



323 GC

Hydraulic Excavator

Technical Specifications

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

Table of Contents

Specifications	2
Engine	2
Swing Mechanism	2
Weights	2
Track	2
Drive	2
Hydraulic System	2
Service Refill Capacities	2
Standards	2
Sound Performance	2
Operating Weights and Ground Pressures	3
Major Component Weights	3
Dimensions	4
Working Ranges and Forces	5
Reach Boom Lift Capacities – Counterweight: 4.7 mt (10,360 lb)	6
Bucket Specifications and Compatibility:	
Africa, Middle East	8
Southeast Asia	9
Attachments Offering Guide:	
Africa, Middle East	10
Southeast Asia	15
Standard and Optional Equipment	16
Dealer Installed Kits and Attachments	18
323 GC Environmental Declaration	19



323 GC Hydraulic Excavator Specifications

Engine

Engine Model	Cat® C7.1	
Net Power		
ISO 9249	117 kW	157 hp
ISO 9249 (DIN)	159 hp (metric)	
Engine Power		
ISO 14396	118 kW	158 hp
ISO 14396 (DIN)	160 hp (metric)	
Bore	105 mm	4 in
Stroke	135 mm	5 in
Displacement	7.01 L	428 in ³
Biodiesel capability	Up to B20 ⁽¹⁾	

- Emits equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Recommended for use up to 4500 m (14,760 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 1,800 rpm.

⁽¹⁾Cat engines are compatible with diesel fuel blended with the following lower-carbon intensity fuels** up to:

- ✓ 100% biodiesel FAME (fatty acid methyl ester)*
- ✓ 100% renewable diesel, HVO (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.

*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.

Drive

Gradeability	35°/70%	
Maximum Travel Speed	5.7 km/h	3.5 mph
Maximum Drawbar Pull	205 kN	45,996 lbf

Hydraulic System

Main System – Maximum Flow – Implement	429 L/min	113 gal/min
Maximum Pressure – Equipment – Implement	35 000 kPa	5,075 psi
Maximum Pressure – Travel	34 300 kPa	4,974 psi
Maximum Pressure – Swing	26 800 kPa	3,886 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	91.1 gal
Cooling System	25 L	6.6 gal
Engine Oil (with filter)	25 L	6.6 gal
Swing Drive	6 L	1.6 gal
Final Drive (each)	5 L	1.3 gal
Hydraulic System (including tank)	234 L	61.8 gal
Hydraulic Tank (including suction pipe)	115 L	30.4 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)	99 dB(A)
ISO 6396:2008 (inside cab)	71 dB(A)
• External Sound – The spectator sound power level is measured according to the test procedures and conditions specified in ISO 6395:2008 for a Cat machine that is properly equipped and maintained. The measurements were conducted at 70% of the maximum engine cooling fan speed.	
• Internal Sound – The operator sound pressure level is measured according to the test procedures and conditions specified in ISO 6396:2008 for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed. The measurements were conducted at 70% of the maximum engine cooling fan speed.	
• Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors/windows open) for extended periods or in noisy environment(s).	

323 GC Hydraulic Excavator Specifications

Operating Weights and Ground Pressures

Base Machine Configurations	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)
HD Base Frame with Track Rollers and Carrier Rollers				
4.7 mt (10,360 lb) Counterweight + Long Undercarriage Base Machine				
Reach Boom + 2.9 m (9'5") Reach Stick + 1.3 m ³ (1.70 yd ³) GD Bucket	22 700 (50,100)	47.2 (6.8)	23 400 (51,600)	37.0 (5.4)

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

Major Component Weights

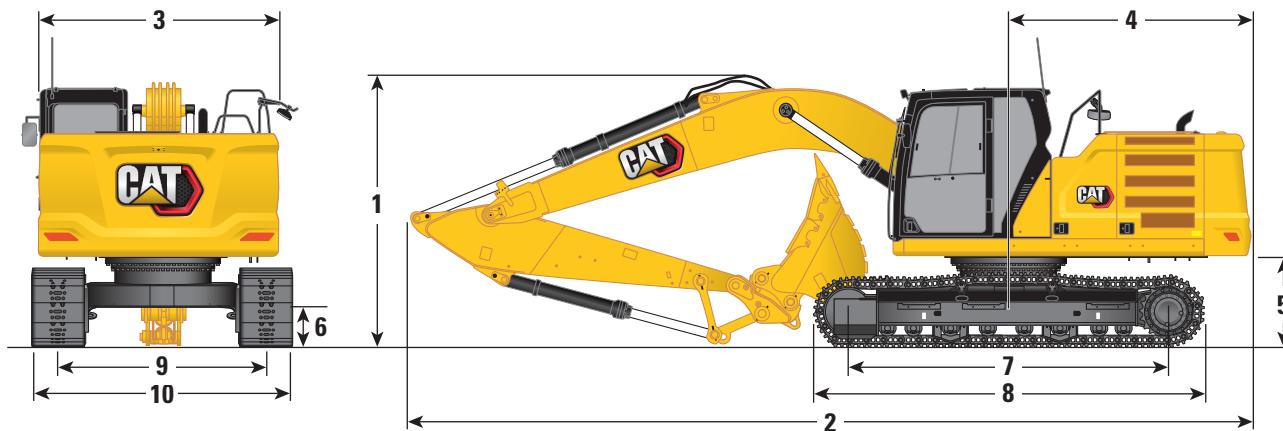
	kg	lb
Base Machine (with upper frame, long undercarriage, 4.7 mt [10,360 lb] counterweight – does not include boom, stick, bucket, boom cylinders, stick cylinder, bucket cylinder, tracks, 90% fuel tank and 75 kg [165 lb] operator).	15 600	34,400
Track Shoes:		
600 mm (24") Width, 10 mm (0.39") Thick, Triple Grouser Track Shoes	2690	5,900
790 mm (31") Width, 10 mm (0.39") Thick, Triple Grouser Track Shoes	3370	6,700
Two Boom Cylinders	340	700
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	310	700
Counterweight:		
4.7 mt (10,360 lb) Counterweight	4700	10,400
Swing Frame:		
HD Swing Frame	2120	4,700
Undercarriage:		
HD Base Frame with Standard Track Rollers and Standard Carrier Rollers	4470	9,900
Boom (including lines, pins, stick cylinder):		
Reach Boom 5.7 m (18'8")	1770	3,900
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick R2.9B1 (9'6")	1080	2,400
Bare Reach Stick R2.9B1 (9'6")	1070	2,400
Reach Stick R2.5B1 (8'2")	1020	2,300
Bare Reach Stick R2.5B1 (8'2")	1010	2,200
Buckets (without linkage):		
1.30 m ³ (1.48 yd ³) GD	900	2,000
1.30 m ³ (1.70 yd ³) Heavy Duty (HD)	1070	2,400
1.19 m ³ (1.56 yd ³) HD	1000	2,200

Refer to page 8 for a complete list of bucket options.

323 GC Hydraulic Excavator Specifications

Dimensions

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



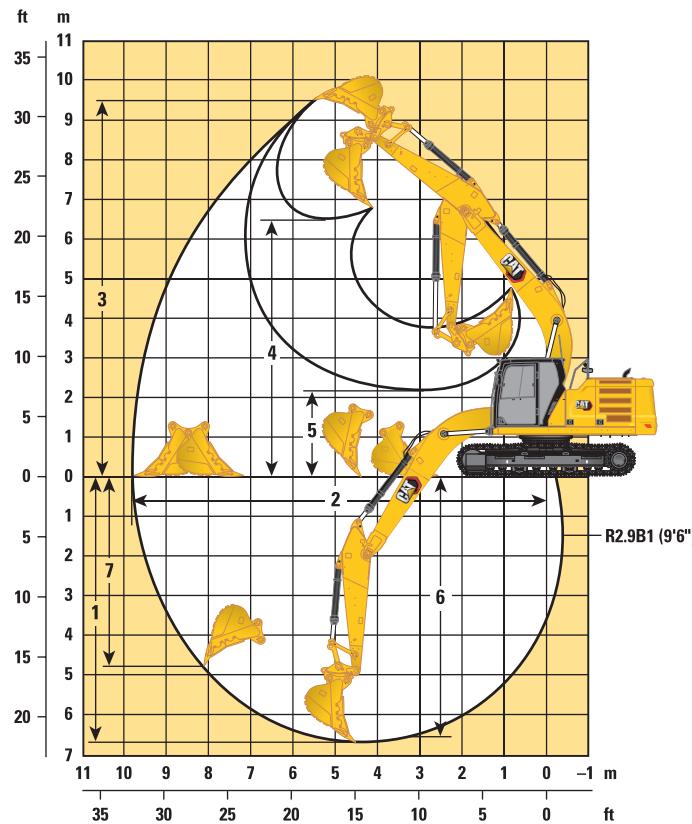
Boom Option

Reach Boom
5.7 m (18'8")

Stick Option	Reach Stick R2.9B1 (9'6")	Reach Stick R2.5B1 (8'2")	
1 Machine Height:			
Cab Height	2960 mm	9'7"	2960 mm
OPG Height	3100 mm	10'2"	3100 mm
Handrail Height	2950 mm	9'7"	2950 mm
With Boom/Stick/Bucket Installed	3160 mm	10'4"	3080 mm
With Boom/Stick Installed	2910 mm	9'6"	2910 mm
With Boom Installed	2480 mm	8'1"	2480 mm
2 Machine Length:			
With Boom/Stick/Bucket Installed	9530 mm	31'3"	9530 mm
With Boom/Stick Installed	9500 mm	31'2"	9500 mm
With Boom Installed	8450 mm	27'7"	8450 mm
3 Upperframe Width			
4 Tail Swing Radius			
5 Counterweight Clearance			
6 Ground Clearance			
7 Length to Center of Rollers			
8 Track Length			
9 Track Gauge			
10 Undercarriage Width:			
600 mm (24") Shoes	2980 mm	9'8"	2980 mm
790 mm (31") Shoes	3170 mm	10'4"	—
Bucket Type			
Bucket Capacity			
Bucket Tip Radius	1584 mm	5'2"	1584 mm
GD			
1.30 m ³ 1.70 yd ³ 1.30 m ³ 1.70 yd ³			

Working Ranges and Forces

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")	Reach Stick R2.5B1 (8'2")	GD	
1 Maximum Digging Depth	6730 mm	22'1"	6300 mm	20'7"
2 Maximum Reach at Ground Line	9870 mm	32'5"	9470 mm	31'0"
3 Maximum Cutting Height	9450 mm	31'0"	9260 mm	30'4"
4 Maximum Loading Height	6490 mm	21'4"	6290 mm	20'6"
5 Minimum Loading Height	2170 mm	7'1"	2590 mm	8'5"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6560 mm	21'6"	6110 mm	20'0"
7 Maximum Vertical Wall Digging Depth	5610 mm	18'5"	5220 mm	17'1"
Bucket Digging Force (ISO)	140 kN	31,520 lbf	140 kN	31,520 lbf
Stick Digging Force (ISO)	107 kN	23,970 lbf	107 kN	23,970 lbf
Bucket Type	GD			
Bucket Capacity	1.30 m ³	1.70 yd ³	1.30 m ³	1.70 yd ³
Bucket Tip Radius	1584 mm	5'2"	1584 mm	5'2"

323 GC Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 4.7 mt (10,360 lb) – without Bucket

		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm in
7500 mm 300 in	kg lb							*4550	*4550			*3900	*3900	6160
6000 mm 240 in	kg lb							*4900	*4900			*8,650	*8,650	19'9"
4500 mm 180 in	kg lb							*10,800	*10,800					7290
3000 mm 120 in	kg lb							*5400	*5400	*5100	4000	*3600	*3600	7990
1500 mm 60 in	kg lb							*11,800	*11,800	*11,150	8,600	*7,750	*7,750	8450
0 mm 0 in	kg lb							*7950	*7950	*6250	5400	*3600	*3600	8360
-1500 mm -60 in	kg lb	*6650 *14,850	*6650 *14,850	*10,750 *24,450	*10,750 *24,450	*10,600 *23,000	*10,600 *23,000	7400	*7850	4950	5700	3800	3800	7,950
-3000 mm -120 in	kg lb	*11,450 *25,650	*11,450 *25,650	*14,050 *30,450	*14,050 *30,450	*14,050 *30,450	*14,050 *30,450	7750	*7050	5200	*5850	3850	3850	7,950
-4500 mm -180 in	kg lb							*9600	7650	11,600	12,550	8,200	8,200	8,450
								*20,700	16,650	*15,300	11,150	12,300	12,300	7,050
														27'4"
														27'8"
														26'1"
														22'7"
														18'0"
														5590
														12,800
														18'0"

Reach Boom Lift Capacities – Counterweight: 4.7 mt (10,360 lb) – without Bucket

		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm in
7500 mm 300 in	kg lb							*4550	*4550			*3900	*3900	6160
6000 mm 240 in	kg lb							*4900	*4900			*8,650	*8,650	19'9"
4500 mm 180 in	kg lb							*10,800	*10,800					7290
3000 mm 120 in	kg lb							*5400	*5400	*5100	4150	*3550	*3550	7990
1500 mm 60 in	kg lb							*11,800	*11,800	*11,150	8,950	*7,750	*7,750	8450
0 mm 0 in	kg lb							*6250	*6250	*10,500	7750	*7950	*7950	8360
-1500 mm -60 in	kg lb	*6650 *14,850	*6650 *14,850	*10,750 *24,450	*10,750 *24,450	*10,600 *23,000	*10,600 *23,000	7400	*7850	5150	5950	3850	3850	7,950
-3000 mm -120 in	kg lb	*11,450 *25,650	*11,450 *25,650	*14,050 *30,450	*14,050 *30,450	*14,050 *30,450	*14,050 *30,450	7750	*7050	5400	*5850	3950	3950	7,950
-4500 mm -180 in	kg lb							*9600	7650	*15,300	11,600	*12,700	*12,700	7,350
								*20,700	17,300	*15,300	11,600	8,500	8,500	27'4"
														27'8"
														26'1"
														22'7"
														18'0"



ISO 10567:2007



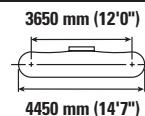
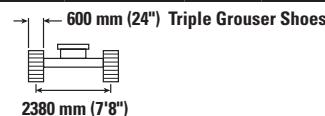
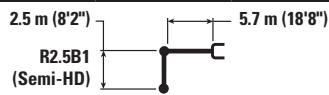
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

323 GC Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 4.7 mt (10,360 lb) – without Bucket



		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in			
7500 mm 300 in	kg lb									*4700 *10,500	5610 17'11"
6000 mm 240 in	kg lb					*5350 *11,750	*5350 *11,750			*4350 *9,550	6840 22'2"
4500 mm 180 in	kg lb			*6750 *14,550	*6750 *14,550	*5800 *12,600	5600 12,050	*4800	4000	*4250 *9,300	3900 24'8"
3000 mm 120 in	kg lb			*8500 *18,250	8100 17,500	*6550 *14,200	5400 11,600	*5700 *12,400	3900 8,400	*4350 *9,550	3550 7,850
1500 mm 60 in	kg lb			*10 000 *21,600	7650 16,550	*7300 *15,850	5150 11,150	5850 12,550	3800 8,200	*4650 *10,200	3450 7,600
0 mm 0 in	kg lb			*10 700 *23,100	7450 16,050	*7800 *16,900	5050 10,850	5750 12,400	3750 8,050	*5200 *11,400	3550 7,750
-1500 mm -60 in	kg lb	*11 350 *25,850	*11 350 *25,850	*10 550 *22,800	7450 16,000	*7850 *16,950	5000 10,750			5950 13,100	3850 8,450
-3000 mm -120 in	kg lb	*13 200 *28,600	*13 200 *28,600	*9600 *20,700	7500 16,200	*7100 *15,150	5050 10,900			*6350 *13,950	4600 10,250
-4500 mm -180 in	kg lb			*7150 *14,950	*7150 *14,950					*6200 *13,550	4970 15'11"



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.

323 GC Hydraulic Excavator Specifications

Bucket Specifications and Compatibility – Africa, Middle East

	Linkage	Width		Capacity		Weight		Fill	Reach	
		mm	in	m ³	yd ³	kg	lb	%	R2.9 (9'8")	R2.5 (8'2")
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	1200	48	1.19	1.56	812	1,789	100	●	●
	B	1300	51	1.30	1.70	835	1,841	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	3392	3679
								lb	7,478	8,110

The above loads are in compliance with hydraulic excavator standard EN 474-5:2022/AC:2022, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

Maximum Material Density:

● 2100 kg/m³ (3,500 lb/yd³)

○ 1800 kg/m³ (3,000 lb/yd³)

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.

323 GC Hydraulic Excavator Specifications

Bucket Specifications and Compatibility – Southeast Asia

	Linkage	Width		Capacity		Weight		Fill	Reach
		mm	in	m ³	yd ³	kg	lb	%	R2.9 (9'8")
Pin On (No Coupler)									
General Duty	B	1150	46	0.90	1.18	786	1,733	100	●
	B	1250	50	1.00	1.31	820	1,808	100	●
General Duty Excavation	B	1400	56	1.14	1.49	858	1,891	100	●
Heavy Duty	B	1050	43	1.00	1.31	884	1,948	100	●
	B	1200	49	1.19	1.56	955	2,105	100	●
	B	1350	54	1.38	1.81	1018	2,244	100	◎
	B	1050	42	1.00	1.31	901	1,987	100	●
Severe Duty	B	1100	43	1.00	1.31	965	2,128	90	●
	B	1250	49	1.19	1.56	1063	2,343	90	●
Maximum load with pin-on (payload + bucket)								kg	3390
								lb	7,474
With Pin Grabber Coupler									
General Duty	B	1150	46	0.90	1.18	786	1,733	100	●
	B	1250	50	1.00	1.31	820	1,808	100	●
General Duty Excavation	B	1400	56	1.14	1.49	858	1,891	100	◎
Heavy Duty	B	1200	49	1.19	1.56	955	2,105	100	◎
	B	1050	42	1.00	1.31	901	1,987	100	●
Severe Duty	B	1100	43	1.00	1.31	965	2,128	90	●
	B	1250	49	1.19	1.56	1063	2,343	90	◎
Maximum load with coupler (payload + bucket)								kg	2970
								lb	6,548

The above loads are in compliance with hydraulic excavator standard EN 474-5:2022/AC:2022, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

Maximum Material Density:

● 2100 kg/m³ (3,500 lb/yd³)

◎ 1800 kg/m³ (3,000 lb/yd³)

⊖ 1500 kg/m³ (2,500 lb/yd³)

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.

323 GC Hydraulic Excavator Specifications

Attachments Offering Guide – Africa, Middle East

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

Match

* Working range front only

† Allowed usage on machine less than 50%

No Match

PIN-ON ATTACHMENTS

Boom Type		Reach R2.9 (9'6")	Reach R2.5 (8'2")
Stick Length			
Hydraulic Hammers	H115 GC	✓	✓
	H115 GC 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	✓	✓
	MP324 Concrete Cutter Jaw	✓	✓
	MP324 Demolition Jaw	✓	✓
	MP324 Pulverizer Jaw		✓
	MP324 Shear Jaw	✓	✓
	MP324 Tank Shear Jaw	✓	✓
	MP324 Universal Jaw	✓	✓
Demolition and Sorting Grapples	G317 GC	✓	✓
	G318	✓	✓
	G318 WH-800	✓	✓
	G318 WH-1100	✓	✓
	G324	✓	✓
	G324 WH-1500	✓	✓
	G324 WH-1800		✓*
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓	✓
Pulverizers	P218 Secondary Pulverizer	✓	✓
	P224 Secondary Pulverizer		✓
	P318 Primary Pulverizer	✓	✓
	P324 Primary Pulverizer	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓

(continued on next page)

323 GC Hydraulic Excavator Specifications

Attachments Offering Guide – Africa, Middle East (continued)

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

1800 kg/m³ (3000 lb/yd³)

1200 kg/m³ (2000 lb/yd³)

900 kg/m³ (1500 lb/yd³)

No Match

PIN-ON ATTACHMENTS (continued)

Boom Type		Reach	Reach
Stick Length		R2.9 (9'6")	R2.5 (8'2")
Orange Peel Grapples	GSH420-500	●	●
	GSH420-600	●	●
	GSH420-750	●	●
	GSH425-750	●	●
	GSH425-950	○	●
	GSH425-1150	○	○
	GSH520-500	●	●
	GSH520-600	●	●
	GSH520-750	●	●
	GSH525-750	●	●
	GSH525-950	○	○
	GSH525-1150		○
	GSV420-400	●	●
	GSV420-500	●	●
	GSV420-600	●	●
	GSV420-750	●	●
	GSV420-1250	◇	◇
	GSV425-600	●	●
	GSV425-750	●	●
	GSV425-950	○	●
	GSV425-1150	○	○
	GSV425-1550	◇	◇
	GSV520-400	●	●
	GSV520-500	●	●
	GSV520-600	●	●
	GSV520-750	●	●
	GSV520-1250	◇	◇
	GSV525-600	●	●
	GSV525-750	●	●
	GSV525-950	○	○
	GSV525-1150		○
	GSV525-1550	◇	◇
Clamshell Grapples	CTV15-1000	●	●
	CTV15-1200	○	○
	CTV15-1500		○

(continued on next page)

323 GC Hydraulic Excavator Specifications

Attachments Offering Guide – Africa, Middle East (continued)

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

Match

* Working range front only

† Allowed usage on machine less than 50%

No Match

CAT PIN GRABBER COUPLER ATTACHMENTS

Boom Type	Reach	Reach
Stick Length	R2.9 (9'6")	R2.5 (8'2")
Hydraulic Hammers		
H115 GC	✓	✓
H115 GC 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	✓	✓
MP324 Concrete Cutter Jaw		✓*
MP324 Demolition Jaw		✓*
MP324 Shear Jaw		✓*
Demolition and Sorting Grapples		
G317 GC	✓	✓
G318	✓	✓
G318 WH-800	✓	✓
G318 WH-1100	✓	✓
G324		✓*
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓
Pulverizers	P218 Secondary Pulverizer	✓
	P318 Primary Pulverizer	✓
Compactors (Vibratory Plate)	CVP110	✓

(continued on next page)

323 GC Hydraulic Excavator Specifications

Attachments Offering Guide – Africa, Middle East (continued)

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

Match

* Working range front only

† Allowed usage on machine less than 50%

No Match

CW-40s DEDICATED COUPLER ATTACHMENTS

Boom Type	Reach	Reach
Stick Length	R2.9 (9'6")	R2.5 (8'2")
Hydraulic Hammers		
H115 GC	✓	✓
H115 GC 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	✓	✓
MP324 Concrete Cutter Jaw		✓
MP324 Demolition Jaw		✓
MP324 Pulverizer Jaw		✓*
MP324 Shear Jaw	✓	✓
MP324 Tank Shear Jaw		✓*
MP324 Universal Jaw		✓
Demolition and Sorting Grapples		
G317 GC	✓	✓
G318	✓	✓
G318 WH-800	✓	✓
G318 WH-1100	✓	✓
G324		✓
G324 WH-1500		✓*
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓
Pulverizers	P218 Secondary Pulverizer	✓
	P224 Secondary Pulverizer	✓*
	P318 Primary Pulverizer	✓
	P324 Primary Pulverizer	✓*
Compactors (Vibratory Plate)	CVP110	✓

(continued on next page)

323 GC Hydraulic Excavator Specifications

Attachments Offering Guide – Africa, Middle East (continued)

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

Match

* Working range front only

† Allowed usage on machine less than 50%

No Match

CW-40 DEDICATED COUPLER ATTACHMENTS

Boom Type	Reach	Reach
Stick Length	R2.9 (9'6")	R2.5 (8'2")
Hydraulic Hammers		
H115 GC	✓	✓
H115 GC S	✓	✓
H120 GC	✓†	✓†
H120 GC S	✓†	✓†
H120 S	✓†	✓†
H130 GC	✓†	✓†
H130 GC S	✓†	✓†
H130 S	✓†	✓†
Multi-Processors		
MP318 Concrete Cutter Jaw	✓	✓
MP318 Demolition Jaw	✓	✓
MP318 Pulverizer Jaw	✓	✓
MP318 Shear Jaw	✓	✓
MP318 Universal Jaw	✓	✓
MP324 Concrete Cutter Jaw		✓
MP324 Demolition Jaw		✓
MP324 Pulverizer Jaw		✓*
MP324 Shear Jaw	✓	✓
MP324 Tank Shear Jaw		✓
MP324 Universal Jaw		✓
Demolition and Sorting Grapples		
G317 GC	✓	✓
G317 GC Fixed CAN	✓	✓
G318	✓	✓
G318 Fixed CAN	✓	✓
G318 WH-800	✓	✓
G318 WH-1100	✓	✓
G324		✓
G324 WH-1500		✓*
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓
Pulverizers	P218 Secondary Pulverizer	✓
	P224 Secondary Pulverizer	✓*
	P318 Primary Pulverizer	✓
	P324 Primary Pulverizer	✓*
Compactors (Vibratory Plate)	CVP110	✓

BOOM-MOUNT ATTACHMENTS

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

323 GC Hydraulic Excavator Specifications

Attachments Offering Guide – Southeast Asia

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%

PIN-ON ATTACHMENTS

Boom Type	Reach
Stick Length	R2.9 (9'8")
Hydraulic Hammers	
H115 GC	✓
H115 GC S	✓
H120 GC	✓
H120 GC Side Mount	✓
H120 GC S	✓
H120 S	✓
H130 S	✓†
Compactors (Vibratory Plate)	
CVP110	✓
Rotary Cutters	
RC20	✓

323 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																																																					
CAB																																																									
Operator Protective Guard (OPG)		✓	Cat C7.1 single turbo diesel engine	✓																																																					
Rollover Protective Structure (ROPS), standard sound suppression	✓		Two selectable modes	✓																																																					
High-resolution 203 mm (8") LCD touchscreen monitor	✓		Auto engine speed control	✓																																																					
Auto bi-level air conditioner	✓		Auto engine idle shutdown	✓																																																					
Keyless push-to-start engine control	✓		4500 m (14,760 ft) altitude capability with engine power derate above 3000 m (9,840 ft)	✓																																																					
Height-adjustable console	✓		52° C (125° F) high-ambient cooling capacity with derate	✓																																																					
Fixed left-side console	✓		-18° C (0° F) cold start capability	✓																																																					
Mechanical-suspension seat	✓		-32° C (-25° F) cold start capability	✓																																																					
51 mm (2") seat belt	✓		Sealed double element air filter with integrated pre-cleaner	✓																																																					
Integrated Bluetooth® radio (includes USB/Auxiliary ports)	✓		2 × 115 amp dual alternator	✓																																																					
24V DC outlet	✓		Electric fuel priming pump	✓																																																					
Console storage	✓		Two-stage fuel filtration system with water separator and indicator	✓																																																					
Cup and bottle holders	✓		Electric cooling fans with auto-reverse function	✓																																																					
Openable two-piece front window	✓		HYDRAULIC SYSTEM																																																						
Rear window emergency exit	✓		Upper radial wiper with washer	✓		Electronic main control valve – 1 way high pressure auxiliary circuit ready	✓	Openable steel skylight hatch	✓		Tandem type electronic main pump	✓	LED dome light	✓		Boom and stick regeneration circuits	✓	Roller front sunscreen	✓		Auto warm up	✓	Roller rear sunscreen	✓		Auto two-speed travel	✓	Washable floor mat	✓		Boom and stick drift reduction valve	✓	Beacon ready	✓		Combined flow/high-pressure auxiliary circuit	✓	CAT TECHNOLOGY					Cat Equipment Management:			Element type main hydraulic filter	✓	VisionLink™	✓ ¹		Boom and stick hydraulic hammer lines	✓	Remote Flash	✓ ²		<i>(continued on next page)</i>	
Upper radial wiper with washer	✓		Electronic main control valve – 1 way high pressure auxiliary circuit ready	✓																																																					
Openable steel skylight hatch	✓		Tandem type electronic main pump	✓																																																					
LED dome light	✓		Boom and stick regeneration circuits	✓																																																					
Roller front sunscreen	✓		Auto warm up	✓																																																					
Roller rear sunscreen	✓		Auto two-speed travel	✓																																																					
Washable floor mat	✓		Boom and stick drift reduction valve	✓																																																					
Beacon ready	✓		Combined flow/high-pressure auxiliary circuit	✓																																																					
CAT TECHNOLOGY																																																									
Cat Equipment Management:			Element type main hydraulic filter	✓																																																					
VisionLink™	✓ ¹		Boom and stick hydraulic hammer lines	✓																																																					
Remote Flash	✓ ²		<i>(continued on next page)</i>																																																						

¹Provides core telematics data to manage health, maintenance insights, and condition monitoring. Other plans available for more comprehensive data reporting. Consult your Cat dealer for details.

²Optional for Kingdom of Saudi Arabia.

Standard and Optional Equipment (continued)

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

	Standard	Optional	Standard	Optional
UNDERCARRIAGE AND STRUCTURES				
Two-piece segmented track guiding guards	✓		Side entry to service platform	✓
Bottom guards	✓		Grouped location of engine oil and fuel filters	✓
Swivel guard		✓	S·O·S SM ports	✓
Travel motor guards	✓		Ground-level and platform-level engine oil dipsticks	✓
Grease lubricated track	✓		Integrated vehicle health management system	✓
4.7 mt (10,360 lb) counterweight	✓			
600 mm (24") triple grouser track shoes	✓			
790 mm (31") triple grouser shoes	✓			
Tie-down points on base frame	✓			
BOOM, STICKS AND LINKAGES				
5.7 m (18'8") Reach boom	✓		Auto hammer stop	✓
2.9 m (9'6") Reach stick, B1 linkage	✓		Rearview camera and right-hand side mirror ⁵	✓
2.9 m (9'6") Reach bare stick, B1 linkage	✓		Right-hand-sideview camera	✓
2.5 m (8'2") Reach stick ⁴	✓		Ground-level engine shutoff switch	✓
2.5 m (8'2") Reach bare stick ⁴	✓		Right-hand handrail and handhold	✓
Bucket linkage, B1 family with lifting eye	✓		Signaling/warning horn	✓
ELECTRICAL SYSTEM				
Two 1,000 CCA maintenance-free batteries	✓		Swing alarm	✓
Programmable time-delay LED working lights	✓		Service platform with anti-skid plate and countersunk bolts	✓
LED chassis light, left-hand boom light, cab light – 1800 lumens	✓		Hydraulic lock out lever neutralizes all controls	✓
Centralized electrical disconnect switch	✓		Lockable disconnect switch ⁵	✓

⁴Africa, Middle East only.

⁵Mandatory for Kingdom of Saudi Arabia.

323 GC Dealer Installed Kits and Attachments

Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

- Lower wiper
- Polycarbonate roof hatch

SAFETY AND SECURITY

- Operator Protective Guards
- Mesh guard full front
- Mesh guard lower half front
- Cab vandalism guard

SERVICE AND MAINTENANCE

- Grease gun holder

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® C7.1 engine emits equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Cat engines are compatible with diesel fuel blended with the following lower-carbon intensity fuels** up to:
 - ✓ 100% biodiesel FAME (fatty acid methyl ester)*
 - ✓ 100% renewable diesel, HVO (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.

**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 CO₂ 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) – 99 dB(A)

ISO 6396:2008 (inside cab) – 71 dB(A)

- External Sound – The spectator sound power level is measured according to the test procedures and conditions specified in ISO 6395:2008 for a Cat machine that is properly equipped and maintained. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Internal Sound – The operator sound pressure level is measured according to the test procedures and conditions specified in ISO 6396:2008 for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors/windows open) for extended periods or in noisy environment(s).

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
 - Automatic engine idle shutdown system reduces idle hours
 - Extended service intervals help decrease maintenance costs
 - Programmable high-efficiency cooling fans run only when needed
 - The latest hydraulic oil filter provides longer life with a 3,000-hour replacement interval

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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AEXQ3962-01 (12-2025)
Replaces: AEXQ3962-00
Build Number: 07H
(Afr-ME, SE Asia)

