

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 in3
Biodiesel Capability	Up to B20(1)	

- 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 2,200 rpm.

(1)Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with 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.

**While Caterpillar engines are compatible with these alternative fuels, some regions may not allow their use.*

***Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.*

****Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).*

Swing Mechanism

Swing Speed*	11.6 rpm	
Maximum Swing Torque	74.4 kN·m	54,900 lbf·ft

*For CE-marked machine default value may be set lower.

Weights

Operating Weight	21 000 kg	46,300 lb

- Medium undercarriage, Reach boom, R2.9 (9'6") stick, General Duty (GD) 1.0 m^3 (1.31 yd^3) 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^3 (1.31 yd^3) 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^3 (1.31 yd^3) 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

Service Refill Capacities

Fuel Tank Capacity	345 L	91.1 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)

- External Sound – The spectator sound power level is measured according to the test procedures and conditions specified in ISO 6395:2008 for a Caterpillar 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).

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	Ground Pressure	Weight	Ground Pressure
Base Machine Configurations	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
Base Frame with Track Rollers and Carrier Rollers				
3700 kg (8,200 lb) Counterweight + Medium Undercarriage Base Machine				
Reach Boom + R2.9 (9'6") Stick + 1.0 m^3 (1.31 yd^3) GD Bucket	—	—	21 000 (46,300)	46 (6.7)
3700 kg (8,200 lb) Counterweight + Long Undercarriage Base Machine				
Reach Boom + R2.9 (9'6") Stick + 1.0 m^3 (1.31 yd^3) GD Bucket	21 100 (46,500)	48.6 (7.0)	21 300 (47,000)	49.1 (7.1)

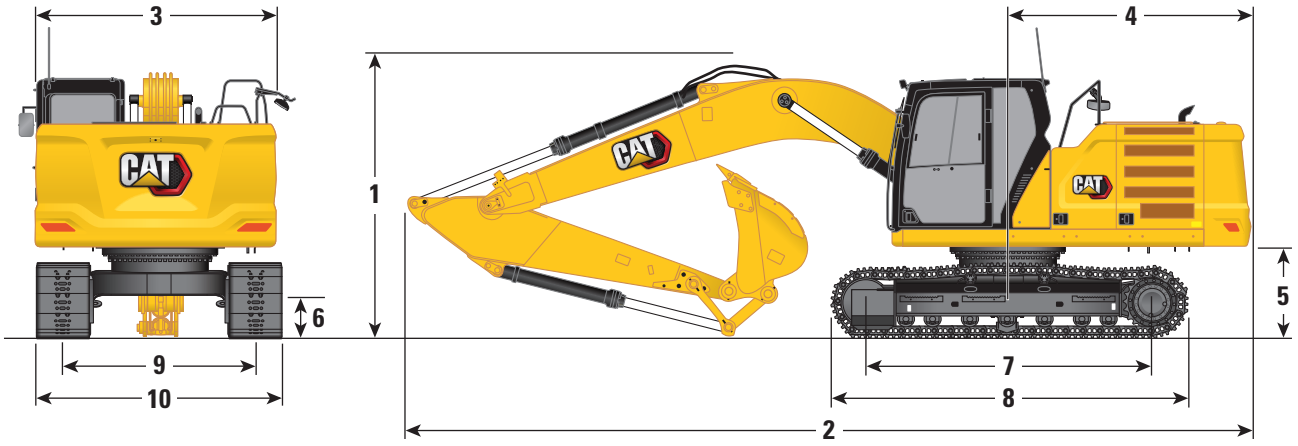
All operating weights include a 90% fuel tank with 75 kg (165 lb) operator.

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 m3 (1.31 yd3) GD Bucket	740	1,620
1.0 m^3 (1.31 yd^3) Heavy Duty (HD) Bucket	880	1,940
Quick Couplers:		
Universal Quick Coupler	230	510
Pin Grabber Quick Coupler	390	860

Dimensions

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

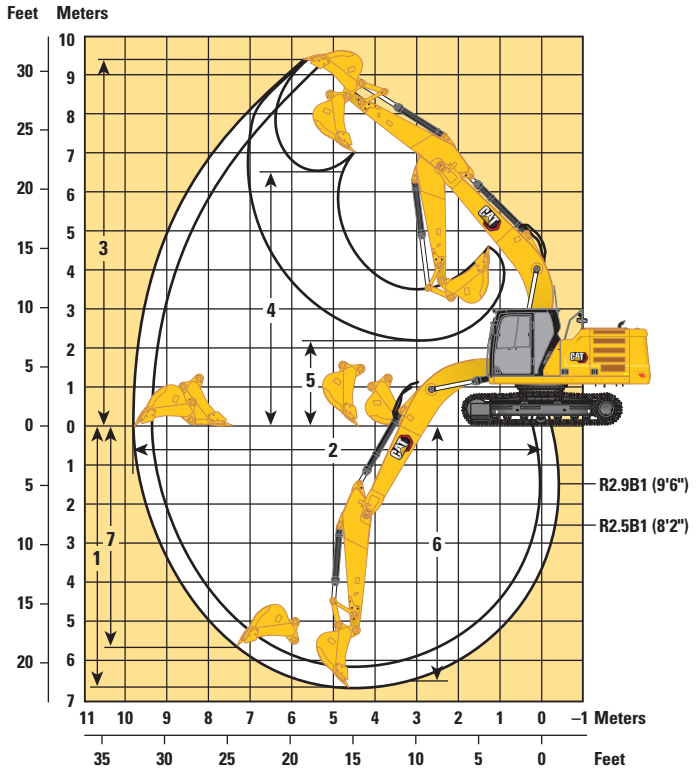


Boom Option	Reach Boom 5.7 m (18'8")					
Stick Options	R2.9B1 (9'6")		Reach Stick R2.9B1 (9'6")		R2.5B1 (8'2")	
Undercarriage Options:	Medium		Long		Long	
1 Machine Height:						
Top of Cab Height	2960 mm	9'9"	2960 mm	9'9"	2960 mm	9'9"
Top of OPG Height	3100 mm	10'2"	3100 mm	10'2"	3100 mm	10'2"
Handrail 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"
4 Tail Swing Radius	2830 mm	9'4"	2830 mm	9'3"	2830 mm	9'3"
5 Counterweight Clearance	1050 mm	3'5"	1050 mm	3'5"	1050 mm	3'5"
6 Ground Clearance	470 mm	1'6"	470 mm	1'7"	470 mm	1'7"
7 Length to Center of Rollers	3450 mm	11'4"	3650 mm	12'0"	3650 mm	12'0"
8 Track Length	4250 mm	13'11"	4450 mm	14'7"	4450 mm	14'7"
9 Track Gauge	2380 mm	7'10"	2380 mm	7'10"	2380 mm	7'10"
10 Undercarriage Width:						
600 mm (24") Shoes	2980 mm	9'9"	2980 mm	9'9"	2980 mm	9'9"
Bucket Type	GD					
Bucket Capacity	1.0 m^3	1.31 yd^3	1.0 m^3	1.31 yd^3	1.0 m^3	1.31 yd^3
Bucket Tip Radius	1571 mm	5'2"	1570 mm	5'2"	1570 mm	5'2"

320 GC Hydraulic Excavator Specifications

Working Ranges

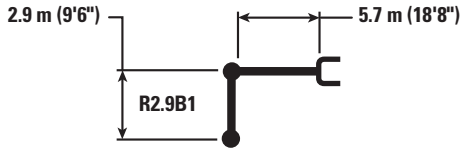
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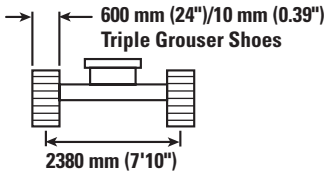


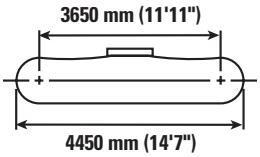
Boom Option			Reach Boom 5.7 m (18'8")			
Stick Options	**Reach Stick R2.9B1 (9'6")**		**Reach Stick R2.9B1 (9'6")**		**Reach Stick R2.5B1 (8'2")**	
Undercarriage Options:	**Medium**		**Long**		**Long**	
1 Maximum Digging Depth	6720 mm	22'1"	6720 mm	22'1"	6300 mm	20'8"
2 Maximum Reach at Ground Line	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^3	1.31 yd^3	1.0 m^3	1.31 yd^3	1.0 m^3	1.31 yd^3
Bucket Tip Radius	1570 mm	5'2"	1570 mm	5'2"	1570 mm	5'2"

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.

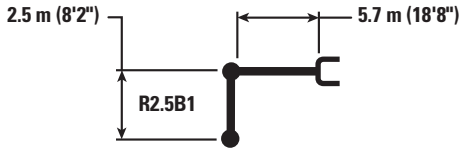
Regional regulations may require the use of an overload warning device and boom and stick lowering control valves during object handling applications.

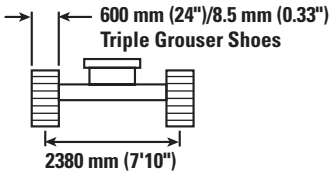
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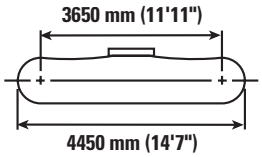
320 GC Hydraulic Excavator Specifications

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

Long Undercarriage







		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**									*4500 ***10,050**	*4500 ***10,050**	5600 **17'11"**
6000 mm **20'0"**	kg **lb**					*5350 ***11,750**	4650 **10,000**			*4150 ***9,150**	3750 **8,350**	6830 **22'02"**
4500 mm **15'0"**	kg **lb**			*6750 ***14,500**	*6750 ***14,500**	*5800 ***12,550**	4500 **9,700**	*4550	3200	*4050 ***8,900**	3150 **6,900**	7570 **24'08"**
3000 mm **10'0"**	kg **lb**			*8450 ***18,250**	6450 **13,950**	6400 **13,800**	4300 **9,250**	4550 **9,800**	3100 **6,650**	*4150 ***9,100**	2850 **6,200**	7960 **26'00"**
1500 mm **5'0"**	kg **lb**			9500 **20,450**	6050 **13,000**	6150 **13,300**	4100 **8,800**	4450 **9,600**	3000 **6,450**	4050 **8,850**	2700 **5,950**	8050 **26'04"**
0 mm **0 in**	kg **lb**			9300 **19,900**	5850 **12,550**	6000 **12,950**	3950 **8,500**	4400 **9,450**	2950 **6,300**	4150 **9,100**	2750 **6,050**	7860 **25'09"**
–1500 mm **–5'0"**	kg **lb**	*10 500 ***23,900**	*10 500 **23,550**	9250 **19,850**	5800 **12,450**	5950 **12,850**	3900 **8,400**			4500 **9,950**	3000 **6,650**	7350 **24'00"**
–3000 mm **–10'0"**	kg **lb**	*13 200 ***28,600**	11 200 **23,950**	9350 **20,050**	5900 **12,650**	6050 **13,000**	4000 **8,550**			5450 **12,150**	3650 **8,050**	6470 **21'00"**
–4500 mm **–15'0"**	kg **lb**			*7150 ***15,000**	6150 **13,250**					*6200 ***13,550**	5350 **12,150**	4980 **16'00"**

* **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.

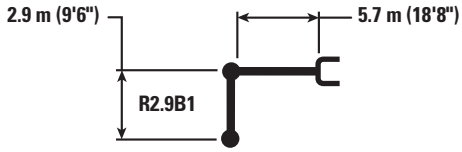
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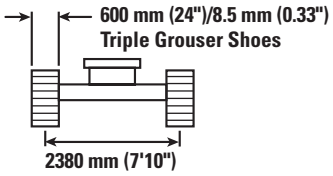
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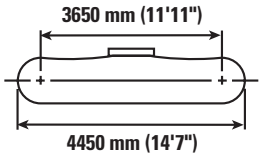
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Reach Boom Lift Capacities – Counterweight: 3700 kg (8,200 lb) – with Bucket Linkages, without Bucket

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							*4300	*4300			*3750 *8,300	*3750 *8,300	6150 19'09"
6000 mm 20'0"	kg lb							*4950 *10,850	*4950 *10,850			*3450 *7,600	*3450 *7,600	7290 23'08"
4500 mm 15'0"	kg lb							*5450 *11,800	4950 10,650	*5100 *10,900	3500 7,450	*3400 *7,450	3150 6,950	7990 26'01"
3000 mm 10'0"	kg lb					*7950 *17,050	7200 15,500	*6250 *13,500	4700 10,150	5250 11,300	3400 7,250	*3450 *7,600	2850 6,300	8360 27'04"
1500 mm 5'0"	kg lb					*9600 *20,700	6700 14,450	*7100 *15,300	4500 9,650	5150 11,050	3300 7,050	*3700 *8,050	2750 6,050	8450 27'08"
0 mm 0 in	kg lb			*5750 *13,250	*5750 *13,250	*10 550 *22,800	6450 13,850	7000 15,000	4300 9,300	5050 10,850	3200 6,850	*4050 *8,950	2800 6,150	8260 27'01"
–1500 mm –5'0"	kg lb	*6150 *13,750	*6150 *13,750	*10 000 *22,650	*10 000 *22,650	*10 650 *23,000	6350 13,650	6900 14,850	4250 9,150	5000 10,800	3150 6,800	4750 10,500	3000 6,650	7780 25'05"
–3000 mm –10'0"	kg lb	*10 600 *23,750	*10 600 *23,750	*14 100 *30,550	12 400 26,550	*9950 *21,500	6400 13,800	6950 14,900	4300 9,200			5650 12,500	3550 7,850	6950 22'08"
–4500 mm –15'0"	kg lb			*11 250 *24,050	*11 250 *24,050	*8100 *17,200	6600 14,250					*6100 *13,400	4900 11,000	5600 18'00"

* 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.

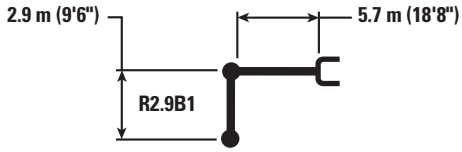
Regional regulations may require the use of an overload warning device and boom and stick lowering control valves during object handling applications.

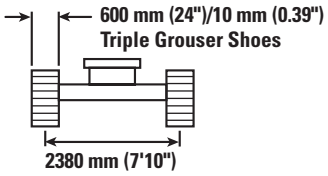
Contact your Cat dealer for additional information.

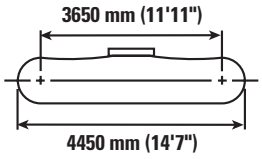
320 GC Hydraulic Excavator Specifications

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

Long Undercarriage







		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 19'09"
6000 mm 20'0"	kg lb							*4950 *10,850	*4950 *10,850			*3450 *7,600	*3450 *7,600	7290 23'08"
4500 mm 15'0"	kg lb							*5450 *11,800	5000 10,750	*5100 *10,900	3500 7,550	*3400 *7,450	3150 7,000	7990 26'01"
3000 mm 10'0"	kg lb					*7950 *17,050	7250 15,650	*6250 *13,500	4750 10,250	5300 11,400	3400 7,350	*3450 *7,600	2900 6,350	8360 27'04"
1500 mm 5'0"	kg lb					*9600 *20,700	6800 14,600	*7100 *15,300	4550 9,750	5200 11,150	3300 7,100	*3700 *8,050	2800 6,100	8450 27'08"
0 mm 0 in	kg lb			*5750 *13,250	*5750 *13,250	*10 550 *22,800	6500 14,000	7050 15,200	4350 9,400	5100 10,950	3200 6,950	*4050 *8,950	2850 6,200	8260 27'01"
–1500 mm –5'0"	kg lb	*6150 *13,750	*6150 *13,750	*10 000 *22,650	*10 000 *22,650	*10 650 *23,000	6400 13,800	7000 15,000	4300 9,250	5050 10,900	3200 6,900	*4800 *10,550	3050 6,700	7780 25'05"
–3000 mm –10'0"	kg lb	*10 600 *23,750	*10 600 *23,750	*14 100 *30,550	12 550 26,850	*9950 *21,500	6500 13,950	7000 15,100	4300 9,300			5700 12,650	3600 7,950	6950 22'08"
–4500 mm –15'0"	kg lb			*11 250 *24,050	*11 250 *24,050	*8100 *17,200	6700 14,400					*6100 *13,400	4950 11,150	5600 18'00"

* 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.

Bucket Specifications and Compatibility – Chile, Colombia

								Undercarriage	Medium	Long
	Linkage	Width		Capacity		Weight		Fill	Reach Boom	Reach Boom
		mm	in	m^3	yd^3	kg	lb	%	R2.9 (9'6")	R2.9 (9'6")
Pin-On (No Quick Coupler)										
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
With Cat Pin Grabber Coupler										
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 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/m^3 (3,500 lb/yd^3)
- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)
- ◇ 900 kg/m^3 (1,500 lb/yd^3)

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 – Türkiye

								Undercarriage	Long	
		Width		Capacity		Weight		Fill	Reach Boom	
	Linkage	mm	in	m^3	yd^3	kg	lb	%	R2.5 (8'2")	R2.9 (9'6")
Pin-On (No Quick Coupler)										
General Duty	B	600	24	0.46	0.61	555	1,223	100	●	●
	B	750	30	0.64	0.84	626	1,380	100	●	●
	B	1200	48	1.19	1.56	812	1,789	100	◉	⊖
	B	1300	51	1.30	1.70	835	1,841	100	⊖	⊖
	B	1400	55	1.43	1.87	879	1,937	100	⊖	○
Heavy Duty	B	1050	42	1.00	1.31	892	1,967	100	●	◉
	B	1200	48	1.19	1.56	917	2,022	100	◉	⊖
	B	1300	52	1.30	1.70	974	2,148	100	⊖	○
Severe Duty	B	1050	42	1.00	1.31	948	2,091	90	●	●
Severe Duty Spade	B	1200	48	1.20	1.57	1011	2,229	90	◉	⊖
General Duty Excavation	B	1580	62	1.10	1.44	797	1,757	100	◉	⊖
Maximum load with pin-on (payload + bucket)								kg	3030	2790
								lb	6,680	6,151
With Cat Pin Grabber Coupler										
General Duty	B	600	24	0.46	0.61	555	1,223	100	●	●
	B	750	30	0.64	0.84	626	1,380	100	●	●
	B	1200	48	1.19	1.56	812	1,789	100	⊖	○
	B	1300	51	1.30	1.70	835	1,841	100	○	○
	B	1400	55	1.43	1.87	879	1,937	100	○	◇
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 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/m^3 (3,500 lb/yd^3)
- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)
- ◇ 900 kg/m^3 (1,500 lb/yd^3)

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.

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 | † Allowed usage on machine less than 50% | No Match | ● 1800 kg/m³ (3,000 lb/yd³) | ○ 1200 kg/m³ (2,000 lb/yd³)

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	○	

(continued on next page)

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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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	✓

Thumb Specifications – Chile, Colombia

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

✓ Thumb Available ☐ Not Available

Bucket Type	Tooth Quantity	Width mm	Width in	Pro Plus Pin-On	Pro Plus Cat Pin Grabber	Pro Pin-On	Pro Cat Pin Grabber	Stiff Link Pin-On	Stiff Link Cat Pin Grabber	Utility Pin-On	Utility Cat Pin Grabber
General Duty	5	902	(36)	✓	✓	✓	✓	✓	✓	✓	✓
	5	1056	(42)	✓	✓	✓	✓	✓	✓	✓	✓
	6	1208	(48)	✓	✓	✓	✓	✓	✓	✓	✓
	7	1350	(54)	✓	✓	✓	✓	✓	✓	✓	✓
Heavy Duty	5	902	(36)	✓	✓	✓	✓	✓	✓	✓	✓
	5	1056	(42)	✓	✓	✓	✓	✓	✓	✓	✓
	6	1208	(48)	✓	✓	✓	✓	✓	✓	✓	✓
	7	1350	(54)	✓	✓	✓	✓	✓	✓	✓	✓
Heavy Duty Power	5	1056	(42)	✓	✓	✓	✓	✓	✓	✓	✓
	6	1208	(48)				✓	✓	✓	✓	✓
Severe Duty	5	902	(36)	✓	✓	✓	✓	✓	✓	✓	✓
	5	1056	(42)	✓	✓	✓	✓	✓	✓	✓	✓
	6	1208	(48)	✓	✓	✓	✓	✓	✓	✓	✓
Pin Grabber Performance Buckets	5	902	(36)		✓					✓	✓
	5	1056	(42)		✓		✓			✓	✓
	6	1208	(48)		✓					✓	✓
	7	1350	(54)							✓	✓

Thumbs matches to GC excavators require a Long undercarriage.

Attachments Offering Guide – Türkiye

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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Attachments Offering Guide – Türkiye *(continued)*

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

☐ No Match ● 1800 kg/m³ (3,000 lb/yd³) ○ 1200 kg/m³ (2,000 lb/yd³) ◇ 600 kg/m³ (1,000 lb/yd³)

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	◇	◇
	GSV520-400	●	●
	GSV520-500	●	●
	GSV520-600	●	●
	GSV520-750	●	●
	GSV520-1250	◇	◇
	GSV520 GC-400	●	●
	GSV520 GC-500	●	●
	GSV520 GC-600	●	●
	GSV520 GC-750	●	●
	GSV520 GC-1250	◇	◇
	GSV525-600	●	○
	GSV525-750	○	○
Clamshell Grapples	CTV15-1000	○	○
	CTV15-1200	○	

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Attachments Offering Guide – Türkiye *(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)

Attachments Offering Guide – Türkiye *(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	✓	✓

(continued on next page)

Attachments Offering Guide – Türkiye *(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	✓

320 GC Standard and Optional Equipment

Standard and Optional Equipment

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

	Standard	Optional
BOOM, STICKS AND LINKAGES		
5.7 m (18'8") Reach boom	✓	
2.9 m (9'6") Reach stick		✓
2.9 m (9'6") Reach Bare stick		✓[1]
2.5 m (8'2") Reach stick		✓[2]
Bucket linkage, B1-family with lifting eye	✓[1]	
Bucket linkage, B1-family without lifting eye	✓[2]	
CAB		
ROPS	✓	
OPG		✓
High-resolution 203 mm (8") LCD touchscreen monitor	✓	
Auto bi-level air conditioner	✓	
Keyless push-to-start engine control	✓	
Height-adjustable console, three steps with tool	✓	
Fixed left-side console	✓	
Mechanical-suspension seat	✓	
51 mm (2") seat belt	✓	
Console mounted Bluetooth® radio without Auxilary/USB ports	✓	
24V DC outlet	✓	
Document storage	✓	
Cup and bottle holders	✓	
Openable two-piece front window	✓	
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	✓	

[1]Chile and Colombia only

[2]Türkiye only

[3]Provides 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.

	Standard	Optional
CAT TECHNOLOGY		
Cat Equipment Management:		
VisionLink™	✓[3]	
Remote Flash	✓	
ELECTRICAL SYSTEM		
1,000 CCA maintenance-free batteries (×2)	✓	
Centralized electrical disconnect switch	✓	
Programmable time-delay LED working lights	✓	
LED chassis light and Left Hand (LH) boom light – 1,800 lumens	✓	
LED chassis light, LH and Right Hand (RH) boom lights, cab lights – 1,800 lumens		✓
ENGINE		
Cat® C4.4 single turbo diesel engine	✓	
Two selectable power modes	✓	
One-touch low idle with automatic engine speed control	✓	
Automatic engine idle shutdown	✓	
Work up to 3000 m (9,842.5 ft) above sea level without engine power de-rating	✓	
52° C (125° F) high-ambient cooling capacity	✓	
Cold starting capability for –32° C (–25° F)	✓	
Double element air filter with integrated pre-cleaner	✓	
Electric fuel priming pump	✓	
Electric cooling fans with auto-reverse function	✓	

(continued on next page)

Standard and Optional Equipment *(continued)*

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

	Standard	Optional
HYDRAULIC SYSTEM		
Boom and stick regeneration circuits	✓	
Electronic main control valve	✓	
Auto warm up	✓	
Auto two-speed travel	✓	
Boom and stick drift reduction valve	✓	
Element type main hydraulic filter	✓	
Three button joysticks	✓	
Slider joysticks		✓
Tandem type electronic main pump	✓	
Hammer return filter circuit		✓
Basic Tool Control (one pump, one way high-pressure flow)		✓
Tool Control (two pump, one/two way high-pressure flow)		✓
Quick coupler circuit for Cat pin grabber		✓
Operating pattern film (four way)	✓	
Multi viscous hydraulic oil		✓
SAFETY AND SECURITY		
Auto hammer stop	✓	
Rearview camera	✓[4]	
Right-hand-side mirror		✓[1]
Right-hand-sideview camera		✓[4]
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		✓[1]
Travel alarm		✓[5]

	Standard	Optional
SERVICE AND MAINTENANCE		
S·O·S[SM] ports	✓	
Grouped location for engine oil and fuel filters	✓	
Ground-level second dipstick for engine oil	✓	
Refueling pump		✓[2]
Radiator screen		✓
Side entry to service platform	✓	
QuickEvac™ maintenance ready		✓
Integrated vehicle health management system	✓	
UNDERCARRIAGE AND STRUCTURES		
Medium undercarriage	✓[6]	
Long undercarriage	✓[7]	
600 mm (24")/8.5 mm (0.33") triple grouser track shoes	✓[2]	
600 mm (24")/10 mm (0.39") triple grouser track shoes	✓[1]	
Tie-down points on base frame	✓	
Center track guiding guard	✓	
Bottom guards	✓	
Travel motor guards	✓	
Swivel guard		✓
Grease lubricated track links	✓	
3700 kg (8,200 lb) counterweight	✓	

[1]Chile and Colombia only
[2]Türkiye only
[4]Mandatory in Türkiye
[5]Mandatory in Chile and Colombia
[6]Standard in Colombia, optional in Chile, not available in Türkiye
[7]Standard in Türkiye, optional in Chile, not available in Colombia

Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

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) and are compatible* with 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.

**While Caterpillar engines are compatible with these alternative fuels, some regions may not allow their use.*

***Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.*

****Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).*

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas.
  - – If equipped with R134a (Global Warming Potential = 1430), the system contains 0.85 kg (1.9 lb) of refrigerant which has a CO_2 equivalent of 1.216 metric tonnes (1.340 tons).
  - – If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 0.75 kg (1.7 lb) of refrigerant which has a CO_2 equivalent of 0.001 metric tonnes (0.001 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)

- External Sound – The labeled spectator sound power level represents the Guaranteed Value per 2000/14/EC, when properly equipped, and is measured according to the test procedures and conditions specified in ISO 6395:2008. 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
  - – Eco mode supports reduced fuel consumption for light applications
  - – 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

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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