



320

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 Hydraulic Excavator Specifications

Engine

Engine Model	Cat® C4.4	
Net Power		
ISO 9249	128.5 kW	172 hp
ISO 9249 (DIN)	175 hp (metric)	
Engine Power		
ISO 14396	129.4 kW	174 hp
ISO 14396 (DIN)	176 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⁾	

- Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
- 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 2,200 rpm.

⁽¹⁾Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels** up to:

- ✓ 20% biodiesel FAME (fatty acid methyl ester)*
- ✓ 100% renewable diesel, HVO (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details.

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

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

Swing Mechanism

Swing Speed	11.25 rpm	
Maximum Swing Torque	82 kN·m	60,300 lbf·ft

Weights

Operating Weight	22 300 kg	49,200 lb
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- Long undercarriage, HD Reach boom, HD R2.9 (9'6") stick, Heavy Duty (HD) 1.19 m³ (1.56 yd³) bucket, 600 mm (24") triple grouser shoes, and 4200 kg (9,300 lb) counterweight.

Operating Weight	22 200 kg	49,000 lb
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- Long undercarriage, HD Reach boom, HD R2.9 (9'6") stick, HD 1.19 m³ (1.56 yd³) bucket, 700 mm (28") triple grouser shoes, and 3700 kg (8,200 lb) counterweight.

Track

Optional Track Shoes Width	600 mm	24 in
Optional Track Shoes Width	700 mm	28 in
Optional Track Shoes Width	790 mm	31 in
Number of Shoes (each side)	49	
Number of Track Rollers (each side)	8	
Number of Carrier Rollers (each side)	2	

Drive

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

Hydraulic System

Main System – Maximum Flow – Implement	429 L/min (215 × 2 pumps)	113 gal/min (57 × 2 pumps)
Maximum Pressure – Equipment – Normal	35 000 kPa	5,075 psi
Maximum Pressure – Equipment – Heavy Lift Mode/Auto Dig Boost	38 000 kPa	5,510 psi
Maximum Pressure – Travel	34 300 kPa	4,974 psi
Maximum Pressure – Swing	27 500 kPa	3,998 psi
Boom Cylinder – Bore	120 mm	5 in
Boom Cylinder – Stroke	1260 mm	50 in
Stick Cylinder – Bore	140 mm	6 in
Stick Cylinder – Stroke	1504 mm	59 in
Bucket Cylinder – Bore	120 mm	5 in
Bucket Cylinder – Stroke	1104 mm	43 in

Service Refill Capacities

Fuel Tank Capacity	345 L	86.6 gal
Cooling System	25 L	6.6 gal
Engine Oil	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	115 L	30.4 gal
Diesel Exhaust Fluid (DEF) Tank	39 L	10.3 gal

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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)	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.

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 of refrigerant which has a CO₂ equivalent of 1.216 metric tonnes.

Operating Weights and Ground Pressures

	600 mm (24") Triple Grouser Shoes		700 mm (28") Triple Grouser Shoes		790 mm (31") Triple Grouser Shoes						
	Weight		Ground Pressure		Ground Pressure						
	kg	(lb)	kPa	(psi)	kg	(lb)	kPa	(psi)			
Base Machine Configurations											
Base Frame with Track Rollers and Carrier Rollers											
3700 kg (8,200 lb) Counterweight + Long Undercarriage Base Machine											
HD Reach Boom + HD R2.9 (9'6") Stick + 1.19 m ³ (1.56 yd ³) HD Bucket	21 800 (48,100)		45.3 (6.6)		22 200 (49,000)		39.6 (5.7)		22 500 (49,600)		35.5 (5.2)
4200 kg (9,300 lb) Counterweight + Long Undercarriage Base Machine											
HD Reach Boom + HD R2.9 (9'6") Stick + 1.19 m ³ (1.56 yd ³) HD Bucket	22 300 49,200		46.4 6.7		—		—		—		—

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

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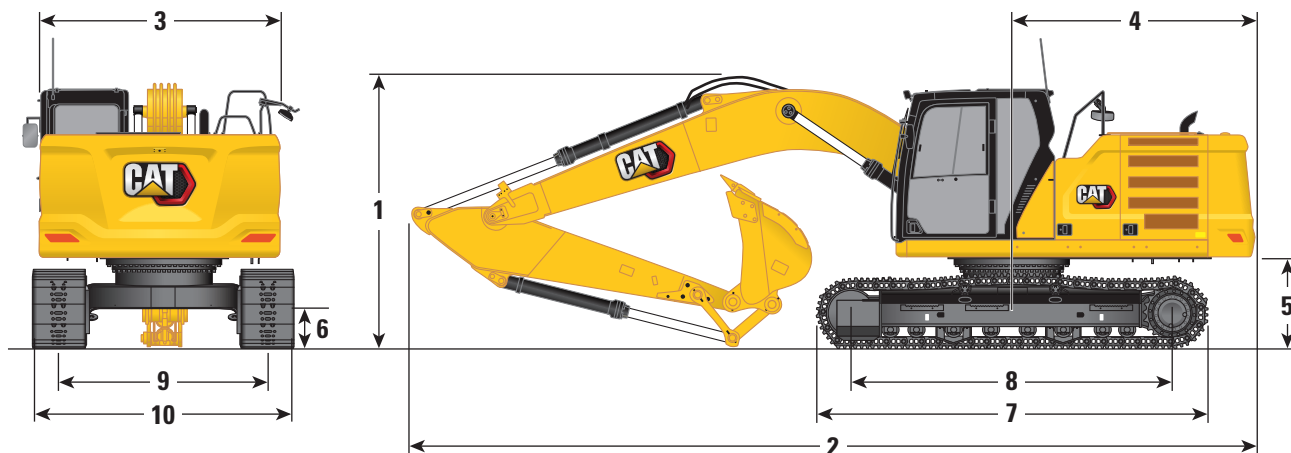
Major Component Weights

	kg	lb
Base Machine (with 3700 kg [8,200 lb] counterweight, standard swing frame, standard base frame with HD track rollers and standard carrier rollers for long undercarriage – does not include boom, stick, bucket, boom cylinders, stick cylinder, tracks, 90% fuel tank and 75 kg [165 lb] operator)	14 400	31,700
Base Machine (with 4200 kg [9,300 lb] counterweight, semi-HD swing frame, standard base frame with HD track rollers and standard carrier rollers for long undercarriage, – does not include boom, stick, bucket, boom cylinders, stick cylinder, tracks, 90% fuel tank and 75 kg [165 lb] operator)	14 800	32,600
Base Machine (with 4700 kg [10,400 lb] counterweight, semi-HD swing frame, standard base frame with HD track rollers and standard carrier rollers for long undercarriage – does not include boom, stick, bucket, boom cylinders, stick cylinder, tracks, 90% fuel tank and 75 kg [165 lb] operator)	15 300	33,700
Track Shoes:		
600 mm (24") Width, 10 mm (0.39") Thick Triple Grouser Track Shoes	2690	5,900
700 mm (28") Width, 10 mm (0.39") Thick Triple Grouser Track Shoes	3050	6,700
790 mm (31") Width, 10 mm (0.39") Thick Triple Grouser Track Shoes with Step Extension	3370	7,400
Two Boom Cylinders	340	750
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	310	680
Counterweights:		
3700 kg (8,200 lb) Counterweight	3700	8,200
4200 kg (9,300 lb) Counterweight	4200	9,300
4700 kg (10,400 lb) Counterweight	4700	10,400
Swing Frames:		
Standard Swing Frame	1880	4,150
Semi-HD Swing Frame	1910	4,210
Undercarriage:		
Standard Base Frame with HD Track Rollers and Standard Carrier Rollers	4390	9,700
Booms (including lines, pins, stick cylinder):		
HD Reach Boom 5.7 m (18'8")	2010	4,400
Super Long Reach Boom 8.85 m (29'0")	2170	4,800
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
HD Reach Stick R2.9B1 (9'6")	1110	2,400
HD Reach Stick R2.5B1 (8'2")	1060	2,300
Super Long Reach Stick 6.28A (20'7")	1340	3,000
Buckets (without linkage):		
1.19 m ³ (1.56 yd ³) General Duty (GD)	815	1,800
1.19 m ³ (1.56 yd ³) HD	960	2,100
0.57 m ³ (0.74 yd ³) Ditch Cleaning (DC)	390	850
0.53 m ³ (0.69 yd ³) GD	410	900
Quick Couplers (QC):		
CW Dedicated	230	500
Pin Grabber QC	390	850

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Dimensions

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

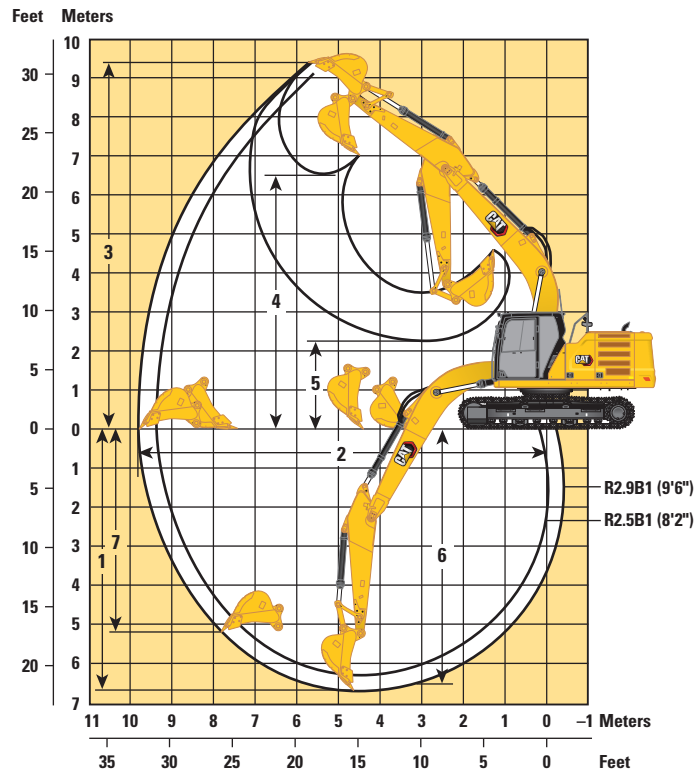


Boom Options	HD Reach Boom 5.7 m (18'8")		SLR Boom 8.85 m (29'0")			
Stick Options	HD Reach Sticks R2.9B1 (9'6")		SLR Stick 6.28A (20'7")			
1 Machine Height:						
Top of Cab Height	2960 mm	9'9"	2960 mm	9'9"	2960 mm	9'9"
Top of GNSS Antenna Height (if installed)	3000 mm	9'10"	3000 mm	9'10"	3000 mm	9'10"
Top of OPG Height	3100 mm	10'2"	3100 mm	10'2"	3100 mm	10'2"
Handrails Height	2950 mm	9'8"	2950 mm	9'8"	2950 mm	9'8"
With Boom/Stick/Bucket Installed	3160 mm	10'4"	3080 mm	10'1"	3190 mm	10'6"
With Boom/Stick Installed	2910 mm	9'7"	2830 mm	9'3"	3070 mm	10'1"
With Boom Installed	2480 mm	8'2"	2480 mm	8'2"	2650 mm	8'8"
2 Machine Length:						
With Boom/Stick/Bucket Installed	9530 mm	31'3"	9530 mm	31'3"	12 750 mm	41'10"
With Boom/Stick Installed	9500 mm	31'2"	9480 mm	31'1"	12 760 mm	41'10"
With Boom Installed	8450 mm	27'9"	8450 mm	27'9"	8920 mm	29'3"
3 Upperframe Width	2780 mm	9'1"	2780 mm	9'1"	2780 mm	9'1"
4 Tail Swing Radius	2830 mm	9'3"	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	1'7"	470 mm	1'7"	470 mm	1'7"
7 Track Length	4450 mm	14'7"	4450 mm	14'7"	4450 mm	14'7"
8 Length to Center of Rollers	3650 mm	12'0"	3650 mm	12'0"	3650 mm	12'0"
9 Track Gauge	2380 mm	7'9"	2380 mm	7'9"	2380 mm	7'9"
10 Undercarriage Width:						
600 mm (24") Shoes	2980 mm	9'9"	2980 mm	9'9"	2980 mm	9'9"
700 mm (28 in) Shoes	3080 mm	10'1"	3080 mm	10'1"	3080 mm	10'1"
790 mm (31 in) Shoes	3170 mm	10'5"	3170 mm	10'5"	3170 mm	10'5"
Bucket Type	HD		HD		GD	
Bucket Capacity	1.19 m ³	1.56 yd ³	1.19 m ³	1.56 yd ³	0.53 m ³	0.69 yd ³
Bucket Tip Radius	1580 mm	5'2"	1580 mm	5'2"	1220 mm	4'0"

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Working Ranges

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



Boom Option

HD Reach Boom
5.7 m (18'8")

Stick Options

HD Reach Sticks

R2.9B1 (9'6")

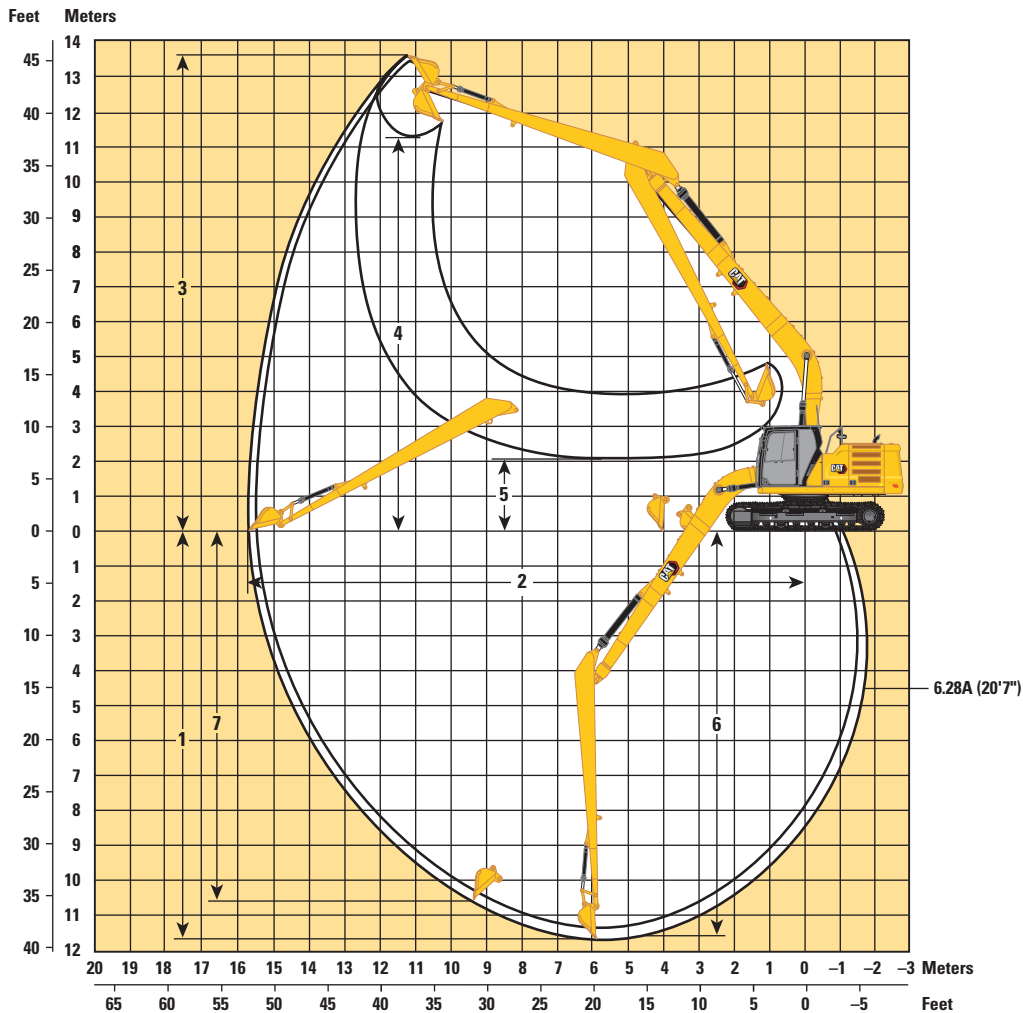
R2.5B1 (8'2")

	R2.9B1 (9'6")	R2.5B1 (8'2")
1 Maximum Digging Depth	6720 mm	22'1"
2 Maximum Reach at Ground Line	9860 mm	32'4"
3 Maximum Cutting Height	9370 mm	30'9"
4 Maximum Loading Height	6490 mm	21'4"
5 Minimum Loading Height	2170 mm	7'1"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6550 mm	21'6"
7 Maximum Vertical Wall Digging Depth	5190 mm	17'0"
Bucket Digging Force (ISO)	150 kN	33,811 lbf
Stick Digging Force (ISO)	106 kN	23,911 lbf
Bucket Digging Force (ISO) – Auto Dig Boost	163 kN	36,709 lbf
Stick Digging Force (ISO) – Auto Dig Boost	115 kN	25,960 lbf
Bucket Type	HD	HD
Bucket Capacity	1.19 m ³	1.56 yd ³
Bucket Tip Radius	1570 mm	5'2"

320 Hydraulic Excavator Specifications

Working Ranges

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



Boom Option

SLR Boom
8.85 m (29'0")

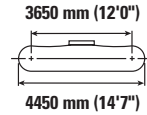
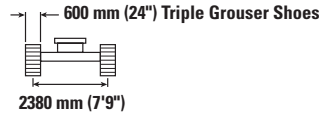
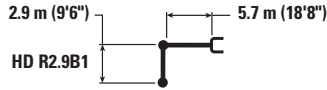
Stick Option

SLR Stick
6.28A (20'7")

1 Maximum Digging Depth	11 690 mm	38'4"	11 540 mm	37'10"
2 Maximum Reach at Ground Line	15 730 mm	51'7"	15 570 mm	51'1"
3 Maximum Cutting Height	13 610 mm	44'8"	13 540 mm	44'5"
4 Maximum Loading Height	11 290 mm	37'0"	11 440 mm	37'6"
5 Minimum Loading Height	2080 mm	6'10"	2240 mm	7'4"
6 Maximum Depth Cut for 2440 mm (8'0'') Level Bottom	11 590 mm	38'0"	11 440 mm	37'6"
7 Maximum Vertical Wall Digging Depth	10 560 mm	34'8"	11 020 mm	36'2"
Bucket Digging Force (ISO)	60 kN	13,549 lbf	62 kN	13,841 lbf
Stick Digging Force (ISO)	49 kN	10,935 lbf	49 kN	10,966 lbf
Bucket Type	GD		DC	
Bucket Capacity	0.53 m ³	0.69 yd ³	0.57 m ³	0.75 yd ³
Bucket Tip Radius	1230 mm	4'0"	1070 mm	3'6"

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HD Reach Boom Lift Capacities – Counterweight: 3700 kg (8,200 lb) – without Bucket – Heavy Lift: On



		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							*4900 *11,750	*4900 10,950			*4250 *9,400	*4250 *9,400	6150 19'09"
6000 mm 20'0"	kg lb							*5350 *11,750	5100 10,950			*3900 *8,650	3650 8,150	7290 23'08"
4500 mm 15'0"	kg lb							*5900 *12,800	4950 10,600	5400 11,550	3450 7,400	*3850 *8,450	3100 6,850	7990 26'01"
3000 mm 10'0"	kg lb					*8600 *18,550	7200 15,500	*6750 *14,650	4700 10,100	5250 11,300	3350 7,200	*3950 *8,650	2800 6,200	8360 27'04"
1500 mm 5'0"	kg lb					*10 450 *22,500	6650 14,350	7200 15,450	4450 9,550	5150 11,050	3250 6,900	*4150 *9,150	2700 5,950	8450 27'08"
0 mm 0'0"	kg lb			*6750 *15,450	*6750 *15,450	11 050 23,700	6350 13,700	7000 15,000	4250 9,150	5050 10,800	3150 6,750	4400 9,650	2750 6,000	8260 27'01"
-1500 mm -5'0"	kg lb	*7200 *16,100	*7200 *16,100	*11 650 *26,450	*11 650 25,900	10 950 23,450	6250 13,500	6900 14,800	4200 9,000	5000 10,750	3100 6,650	4750 10,500	2950 6,500	7780 25'05"
-3000 mm -10'0"	kg lb	*12 350 *27,750	*12 350 *27,750	*15 300 *33,150	12 300 26,300	*10 800 *23,350	6350 13,600	6950 14,900	4200 9,050			5650 12,500	3500 7,700	6950 22'08"
-4500 mm -15'0"	kg lb			*12 200 *26,100	*12 200 *26,100	*8750 *18,650	6550 14,100					*6600 *14,550	4850 10,900	5600 18'0"



ISO 10567:2007



* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

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

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

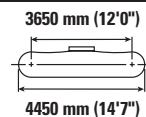
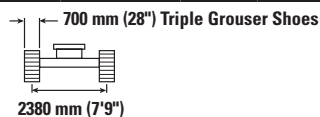
There may be local regulations and/or government regulations that govern the use of excavators for lifting heavy objects. Obey all local and government regulations.

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

Contact your Cat dealer for additional information.

320 Hydraulic Excavator Specifications

HD Reach Boom Lift Capacities – Counterweight: 3700 kg (8,200 lb) – without Bucket – Heavy Lift: On



		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							*4900	*4900			*4250 *9,400	*4250 *9,400	6150 19'09"
6000 mm 20'0"	kg lb							*5350 *11,750	5150 11,050			*3900 *8,650	3700 8,250	7290 23'08"
4500 mm 15'0"	kg lb							*5900 *12,800	5000 10,700	5450 11,650	3500 7,450	*3850 *8,450	3150 6,900	7990 26'01"
3000 mm 10'0"	kg lb					*8600 *18,550	7250 15,650	*6750 *14,650	4750 10,200	5300 11,400	3400 7,250	*3950 *8,650	2850 6,250	8360 27'04"
1500 mm 5'0"	kg lb					*10 450 *22,500	6700 14,500	7250 15,600	4500 9,650	5200 11,150	3250 7,000	*4150 *9,150	2750 6,000	8450 27'08"
0 mm 0'0"	kg lb			*6750 *15,450	*6750 *15,450	11 150 23,950	6450 13,800	7050 15,200	4300 9,250	5100 10,950	3150 6,800	4450 9,750	2750 6,100	8260 27'01"
-1500 mm -5'0"	kg lb	*7200 *16,100	*7200 *16,100	*11 650 *26,450	*11 650 *26,150	11 050 23,700	6350 13,600	6950 15,000	4250 9,100	5050 10,850	3150 6,750	4800 10,600	3000 6,600	7780 25'05"
-3000 mm -10'0"	kg lb	*12 350 *27,750	*12 350 *27,750	*15 300 *33,150	12 400 26,600	*10 800 *23,350	6400 13,750	7000 15,050	4250 9,150			5700 12,600	3550 7,800	6950 22'08"
-4500 mm -15'0"	kg lb			*12 200 *26,100	*12 200 *26,100	*8750 *18,650	6600 14,250					*6600 *14,550	4900 11,000	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 $\pm 5\%$ for all available track shoes.

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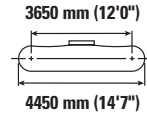
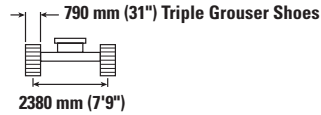
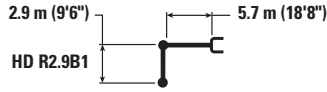
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Regional regulations may require the use of an overload warning device and boom and stick lowering control valves during object handling applications.

Contact your Cat dealer for additional information.

320 Hydraulic Excavator Specifications

HD Reach Boom Lift Capacities – Counterweight: 3700 kg (8,200 lb) – without Bucket – Heavy Lift: On



		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							*4900	*4900			*4250 *9,400	*4250 *9,400	6150 19'09"
6000 mm 20'0"	kg lb							*5350 *11,750	5200 11,200			*3900 *8,650	3750 8,350	7290 23'08"
4500 mm 15'0"	kg lb							*5900 *12,800	5050 10,850	5500 11,800	3550 7,550	*3850 *8,450	3150 7,000	7990 26'01"
3000 mm 10'0"	kg lb					*8600 *18,550	7350 15,850	*6750 *14,650	4800 10,350	5400 11,600	3450 7,350	*3950 *8,650	2900 6,350	8360 27'04"
1500 mm 5'0"	kg lb					*10 450 *22,500	6800 14,700	7350 15,850	4550 9,800	5250 11,300	3300 7,100	*4150 *9,150	2750 6,100	8450 27'08"
0 mm 0'0"	kg lb			*6750 *15,450	*6750 *15,450	11 350 24,300	6500 14,000	7150 15,400	4350 9,400	5150 11,100	3200 6,900	4500 9,900	2800 6,200	8260 27'01"
-1500 mm -5'0"	kg lb	*7200 *16,100	*7200 *16,100	*11 650 *26,450	*11 650 *26,450	11 200 24,050	6450 13,800	7100 15,200	4300 9,200	5150 11,050	3200 6,850	4900 10,750	3050 6,700	7780 25'05"
-3000 mm -10'0"	kg lb	*12 350 *27,750	*12 350 *27,750	*15 300 *33,150	12 600 26,950	*10 800 *23,350	6500 13,950	7100 15,300	4300 9,300			5800 12,800	3600 7,900	6950 22'08"
-4500 mm -15'0"	kg lb			*12 200 *26,100	*12 200 *26,100	*8750 *18,650	6700 14,450					*6600 *14,550	4950 11,150	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 $\pm 5\%$ for all available track shoes.

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

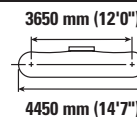
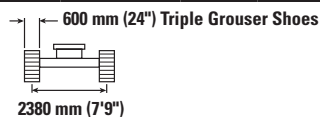
There may be local regulations and/or government regulations that govern the use of excavators for lifting heavy objects. Obey all local and government regulations.












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 Hydraulic Excavator Specifications

HD Reach Boom Lift Capacities – Counterweight: 3700 kg (8,200 lb) – without Bucket – Heavy Lift: On



		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									*5100 *11,400	*5100 *11,400	5600 17'11"
6000 mm 20'0"	kg lb					*5800 *12,750	5050 10,800			*4700 *10,350	4050 9,000	6830 22'02"
4500 mm 15'0"	kg lb			*7300 *15,800	*7300 *15,800	*6300 *13,650	4900 10,500	*5200 3400		*4600 *10,100	3350 7,400	7570 24'08"
3000 mm 10'0"	kg lb			*9200 *19,800	7050 15,200	*7100 *15,400	4650 10,000	5250 11,250	3300 7,100	*4700 *10,350	3000 6,650	7960 26'0"
1500 mm 5'0"	kg lb			*10 850 *23,400	6550 14,150	7150 15,400	4400 9,500	5100 11,000	3200 6,900	4600 10,150	2900 6,350	8050 26'04"
0 mm 0'0"	kg lb			11 000 23,600	6350 13,650	7000 15,000	4250 9,150	5050 10,850	3150 6,750	4700 10,400	2950 6,500	7860 25'09"
-1500 mm -5'0"	kg lb	*12 300 *27,950	12 250 26,150	10 950 23,500	6300 13,550	6900 14,900	4200 9,050			5200 11,400	3250 7,100	7350 24'0"
-3000 mm -10'0"	kg lb	*14 350 *31,100	12 450 26,650	*10 400 *22,500	6400 13,750	7000 15,100	4300 9,200			6300 14,000	3900 8,650	6470 21'0"
-4500 mm -15'0"	kg lb			*7750 *16,250	6700 14,400					*6700 *14,700	5800 13,150	4980 16'0"



ISO 10567:2007



* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

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

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

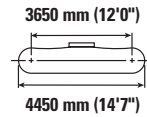
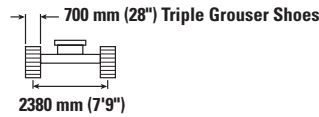
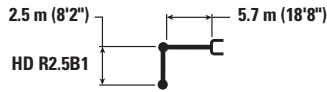
There may be local regulations and/or government regulations that govern the use of excavators for lifting heavy objects. Obey all local and government regulations.












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

Contact your Cat dealer for additional information.

320 Hydraulic Excavator Specifications

HD Reach Boom Lift Capacities – Counterweight: 3700 kg (8,200 lb) – without Bucket – Heavy Lift: On



		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									*5100 *11,400	*5100 *11,400	5600 17'11"
6000 mm 20'0"	kg lb					*5800 *12,750	5050 10,900			*4700 *10,350	4050 9,100	6830 22'02"
4500 mm 15'0"	kg lb			*7300 *15,800	*7300 *15,800	*6300 *13,650	4900 10,600	*5200 3450		*4600 *10,100	3400 7,500	7570 24'08"
3000 mm 10'0"	kg lb			*9200 *19,800	7100 15,350	*7100 *15,400	4700 10,100	5300 11,350	3350 7,200	*4700 *10,350	3050 6,700	7960 26'00"
1500 mm 5'0"	kg lb			*10 850 *23,400	6650 14,300	7250 15,550	4450 9,600	5200 11,100	3250 7,000	4650 10,250	2950 6,450	8050 26'04"
0 mm 0'0"	kg lb			11 150 23,850	6400 13,800	7050 15,150	4300 9,250	5100 10,950	3200 6,850	4750 10,500	3000 6,550	7860 25'09"
-1500 mm -5'0"	kg lb	*12 300 *27,950	*12 300 26,400	11 100 23,750	6350 13,700	7000 15,050	4250 9,150			5250 11,550	3250 7,200	7350 24'0"
-3000 mm -10'0"	kg lb	*14 350 *31,100	12 550 26,900	*10 400 *22,500	6450 13,900	7100 15,250	4300 9,300			6400 14,150	3950 8,750	6470 21'0"
-4500 mm -15'0"	kg lb			*7750 *16,250	6750 14,550					*6700 *14,700	5850 13,300	4980 16'0"



ISO 10567:2007



* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

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

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

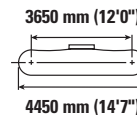
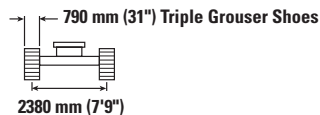
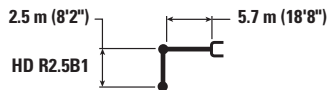
There may be local regulations and/or government regulations that govern the use of excavators for lifting heavy objects. Obey all local and government regulations.

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

Contact your Cat dealer for additional information.

320 Hydraulic Excavator Specifications

HD Reach Boom Lift Capacities – Counterweight: 3700 kg (8,200 lb) – without Bucket – Heavy Lift: On



Boom Length	Unit	3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm ft/in		
		kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	mm ft/in	
7500 mm 25'0"	kg lb									*5100 *11,400	*5100 *11,400	5600 17'11"
6000 mm 20'0"	kg lb					*5800 *12,750	5150 11,000			*4700 *10,350	4150 9,200	6830 22'02"
4500 mm 15'0"	kg lb			*7300 *15,800	*7300 *15,800	*6300 *13,650	5000 10,700	*5200 3500		*4600 *10,100	3450 7,600	7570 24'08"
3000 mm 10'0"	kg lb			*9200 *19,800	7200 15,550	*7100 *15,400	4750 10,200	5350 11,500	3400 7,300	*4700 *10,350	3100 6,800	7960 26'00"
1500 mm 5'0"	kg lb			*10 850 *23,400	6750 14,500	7350 15,750	4500 9,700	5250 11,300	3300 7,100	4750 10,400	3000 6,550	8050 26'04"
0 mm 0'0"	kg lb			11 300 24,200	6500 13,950	7150 15,400	4350 9,400	5150 11,100	3250 6,950	4850 10,650	3050 6,650	7860 25'09"
-1500 mm -5'0"	kg lb	*12 300 *27,950	*12 300 26,800	11 250 24,100	6450 13,900	7100 15,250	4300 9,300			5300 11,700	3300 7,300	7350 24'0"
-3000 mm -10'0"	kg lb	*14 350 *31,100	12 750 27,250	*10 400 *22,500	6550 14,100	7200 15,450	4400 9,450			6450 14,350	4000 8,850	6470 21'0"
-4500 mm -15'0"	kg lb			*7750 *16,250	6850 14,750					*6700 *14,700	5950 13,500	4980 16'0"



ISO 10567:2007



* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

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

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

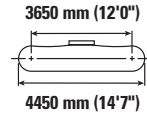
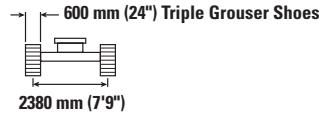
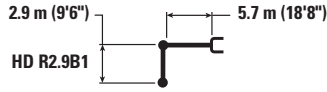
There may be local regulations and/or government regulations that govern the use of excavators for lifting heavy objects. Obey all local and government regulations.

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

Contact your Cat dealer for additional information.

320 Hydraulic Excavator Specifications

HD Reach Boom Lift Capacities – Counterweight: 4200 kg (9,300 lb) – without Bucket – Heavy Lift: On



		1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm ft/inch		
7500 mm 25'0"	kg lb							*4900	*4900			*4250 *9,400	*4250 *9,400	6150 19'09"
6000 mm 20'0"	kg lb							*5350 *11,750	*5350 11,600			*3900 *8,650	3900 *8,650	7290 23'08"
4500 mm 15'0"	kg lb							*5900 *12,800	5250 11,250	*5550 *12,150	3700 7,900	*3850 *8,450	3300 7,300	7990 26'01"
3000 mm 10'0"	kg lb					*8600 *18,550	7650 16,450	*6750 *14,650	5000 10,750	5550 11,950	3600 7,700	*3950 *8,650	3000 6,650	8360 27'04"
1500 mm 5'0"	kg lb					*10 450 *22,500	7100 15,300	7600 16,300	4750 10,200	5400 11,650	3450 7,400	*4200 *9,150	2900 6,350	8450 27'08"
0 mm 0'0"	kg lb			*6550 *15,050	*6550 *15,050	*11 450 *24,750	6800 14,650	7400 15,850	4550 9,800	5300 11,450	3350 7,250	*4600 *10,150	2950 6,450	8260 27'01"
-1500 mm -5'0"	kg lb	*7000 *15,650	*7000 *15,650	*11 350 *25,750	*11 350 *25,750	*11 550 24,750	6700 14,450	7300 15,650	4500 9,650	5300 11,350	3350 7,150	5050 11,100	3200 7,000	7780 25'05"
-3000 mm -10'0"	kg lb	*12 050 *27,000	*12 050 *27,000	*15 300 *33,150	13 100 28,100	*10 800 *23,350	6750 14,550	7350 15,750	4500 9,700			5950 13,200	3750 8,300	6950 22'08"
-4500 mm -15'0"	kg lb			*12 200 *26,100	*12 200 *26,100	*8750 *18,650	7000 15,050					*6600 *14,550	5150 11,650	5600 18'0"



ISO 10567:2007



* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

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

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

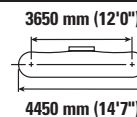
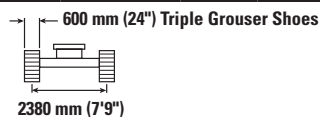
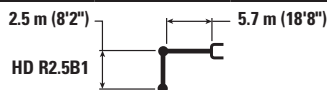
There may be local regulations and/or government regulations that govern the use of excavators for lifting heavy objects. Obey all local and government regulations.

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

Contact your Cat dealer for additional information.

320 Hydraulic Excavator Specifications

HD Reach Boom Lift Capacities – Counterweight: 4200 kg (9,300 lb) – without Bucket – Heavy Lift: On



	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									*5100 *11,400	*5100 *11,400	5600 17'11"
6000 mm 20'0"	kg lb				*5800 *12,750	5350 11,450				*4700 *10,350	4300 9,600	6830 22'02"
4500 mm 15'0"	kg lb			*7300 *15,800	*7300 *15,800	*6300 *13,650	5200 11,150	*5200 3650		*4600 *10,100	3600 7,900	7570 24'08"
3000 mm 10'0"	kg lb			*9200 *19,800	7500 16,150	*7100 *15,400	4950 10,650	5500 11,850	3550 7,600	*4700 *10,350	3250 7,100	7960 26'0"
1500 mm 5'0"	kg lb			*10 850 *23,450	7000 15,100	7550 16,200	4700 10,150	5400 11,650	3450 7,400	4850 10,700	3100 6,850	8050 26'04"
0 mm 0'0"	kg lb			*11 600 24,950	6800 14,600	7350 15,850	4550 9,800	5350 11,450	3400 7,250	5000 11,000	3150 6,950	7860 25'09"
-1500 mm -5'0"	kg lb	*11 950 *27,200	*11 950 *27,200	*11 450 *24,750	6750 14,500	7300 15,700	4500 9,700			5500 12,100	3450 7,600	7350 24'0"
-3000 mm -10'0"	kg lb	*14 350 *31,100	13 250 28,400	*10 400 *22,500	6850 14,700	7400 15,900	4600 9,900			6650 14,800	4150 9,250	6470 21'0"
-4500 mm -15'0"	kg lb			*7750 *16,250	7100 15,400					*6700 *14,700	6200 14,050	4980 16'0"



ISO 10567:2007



* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

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

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

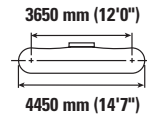
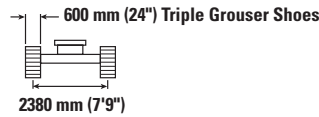
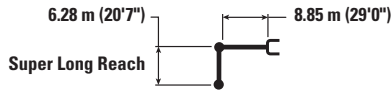
There may be local regulations and/or government regulations that govern the use of excavators for lifting heavy objects. Obey all local and government regulations.

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

Contact your Cat dealer for additional information.

320 Hydraulic Excavator Specifications

SLR Boom Lift Capacities – Counterweight: 4700 kg (10,400 lb) – without Bucket – Heavy Lift: Off



Reach	Unit	1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm ft/in		
		kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	
12 000 mm 40'0"	kg lb											*1450 *3,200	*1450 *3,200	10 350 33'3"
10 500 mm 35'0"	kg lb											*1350 *2,950	*1350 *2,950	11 660 37'9"
9000 mm 30'0"	kg lb											*1300 *2,850	*1300 *2,850	12 660 41'2"
7500 mm 25'0"	kg lb											*1250 *2,800	*1250 *2,800	13 410 43'9"
6000 mm 20'0"	kg lb											*1250 *2,750	*1250 *2,750	13 970 45'8"
4500 mm 15'0"	kg lb											*1300 *2,800	1200 2,650	14 340 46'11"
3000 mm 10'0"	kg lb			*4700 *11,800	*4700 *11,800	*6050 *12,900	*6050 *12,900	*4450 *9,550	*4450 *9,550	*3600 *7,800	*3600 *7,800	*1300 *2,900	1150 2,500	14 550 47'8"
1500 mm 5'0"	kg lb					*6750 *15,950	6400 13,800	*5250 *11,300	4400 9,550	*4100 *8,850	3250 7,050	*1400 *3,000	1100 2,400	14 600 47'10"
0 mm 0'0"	kg lb			*2000 *4,550	*2000 *4,550	*4650 *10,700	*4650 *10,700	*5900 *12,700	3950 8,550	*4550 *9,800	3000 6,400	*1450 *3,200	1100 2,350	14 490 47'6"
-1500 mm -5'0"	kg lb	*2100 *4,600	*2100 *4,600	*2700 *6,050	*2700 *6,050	*4650 *10,500	*4650 *10,500	*6250 *13,550	3700 7,950	4750 10,200	2750 5,950	*1550 *3,450	1100 2,400	14 230 46'7"
-3000 mm -10'0"	kg lb	*2850 *6,350	*2850 *6,350	*3500 *7,850	*3500 *7,850	*5200 *11,700	*5200 *11,450	6350 13,650	3550 7,650	4600 9,900	2650 5,700	*1750 *3,800	1150 2,450	13 790 45'2"
-4500 mm -15'0"	kg lb	*3650 *8,150	*3650 *8,150	*4400 *9,900	*4400 *9,900	*6050 *13,700	5350 11,500	6300 13,550	3500 7,550	4550 9,800	2600 5,550	*1950 *4,300	1200 2,650	13 170 43'1"
-6000 mm -20'0"	kg lb	*4550 *10,100	*4550 *10,100	*5400 *12,150	*5400 *12,150	*7200 *16,300	5450 11,750	*6150 *13,250	3550 7,650	4550 9,850	2600 5,600	*2300 *5,100	1350 3,000	12 340 40'3"
-7500 mm -25'0"	kg lb	*5500 *12,250	*5500 *12,250	*6550 *14,800	*6550 *14,800	*7300 *15,650	5650 12,200	*5650 *12,150	3700 7,900	*4550 *9,750	2700 5,750	*2700 *5,950	1600 3,550	11 240 36'6"
-9000 mm -30'0"	kg lb			*7950 *17,450	*7950 *17,450	*6150 *13,100	5950 12,800	*4850 *10,350	3850 8,350	*3900 *8,300	2800 6,100	*2700 *5,900	2000 4,550	9800 31'7"



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.

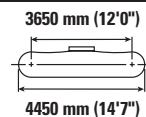
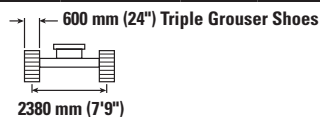
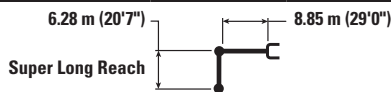
Regional regulations may require the use of an overload warning device and boom and stick lowering control valves during object handling applications.












Contact your Cat dealer for additional information.

(continued on next page)

320 Hydraulic Excavator Specifications

SLR Boom Lift Capacities – Counterweight: 4700 kg (10,400 lb) – without Bucket – Heavy Lift: Off (continued)



		9000 mm/30'0"		10 500 mm/35'0"		12 000 mm/40'0"		13 500 mm/45'0"				mm in
												
12 000 mm 40'0"	kg lb									*1450 *3,200	*1450 *3,200	10 350 33'3"
10 500 mm 35'0"	kg lb			*2200 *4,850	*2200 *4,850					*1350 *2,950	*1350 *2,950	11 660 37'9"
9000 mm 30'0"	kg lb			*2200 *4,800	*2200 *4,800	*2200 *4,200	1950 4,050			*1300 *2,850	*1300 *2,850	12 660 41'2"
7500 mm 25'0"	kg lb			*2250 *4,900	*2250 *4,900	*2200 *4,850	1900 4,050			*1250 *2,800	*1250 *2,800	13 410 43'9"
6000 mm 20'0"	kg lb			*2400 *5,200	*2400 *5,150	*2300 *5,000	1850 3,950	*2100 *3,700	1450 3,050	*1250 *2,750	*1250 *2,750	13 970 45'8"
4500 mm 15'0"	kg lb	*2800 *6,050	*2800 *6,050	*2550 *5,550	2300 4,850	*2400 *5,200	1800 3,800	2300 4,900	1400 2,950	*1300 *2,800	1200 2,650	14 340 46'11"
3000 mm 10'0"	kg lb	*3100 *6,750	2750 5,900	*2800 *6,000	2150 4,550	*2550 *5,500	1700 3,600	2250 4,750	1350 2,850	*1300 *2,900	1150 2,500	14 550 47'8"
1500 mm 5'0"	kg lb	*3450 *7,400	2500 5,400	*3000 *6,450	2000 4,250	2650 5,650	1600 3,400	2150 4,650	1300 2,700	*1400 *3,000	1100 2,400	14 600 47'10"
0 mm 0'0"	kg lb	*3700 *8,050	2350 5,000	3100 6,650	1850 3,950	2550 5,450	1500 3,200	2100 4,500	1250 2,600	*1450 *3,200	1100 2,350	14 490 47'6"
-1500 mm -5'0"	kg lb	3700 7,950	2200 4,650	3000 6,400	1750 3,750	2450 5,300	1450 3,050	2050 4,450	1200 2,500	*1550 *3,450	1100 2,400	14 230 46'7"
-3000 mm -10'0"	kg lb	3600 7,700	2100 4,450	2900 6,250	1700 3,600	2400 5,200	1400 2,950	2050 *4,200	1150 2,500	*1750 *3,800	1150 2,450	13 790 45'2"
-4500 mm -15'0"	kg lb	3550 7,600	2050 4,350	2850 6,150	1650 3,500	2400 5,150	1350 2,950			*1950 *4,300	1200 2,650	13 170 43'1"
-6000 mm -20'0"	kg lb	3550 7,600	2050 4,350	2900 6,200	1650 3,550	2450 5,250	1400 3,000			*2300 *5,100	1350 3,000	12 340 40'3"
-7500 mm -25'0"	kg lb	3600 7,750	2100 4,500	2950 6,350	1700 3,700					*2700 *5,950	1600 3,550	11 240 36'6"
-9000 mm -30'0"	kg lb	*3150 *6,500	2250 4,850							*2700 *5,900	2000 4,550	9800 31'7"



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.

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 Hydraulic Excavator Specifications

Bucket Specifications and Compatibility – Chile, Colombia

	Linkage	Width		Capacity		Weight		Fill	Counterweight 3700 kg (8,200 lb)		
		mm	in	m ³	yd ³	kg	lb		%	HD Reach Boom	
										HD R2.5 (8'2")	HD 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	⊙	⊖	
Maximum load with pin-on (payload + bucket)								kg	2955	2735	
								lb	6,515	6,030	
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	2533	2314	
								lb	5,585	5,102	

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

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³)
- ⊙ 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- 1200 kg/m³ (2,000 lb/yd³)
- ◇ 900 kg/m³ (1,500 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.

320 Hydraulic Excavator Specifications

Bucket Specifications and Compatibility – Turkey

	Linkage	Width		Capacity		Weight		Fill	Counterweight		
									4200 kg (9,300 lb)		4700 kg (10,400 lb)
									HD Reach Boom		SLR Boom
									HD R2.5 (8'2")	HD R2.9 (9'6")	6.28A (20'7")
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	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	3261	2973	880
								lb	7,189	6,553	1,940
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	2772	2539	680
								lb	6,110	5,597	1,500

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

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³)
- ⊙ 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- ◇ 900 kg/m³ (1,500 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.

320 Hydraulic Excavator Specifications

Attachments Offering Guide – Chile, Colombia

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

Match
 * Working range front only
 No Match
 1800 kg/m³ (3,000 lb/yd³)
 1200 kg/m³ (2,000 lb/yd³)

PIN-ON ATTACHMENTS

Counterweight		3700 kg (8,200 lb)	
Boom Type		HD Reach	
Stick Length		HD R2.5 (8'2")	HD R2.9 (9'6")
Hydraulic Hammers	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	✓	✓
Mulchers	HM4015	✓	✓
	HM4815	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓
Rotary Cutters	RC20	✓	✓
Orange Peel Grapples	GSH420-500	●	●
	GSH420-600	●	●
	GSH420-750	●	●
	GSH425-750	○	○
	GSH425-950		
	GSH520-500	●	●
	GSH520-600	●	●
	GSH520-750	○	○
GSH525-750			

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320 Hydraulic Excavator Specifications

Attachments Offering Guide – Chile, Colombia (continued)

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

Match

* Working range front only

No Match

PIN GRABBER COUPLER ATTACHMENTS

Counterweight		3700 kg (8,200 lb)	
Boom Type		HD Reach	
Stick Length		HD R2.5 (8'2")	HD R2.9 (9'6")
Hydraulic Hammers	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	✓*	
Mulchers	HM4015	✓	✓
	HM4815	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓
Rotary Cutters	RC20	✓	✓

S70 DEDICATED COUPLER ATTACHMENTS

Counterweight		3700 kg (8,200 lb)	
Boom Type		HD Reach	
Stick Length		HD R2.5 (8'2")	HD R2.9 (9'6")
Hydraulic Hammers	H115 S	✓	✓
	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	✓	✓
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓*	
Pulverizers	P218 Secondary Pulverizer	✓	✓*
	P318 Primary Pulverizer	✓	✓*
Compactors (Vibratory Plate)	CVP110	✓	✓
Rotary Cutters	RC20	✓	✓

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320 Hydraulic Excavator Specifications

Attachments Offering Guide – Chile, Colombia *(continued)*

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

Match * Working range front only No Match

HCS70 DEDICATED COUPLER ATTACHMENTS

Counterweight		3700 kg (8,200 lb)	
Boom Type		HD Reach	
Stick Length		HD R2.5 (8'2")	HD R2.9 (9'6")
Hydraulic Hammers	H115 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	✓	✓*
Mobile Scrap and Demolition Shears	S3025 Flat Top		
Pulverizers	P218 Secondary Pulverizer	✓*	
	P318 Primary Pulverizer	✓*	
Compactors (Vibratory Plate)	CVP110	✓	✓
Rotary Cutters	RC20	✓	✓

HCS70/55 DEDICATED COUPLER ATTACHMENTS

Counterweight		3700 kg (8,200 lb)	
Boom Type		HD Reach	
Stick Length		HD R2.5 (8'2")	HD R2.9 (9'6")
Hydraulic Hammers	H115 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	✓	
Mobile Scrap and Demolition Shears	S3025 Flat Top		
Pulverizers	P218 Secondary Pulverizer	✓*	
	P318 Primary Pulverizer	✓*	
Compactors (Vibratory Plate)	CVP110	✓	✓
Rotary Cutters	RC20	✓	✓

(continued on next page)

320 Hydraulic Excavator Specifications

Attachments Offering Guide – Chile, Colombia (continued)

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

Match

* Working range front only

No Match

TRS18 (PIN-ON TOP/S70 BOTTOM) ATTACHMENTS

Some attachments require more hydraulic flow and are best suited with a machine that has HP2 circuits and a tiltrotator with a high flow swivel. Check the hydraulic capability of your machine and tiltrotator and the requirements of your attachment to ensure a proper match.

Counterweight 3700 kg (8,200 lb)

Boom Type HD Reach

Stick Length HD R2.5 (8'2") HD R2.9 (9'6")

Hydraulic Hammers	H115 S	✓	✓
	H120 GC S	✓	✓*
	H120 S	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓
	CVP110	✓	✓

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

TRS18 (S70 TOP/S70 BOTTOM) ATTACHMENTS

Some attachments require more hydraulic flow and are best suited with a machine that has HP2 circuits and a tiltrotator with a high flow swivel. Check the hydraulic capability of your machine and tiltrotator and the requirements of your attachment to ensure a proper match.

Counterweight 3700 kg (8,200 lb)

Boom Type HD Reach

Stick Length HD R2.5 (8'2") HD R2.9 (9'6")

Hydraulic Hammers	H115 S	✓	✓
	H120 GC S	✓*	
	H120 S	✓*	
Compactors (Vibratory Plate)	CVP75	✓	✓
	CVP110	✓	✓

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

TRS18 (PIN-ON TOP/HCS70 BOTTOM) ATTACHMENTS

Some attachments require more hydraulic flow and are best suited with a machine that has HP2 circuits and a tiltrotator with a high flow swivel. Check the hydraulic capability of your machine and tiltrotator and the requirements of your attachment to ensure a proper match.

Counterweight 3700 kg (8,200 lb)

Boom Type HD Reach

Stick Length HD R2.5 (8'2") HD R2.9 (9'6")

Hydraulic Hammers	H115 S	✓	✓
	H120 S	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓
	CVP110	✓	✓

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

(continued on next page)

320 Hydraulic Excavator Specifications

Attachments Offering Guide – Chile, Colombia (continued)

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

Match

* Working range front only

No Match

TRS18 (HCS70 TOP/HCS70 BOTTOM) ATTACHMENTS

Some attachments require more hydraulic flow and are best suited with a machine that has HP2 circuits and a tiltrotator with a high flow swivel. Check the hydraulic capability of your machine and tiltrotator and the requirements of your attachment to ensure a proper match.

Counterweight 3700 kg (8,200 lb)

Boom Type HD Reach

Stick Length HD R2.5 (8'2") HD R2.9 (9'6")

Hydraulic Hammers	H115 S	✓	✓
	H120 S		
Compactors (Vibratory Plate)	CVP75	✓	✓
	CVP110	✓	✓

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

TRS18 (PIN-ON TOP/HCS70/55 BOTTOM) ATTACHMENTS

Some attachments require more hydraulic flow and are best suited with a machine that has HP2 circuits and a tiltrotator with a high flow swivel. Check the hydraulic capability of your machine and tiltrotator and the requirements of your attachment to ensure a proper match.

Counterweight 3700 kg (8,200 lb)

Boom Type HD Reach

Stick Length HD R2.5 (8'2") HD R2.9 (9'6")

Hydraulic Hammers	H115 S	✓	✓
	H120 S	✓	✓*
Compactors (Vibratory Plate)	CVP75	✓	✓
	CVP110	✓	✓

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

TRS18 (HCS70/55 TOP/HCS70/55 BOTTOM) ATTACHMENTS

Some attachments require more hydraulic flow and are best suited with a machine that has HP2 circuits and a tiltrotator with a high flow swivel. Check the hydraulic capability of your machine and tiltrotator and the requirements of your attachment to ensure a proper match.

Counterweight 3700 kg (8,200 lb)

Boom Type HD Reach

Stick Length HD R2.5 (8'2") HD R2.9 (9'6")

Hydraulic Hammers	H115 S	✓	✓*
	H120 S		
Compactors (Vibratory Plate)	CVP75	✓	✓
	CVP110	✓	✓*

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

BOOM-MOUNT ATTACHMENTS

Counterweight 3700 kg (8,200 lb)

Boom Type HD Reach

Mobile Scrap and Demolition Shears	S2050	✓
	S3035 Flat Top	✓

320 Hydraulic Excavator Specifications

Attachments Offering Guide – Turkey

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

Match

PIN-ON ATTACHMENTS

Counterweight		4200 kg (9,300 lb)	
Boom Type		HD Reach	
Stick Length		HD R2.5 (8'2")	HD R2.9 (9'6")
Hydraulic Hammers	H115 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	✓	✓
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)

320 Hydraulic Excavator Specifications

Attachments Offering Guide – Turkey (continued)

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

1800 kg/m³ (3000 lb/yd³)
 1200 kg/m³ (2000 lb/yd³)
 600 kg/m³ (1000 lb/yd³)
 No Match

PIN-ON ATTACHMENTS (continued)

Counterweight	Boom Type	Stick Length	4200 kg (9,300 lb)		
			HD Reach		
			HD R2.5 (8'2")	HD R2.9 (9'6")	
Orange Peel Grapples		GSH420-500	●	●	
		GSH420-600	●	●	
		GSH420-750	●	●	
		GSH425-750	●	○	
		GSH425-950	○	○	
		GSH520-500	●	●	
		GSH520-600	●	●	
		GSH520-750	●	○	
		GSH525-750	○		
		GSV420-400	●	●	
		GSV420-500	●	●	
		GSV420-600	●	●	
		GSV420-750	●	●	
		GSV420-1250	◇	◇	
		GSV425-600	●	●	
		GSV425-750	●	○	
		GSV425-950	○	○	
		GSV425-1550	◇	◇	
		GSV520 GC-400	●	●	
		GSV520 GC-500	●	●	
		GSV520 GC-600	●	●	
		GSV520 GC-750	●	●	
		GSV520 GC-1250	◇	◇	
		GSV520-400	●	●	
		GSV520-500	●	●	
		GSV520-600	●	●	
		GSV520-750	●	●	
		GSV520-1250	◇	◇	
		GSV525-600	●	○	
		GSV525-750	○	○	
		GSV525-1550	◇		
	Clamshell Grapples		CTV15-1000	○	○
			CTV15-1200	○	

(continued on next page)

320 Hydraulic Excavator Specifications

Attachments Offering Guide – Turkey (continued)

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

Match

* Working range front only

No Match

CAT PIN GRABBER COUPLER ATTACHMENTS

Counterweight		4200 kg (9,300 lb)	
Boom Type		HD Reach	
Stick Length		HD R2.5 (8'2")	HD R2.9 (9'6")
Hydraulic Hammers	H115 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	✓	✓*
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	✓	✓

CW-40s DEDICATED COUPLER ATTACHMENTS

Counterweight		4200 kg (9,300 lb)	
Boom Type		HD Reach	
Stick Length		HD R2.5 (8'2")	HD R2.9 (9'6")
Hydraulic Hammers	H115 S	✓	✓
	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)

320 Hydraulic Excavator Specifications

Attachments Offering Guide – Turkey (continued)

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

Match

No Match

CW-40 DEDICATED COUPLER ATTACHMENTS

Counterweight		4200 kg (9,300 lb)	
Boom Type		HD Reach	
Stick Length		HD R2.5 (8'2")	HD R2.9 (9'6")
Hydraulic Hammers	H115 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	✓	✓
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	✓	✓

(continued on next page)

BOOM-MOUNT ATTACHMENTS

Counterweight		4200 kg (9,300 lb)	
Boom Type		Reach HD	
Mobile Scrap and Demolition Shears	S2050	✓	
	S3035 Flat Top	✓	

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
ENGINE			UNDERCARRIAGE AND STRUCTURES		
Cat® C4.4 twin turbo diesel engine	✓		600 mm (24") triple grouser track shoes		✓ ²
Three selectable power modes: Power, Smart, Eco	✓		700 mm (28") triple grouser track shoes		✓ ³
Auto engine speed control	✓		790 mm (31") triple grouser track shoes		✓ ³
Auto engine idle shutdown	✓		Tie-down points on base frame	✓	
Work up to 3000 m (9,840 ft) above sea level without engine power de-rating	✓		Two-piece segmented track guiding guards	✓	
52° C (125° F) high-ambient cooling capacity	✓		Full-length track guiding guards		✓
-32° C (-25° F) cold start capability	✓		Bottom guards	✓	
Double element air filter with integrated pre-cleaner	✓		HD bottom guards		✓
Electric fuel priming pump	✓		Swivel guard	✓	
Electric cooling fans with auto-reverse function	✓		Travel motor guards	✓	
			HD travel motor guards		✓
HYDRAULIC SYSTEM			Grease lubricated track links	✓	
Boom and stick regeneration circuits	✓		3700 kg (8,160 lb) counterweight	✓ ³	
Electronic main control valve	✓		4200 kg (9,300 lb) counterweight	✓ ⁴	
Auto warm up	✓		4700 kg (10,400 lb) counterweight		✓ ⁴
Auto Dig Boost ¹	✓		BOOM, STICKS AND LINKAGES		
Auto heavy lift ¹	✓		5.7 m (18'8") HD Reach boom	✓	
Auto two-speed travel	✓		8.85 m (29'0") Super Long Reach boom		✓ ⁴
Boom and stick drift reduction valve	✓		2.5 m (8'2") HD Reach stick		✓
Element type main hydraulic filter	✓		2.9 m (9'6") HD Reach stick		✓
Slider joysticks	✓		6.28 m (20'7") Super Long Reach stick		✓ ⁴
Tandem type electronic main pump	✓		Bucket linkage, B1-family without lifting eye	✓	
Hydraulic efficiency monitoring		✓	Bucket linkage, with lifting eye		✓ ³
Quick coupler circuit for Cat pin grabber		✓	Bucket linkage, without lifting eye		✓ ⁴
			ELECTRICAL SYSTEM		
			1,000 CCA maintenance-free batteries (×2)	✓	
			Centralized electrical disconnect switch	✓	
			Programmable time-delay LED working lights	✓	
			LED chassis light, Left Hand (LH) and Right Hand (RH) boom lights for Reach and SLR, cab lights	✓	
			Premium surround lighting package		✓

(continued on next page)

¹Not available for Super Long Reach.

²Optional Chile and Colombia

³Chile and Colombia only

⁴Turkey only

320 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
CAT TECHNOLOGY			SERVICE AND MAINTENANCE		
VisionLink®	✓ ⁵		Scheduled Oil Sampling (S·O·S SM) ports	✓	
VisionLink Productivity		✓	QuickEvac™ maintenance ready		✓
Remote Flash	✓		Grouped location for engine oil and fuel filters	✓	
Remote Troubleshoot	✓		Ground-level second dipstick for engine oil	✓	
Compatibility with radios and base stations from Trimble, Topcon, and Leica	✓		Lockable disconnect switch	✓	
Capability to install 3D grade systems from Trimble, Topcon, and Leica	✓		Radiator screen		✓
Cat Grade 2D	✓ ⁶		Integrated vehicle health management system	✓	
Cat Grade 2D with Attachment Ready Option (ARO)		✓	SAFETY AND SECURITY		
Cat Grade 3D single GNNS		✓	Cat Command (remote control)		✓
Cat Grade 3D dual GNNS		✓	2D E-Fence:	✓ ⁶	
Laser catcher		✓ ³	– E-ceiling		
Cat Assist:	✓ ⁶		– E-floor		
– Grade Assist			– E-swing		
– Boom Assist			– E-wall		
– Bucket Assist			– E-cab avoidance		
– Swing Assist			Rearview and right-side-view cameras		✓ ³
– Lift Assist			Cab mirror for right-hand-side track edge		✓ ⁸
Cat Payload:	✓ ⁶		360° visibility		✓
– Static weigh			Neutral lever (lock out) for all controls	✓	
– Semiautomatic calibration			Anti-skid plate and countersunk bolts on service platform	✓	
– Payload/cycle information			Lockable disconnect switch	✓	
– USB reporting capability			Swing alarm		✓
Auto hammer stop	✓		RH handrail and handhold	✓	
Work tool recognition (PL161)	✓ ⁷		Travel alarm		✓ ⁹
Work tool tracking (PL161)	✓ ⁷		Cab mirror for RH side		✓ ⁸
Cat Tilt Rotator (TRS) Integration		✓	Inspection lighting		✓ ³
Operator Coaching		✓			

³Chile and Colombia only

⁵Connect subscription only. Additional subscriptions are available. Contact your Cat dealer for availability.

⁶Optional for Super Long Reach.

⁷Requires PL161 attachment locator on work tool and Bluetooth® receiver on machine.

⁸Mandatory in Turkey.

⁹Mandatory in Chile and 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 (Comfort cab only)
- Sun visor, slider (Comfort cab only)
- Laminated P5A glass front windshield
- LH/RH electrical pedal for tool control
- Armrest kit
- Seat with 4-point seatbelt capability
- Dual exit rear window kit
- 75 mm (3") retractable seat belt
- Auxiliary relay

ELECTRICAL

- Premium surround working lights

GUARDS

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

MAINTENANCE

- Jump start wiring
- Duct ready kit

SAFETY AND SECURITY

- Cat Detect – People Detection
- Cat Command – Remote control kit
- Seat belt indicator
- Bluetooth receiver
- Bluetooth key fob

OTHER ATTACHMENTS

- Delayed engine shutdown kit
- Upper cover for antennae
- Removable mast for antennae
- Power clam kit
- Grease gun holder

320 Cab Options

Cab Options

	Comfort*	Deluxe
ROPS	●	●
High-resolution 203 mm (8") LCD touchscreen monitor	●	X
High-resolution 254 mm (10") LCD touchscreen monitor	○	●
Auto bi-level air conditioner	●	●
Jog dial and shortcut keys for monitor control	●	●
Keyless push-to-start engine control	●	●
Height-adjustable console	X	●
Height-adjustable console, three steps with tool	●	X
Tilt-up left-side console	X	●
Fixed left-side console	●	X
Mechanical-suspension seat	●	X
Heated air-suspension seat	X	●
51 mm (2") seat belt	●	●
Monitor integrated Bluetooth radio with USB/Auxiliary ports	●	●
12V DC outlets	●	●
Document storage	●	●
Overhead storage and rear storage with nets	X	●
Beverage holder	●	●
Cup holder	●	●
Openable two-piece front window	●	●
Rear window emergency exit	●	●
Radial wiper with washer	●	●
Openable polycarbonate skylight hatch	X	●
Openable steel hatch	●	X
LED dome light	●	●
Roof sunscreen	X	●
Roller front sunscreen	●	●
Roller rear sunscreen	○	○
Washable floor mat	●	●
Beacon ready	●	●

● Standard

○ Optional

X Not available

* Chile and Colombia only

The following information applies to the machine at the time of final manufacture as configured for sale in the regions covered in this document. The content of this declaration is valid as of the date issued; however, content related to machine features and specifications are subject to change without notice. For additional information, please see the machine's Operation and Maintenance Manual.

For more information on sustainability in action and our progress, please visit <https://www.caterpillar.com/en/company/sustainability>.

Engine

- The Cat® C4.4 engine meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels** up to:
 - ✓ 20% biodiesel FAME (fatty acid methyl ester)*
 - ✓ 100% renewable diesel, HVO (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details.

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

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

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.85 kg (1.9 lb) of refrigerant which has a 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) – 70 dB(A)

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

Oils and Fluids

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio HYDO™ Advanced is an EU Ecolabel approved biodegradable hydraulic oil.
- Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
 - Advanced hydraulic systems balance power and efficiency
 - Smart mode matches machine power to digging requirements automatically
 - Eco mode minimizes fuel consumption for light applications
 - Increase operating efficiency up to 45% with standard Cat technologies
 - Cut maintenance costs with extended service intervals
 - 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	82.98%
Iron	5.36%
Nonferrous Metal	2.57%
Mixed Metal	1.57%
Mixed-Metal & Nonmetal	1.02%
Plastic	1.29%
Rubber	0.19%
Mixed Nonmetallic	0.22%
Fluid	3.18%
Other	1.62%
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%

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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AEXQ3519-02 (05-2024)
Replaces AEXQ3519-01
Build Number: 07G
(Chile, Colombia, Turkey)

