✓		Standard travel motor guards	✓	
Automatic engine idle shutdown	✓		Grease lubricated track links	✓	
Work up to 3000 m above sea level without engine power de-rating	✓		4.2 mt counterweight	✓	
52° C high-ambient cooling capacity	✓		Semi-HD swing frame	✓	
Cold starting capability for -32° C	✓		Standard swing bearing	✓	
Double element air filter with integrated precleaner	✓		Base frame with HD track rollers and standard carrier rollers	✓	
Electric fuel priming pump	✓		Final drive with bio oil capable travel motor	✓	
On-demand electric cooling fans with auto-reverse function	✓		BOOM, STICKS AND LINKAGES		
Biodiesel capability up to B20	✓		600 mm triple grouser track shoes		✓
HYDRAULIC SYSTEM			700 mm triple grouser track shoes		✓
Boom and stick regeneration circuits	✓		790 mm triple grouser track shoes		✓
Boom/stick lowering check valves	✓		900 mm triple grouser track shoes		✓
SmartBoom™	✓		5.7 m Reach boom	✓	
Electronic main control valve	✓		2.9 m Reach stick		✓
Auto hydraulic oil warm up	✓		2.5 m Reach stick		✓
Automatic two-speed travel	✓		Bucket linkage, B1-family with lifting eye		✓
Boom and stick drift reduction valve	✓		Bucket linkage, B1-family without lifting eye		✓
Element type main hydraulic filter	✓		ELECTRICAL SYSTEM		
Slider joysticks	✓		1,000 CCA maintenance-free batteries (×2)	✓	
Tandem type electronic main pump	✓		Centralized electrical disconnect switch	✓	
Tool Control (two pumps, one/two way high-pressure flow)	✓		Programmable time-delay LED working lights	✓	
Medium Pressure Circuit		✓	LED chassis light, LH and RH boom lights for Reach, cab lights – 850 lumens	✓	
Quick coupler circuit for Cat Pin Grabber and CW Dedicated	✓		CAT CONNECT TECHNOLOGY		
			Cat Product Link™		✓

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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
SERVICE AND MAINTENANCE			SAFETY AND SECURITY		
Sampling ports for Scheduled Oil Sampling (S·O·S SM)	✓		Rear and RH sideview camera	✓	
Grouped location for engine oil and fuel filters	✓		Cab mirror for RH side track edge	✓	
Ground level second dipstick for engine oil	✓		Cat asset tracker		✓
Side entry to service platform	✓		Neutral lever (lock out) for all controls	✓	
Electric Refueling Pump with Auto Shut Off	✓		Anti-skid plate and countersunk bolts on service platform	✓	
			Ground-level accessible secondary engine shutoff switch in cab	✓	
			RH handrail and hand hold (ISO 2867:2011 compliant)	✓	
			FOGS guards		✓

320 GC Attachments

Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

- Radial lower wiper for 70/30 with washer
- LH/RH electrical pedal for tool control
- Polycarbonate roof hatch

SAFETY AND SECURITY

- Bluetooth® receiver kit

HYDRAULIC

- Tool Control (two pumps, one/two way high-pressure flow)
- Medium Pressure Circuit
- Common Quick Coupler Circuit for Cat Pin Grabber and CW Dedicated

GUARDS

- Standard swivel guard
- FOGS (not compatible with cab light cover, rain protector)
- Mesh guard full front (not compatible with cab light cover, rain protector)
- Mesh guard lower half front

320 GC Cab Options

Cab Options

	Comfort
ROPS, standard sound suppression	●
High-resolution 203 mm LCD touch screen monitor	●
Automatic bi-level air conditioner	●
Jog dial and shortcut keys for monitor control	●
Keyless push-to-start engine control	●
Height-adjustable console, three steps with tool	●
Mechanically adjustable seat suspension	●
51 mm seat belt	●
Fixed left-side console	●
Bluetooth integrated radio with USB ports	●
2×12V DC outlets	●
Document storage	●
Cup and bottle holders	●
Two-piece front window, openable	●
Upper radial wiper with 70/30 with washer	●
Openable steel hatch	●
LED dome and lower interior lights	●
Roller front sunscreen	●
Roller rear sunscreen	○
Beacon ready	●
Washable floor mat	●
Straight travel pedal	●

● Standard

○ Optional

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