

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

- Meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.
- Engine speed at 1,800 rpm.

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

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

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

**For use of blends higher than 20% biodiesel, consult your Cat dealer.*

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

Swing Mechanism

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

Weights

Operating Weight	21 800 kg	48,100 lb

- Heavy Duty (HD) Reach boom, HD R2.9 (9'6") stick, Heavy Duty Spade (HDS) 1.40 m^3 (1.83 yd^3) bucket, 700 mm (28") triple grouser shoes, and 3.7 mt (8,200 lb) counterweight.

Track

Standard Track Shoes Width	700 mm	28 in
Optional Track Shoes Width	600 mm	24 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	91.1 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)	4 L	1.1 gal
Hydraulic System (including tank)	234 L	61.8 gal
Hydraulic Tank	115 L	30.4 gal

Standards

Brakes	ISO 10265:2008
Cab/Rollover Protective Structure (ROPS)	ISO 12117-2:2008
Cab/ Operator Protective Guards (OPG) (optional)	ISO 10262:1998 Level II

Sound Performance

ISO 6395:2008 (external)	100 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") Double Grouser Shoes		600 mm (24") Triple Grouser Shoes		700 mm (28") Triple Grouser Shoes		790 mm (31") Triple Grouser Shoes	
	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure
Base Machine Configurations	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
Base Frame with HD Track Rollers and Standard Carrier Rollers								
3.7 mt (8,200 lb) Counterweight + Long Undercarriage Base Machine								
HD Reach Boom + HD R2.9 (9'6") Stick + 1.40 m^3 (1.83 yd^3) HDS Bucket	21 800 (48,100)	45.3 (6.6)	21 400 (47,200)	44.5 (6.5)	21 700 (47,800)	38.7 (5.6)	22 100 (48,700)	34.9 (5.1)

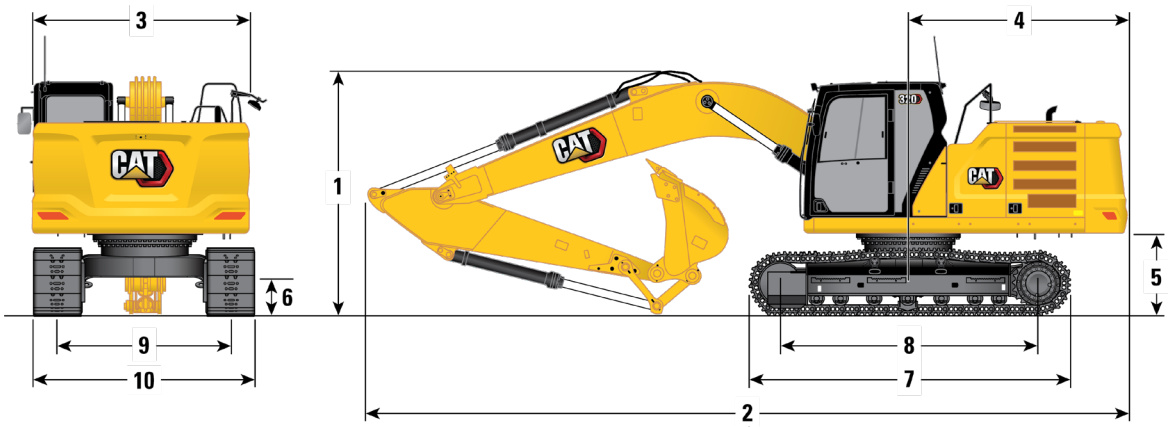
All operating weights include a 90% fuel tank with 75 kg (165 lb) operator.

Major Component Weights

	kg	lb
Base Machine (with 3.7 mt [8,200 lb] counterweight, standard swing frame, standard base frame with HD track rollers and standard carrier rollers for long undercarriage, without boom cylinders – does not include 90% fuel and 75 kg [165 lb] operator)	14 010	30,900
Base Machine (with 4.7 mt [10,400 lb] counterweight, semi-HD swing frame, standard base frame with HD track rollers and standard carrier rollers for long undercarriage, without boom cylinders – does not include 90% fuel and 75 kg [165 lb] operator)	15 040	33,100
Base Machine (with 3.7 mt [8,200 lb] counterweight, standard swing frame, SD base frame with SD track rollers and SD carrier rollers for long undercarriage, without boom cylinders – does not include 90% fuel and 75 kg [165 lb] operator)	14 200	31,300
Track Shoes:		
600 mm (24") Width, 13 mm (0.51") Thick Double Grouser Track Shoes	3080	6,800
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	700
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	310	700
Counterweights:		
3.7 mt (8,200 lb) Counterweight	3700	8,200
4.7 mt (10,400 lb) Counterweight (Super Long Reach [SLR] only)	4700	10,400
Swing Frame:		
Standard Swing Frame	1890	4,170
Semi-HD Swing Frame	1910	4,210
Undercarriages:		
Standard Base Frame with HD Track Rollers and Standard Carrier Rollers	4390	9,680
SD Base Frame with SD Track Rollers and SD Carrier Rollers	4630	10,200
Booms (including lines, pins, stick cylinder):		
HD Reach Boom 5.7 m (18'8")	1900	4200
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")	1100	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)	800	1,800
1.19 m^3 (1.56 yd^3) Heavy Duty (HD)	940	2,100
1.20 m^3 (1.57 yd^3) HD	940	2,100
1.40 m^3 (1.83 yd^3) HD	1010	2,230
1.40 m^3 (1.83 yd^3) HDS	1030	2,300
0.57 m^3 (0.75 yd^3) Ditch Cleaning (DC)	390	900
0.53 m^3 (0.69 yd^3) GD	410	900

Dimensions

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

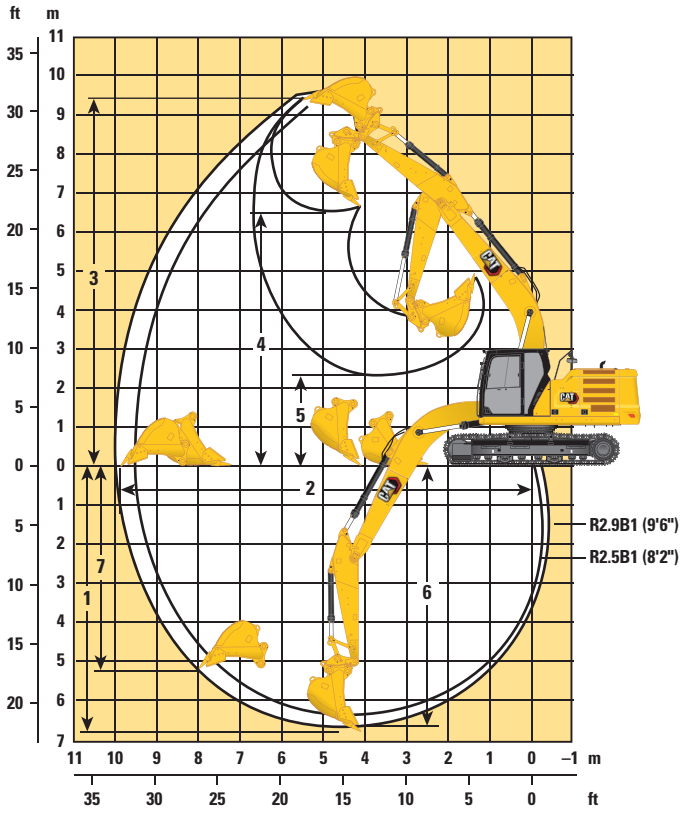


Boom Options	HD Reach Boom 5.7 m (18'8")				SLR Boom 8.85 m (29'0")	
Stick Options	HD Reach Sticks R2.5B1 (8'2")		R2.9B1 (9'6")		SLR Stick 6.28A (20'7")	
1 Machine Height:						
Top of Cab Height	2960 mm	9'9"	2960 mm	9'9"	2960 mm	9'9"
Top of GNSS Antenna Height (if installed)	3000 mm	9'10"	3000 mm	9'10"	3000 mm	9'10"
Top of OPG Height	3100 mm	10'2"	3100 mm	10'2"	3100 mm	10'2"
Handrail Height	2950 mm	9'8"	2950 mm	9'8"	2950 mm	9'8"
With Boom/Stick/Bucket Installed	3080 mm	10'1"	3160 mm	10'4"	3190 mm	10'6"
With Boom/Stick Installed	2910 mm	9'7"	2910 mm	9'7"	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	41'9"
With Boom/Stick Installed	9500 mm	31'2"	9500 mm	31'2"	12 760 mm	41'9"
With Boom Installed	8450 mm	27'9"	8450 mm	27'9"	8920 mm	29'3"
3 Upper Frame 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") Shoes	3080 mm	10'1"	3080 mm	10'1"	3080 mm	10'1"
790 mm (31") Shoes	3170 mm	10'5"	3170 mm	10'5"	3170 mm	10'5"
Bucket Type	HD		HD		Ditch Cleaning	
Bucket Capacity	1.19 m^3	1.56 yd^3	1.19 m^3	1.56 yd^3	0.57 m^3	0.75 yd^3
Bucket Tip Radius	1580 mm	5'2"	1580 mm	5'2"	1073 mm	3'6"

320 Hydraulic Excavator Specifications

Working Ranges

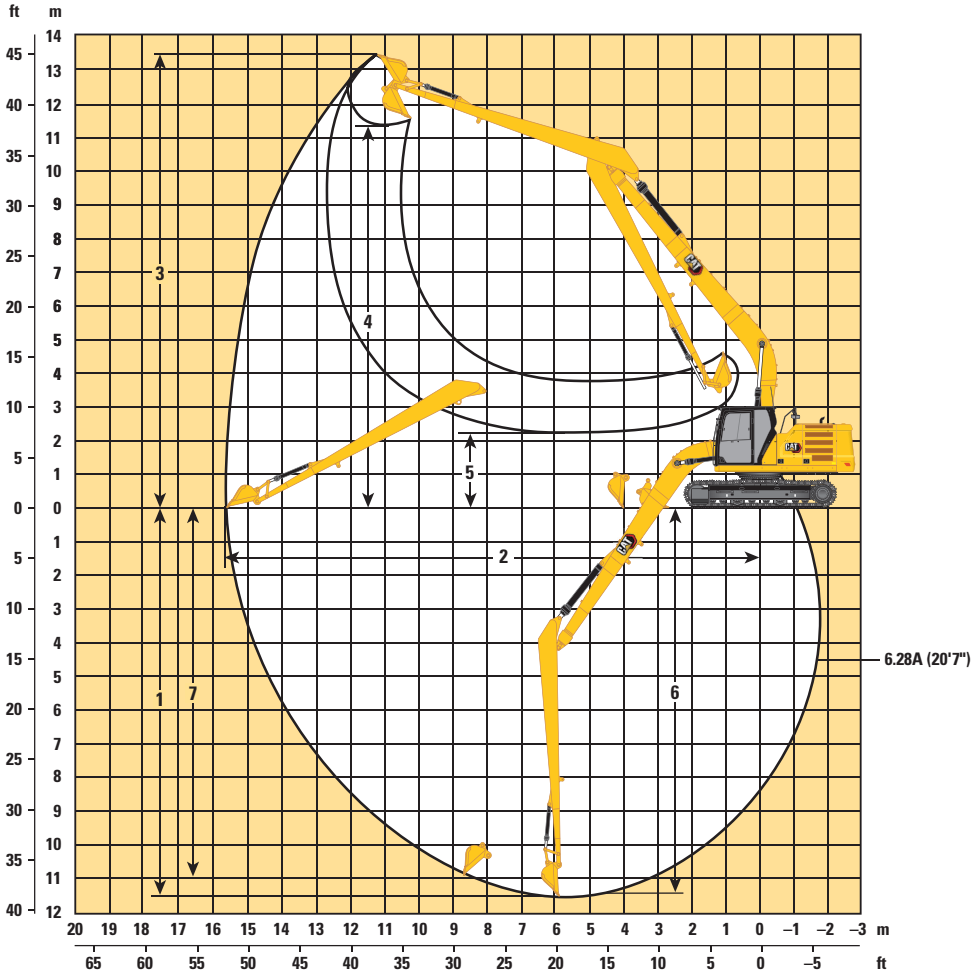
All dimensions are approximate and may vary depending on bucket selection.



Boom Option	HD Reach Boom 5.7 m (18'8")			
Stick Options	HD Reach Sticks			
	R2.5B1 (8'2")		R2.9B1 (9'6")	
1 Maximum Digging Depth	6300 mm	20'7"	6720 mm	22'1"
2 Maximum Reach at Ground Line	9470 mm	31'1"	9860 mm	32'4"
3 Maximum Cutting Height	9170 mm	30'1"	9370 mm	30'9"
4 Maximum Loading Height	6290 mm	20'8"	6490 mm	21'4"
5 Minimum Loading Height	2590 mm	8'6"	2170 mm	7'1"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6110 mm	20'1"	6550 mm	21'6"
7 Maximum Vertical Wall Digging Depth	4800 mm	15'9"	5190 mm	17'0"
Bucket Digging Force (ISO)	150 kN	33,811 lbf	150 kN	33,811 lbf
Stick Digging Force (ISO)	118 kN	26,491 lbf	106 kN	23,911 lbf
Bucket Digging Force (ISO) – Auto Dig Boost	163 kN	36,709 lbf	163 kN	36,709 lbf
Stick Digging Force (ISO) – Auto Dig Boost	128 kN	28,762 lbf	115 kN	25,960 lbf
Bucket Type	HD		HD	
Bucket Capacity	1.19 m^3	1.56 yd^3	1.19 m^3	1.56 yd^3
Bucket Tip Radius	1570 mm	5'2"	1570 mm	5'2"

Working Ranges *(continued)*

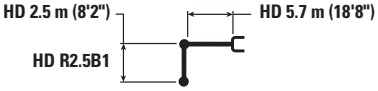
All dimensions are approximate and may vary depending on bucket selection.

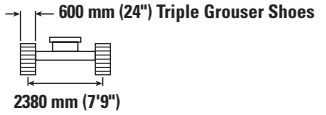


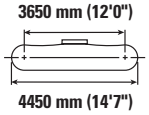
Boom Option	SLR Boom 8.85 m (29'0")		SLR Boom 8.85 m (29'0")	
Stick Option	**SLR Stick 6.28A (20'7")**		**SLR Stick 6.28A (20'7")**	
1 Maximum Digging Depth	11 690 mm	38'4"	11 540 mm	37'10"
2 Maximum Reach at Ground Line	15 730 mm	51'7"	15 570 mm	51'1"
3 Maximum Cutting Height	13 610 mm	44'8"	13 540 mm	44'5"
4 Maximum Loading Height	11 290 mm	37'0"	11 440 mm	37'6"
5 Minimum Loading Height	2080 mm	6'9"	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		Ditch Cleaning	
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"

320 Hydraulic Excavator Specifications

HD Reach Boom Lift Capacities – Counterweight: 3.7 mt (8,200 lb) – without Bucket – Heavy Lift: On

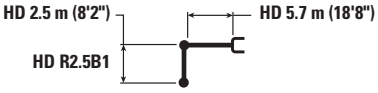


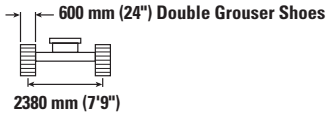


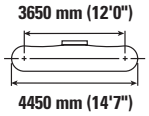


		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
												mm in
7500 mm 300 in	kg lb									*5100 *11,350	*5100 *11,350	5600 220
6000 mm 240 in	kg lb					*5800 *12,700	5050 10,800			*4700 *10,350	4050 9,000	6830 270
4500 mm 180 in	kg lb			*7300 *15,700	*7300 *15,700	*6250 *13,600	4900 10,500	*5150	3400	*4600 *10,100	3350 7,400	7570 300
3000 mm 120 in	kg lb			*9150 *19,700	7050 15,200	*7050 *15,300	4650 9,950	5250 11,200	3300 7,100	*4700 *10,350	3000 6,600	7960 320
1500 mm 60 in	kg lb			*10 800 *23,300	6550 14,100	7150 15,350	4400 9,450	5100 11,000	3200 6,900	4600 10,100	2900 6,350	8050 320
0 mm 0 in	kg lb			11 000 23,600	6300 13,600	6950 15,000	4250 9,100	5050 10,800	3150 6,750	4700 10,350	2950 6,450	7860 310
–1500 mm –60 in	kg lb	*12 250 *27,900	12 200 26,100	10 950 23,500	6300 13,500	6900 14,850	4200 9,000			5150 11,400	3200 7,050	7350 290
–3000 mm –120 in	kg lb	*14 250 *30,900	12 450 26,600	*10 350 *22,350	6400 13,700	7000 15,050	4250 9,200			6300 14,000	3900 8,600	6470 260
–4500 mm –180 in	kg lb			*7700 *16,150	6650 14,400					*6650 *14,600	5800 13,150	4980 200

HD Reach Boom Lift Capacities – Counterweight: 3.7 mt (8,200 lb) – without Bucket – Heavy Lift: On







		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
												mm in
7500 mm 300 in	kg lb									*5100 *11,350	*5100 *11,350	5600 220
6000 mm 240 in	kg lb					*5800 *12,700	5100 10,900			*4700 *10,350	4050 9,100	6830 270
4500 mm 180 in	kg lb			*7300 *15,700	*7300 *15,700	*6250 *13,600	4950 10,600	*5150	3450	*4600 *10,100	3400 7,500	7570 300
3000 mm 120 in	kg lb			*9150 *19,700	7150 15,350	*7050 *15,300	4700 10,100	5300 11,350	3350 7,200	*4700 *10,350	3050 6,700	7960 320
1500 mm 60 in	kg lb			*10 800 *23,300	6650 14,300	7250 15,550	4450 9,550	5150 11,100	3250 6,950	4650 10,250	2900 6,400	8050 320
0 mm 0 in	kg lb			11 150 23,900	6400 13,750	7050 15,150	4300 9,250	5100 10,950	3150 6,800	4750 10,500	3000 6,550	7860 310
–1500 mm –60 in	kg lb	*12 250 *27,900	*12 250 26,400	11 100 23,750	6350 13,650	7000 15,050	4250 9,100			5250 11,550	3250 7,150	7350 290
–3000 mm –120 in	kg lb	*14 250 *30,900	12 550 26,900	*10 350 *22,350	6450 13,900	7100 15,250	4300 9,300			6400 14,150	3950 8,700	6470 260
–4500 mm –180 in	kg lb			*7700 *16,150	6750 14,550					*6650 *14,600	5850 13,300	4980 200

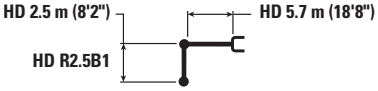
* ISO 10567:2007

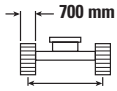
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

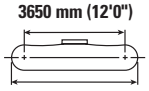
Lift capacity stays with ±5% for all available track shoes.

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

HD Reach Boom Lift Capacities – Counterweight: 3.7 mt (8,200 lb) – without Bucket – Heavy Lift: On

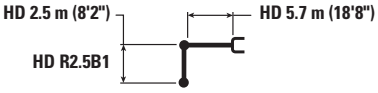


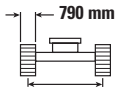


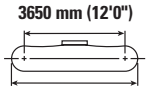


		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
												mm in
7500 mm 300 in	kg lb									*5100 *11,350	*5100 *11,350	5600 220
6000 mm 240 in	kg lb					*5800 *12,700	5100 10,900			*4700 *10,350	4050 9,100	6830 270
4500 mm 180 in	kg lb			*7300 *15,700	*7300 *15,700	*6250 *13,600	4900 10,600	*5150	3450	*4600 *10,100	3400 7,450	7570 300
3000 mm 120 in	kg lb			*9150 *19,700	7100 15,350	*7050 *15,300	4700 10,050	5300 11,350	3350 7,150	*4700 *10,350	3050 6,700	7960 320
1500 mm 60 in	kg lb			*10 800 *23,300	6600 14,250	7200 15,500	4450 9,550	5150 11,100	3250 6,950	4650 10,200	2900 6,400	8050 320
0 mm 0 in	kg lb			11 100 23,850	6400 13,750	7050 15,150	4300 9,200	5100 10,950	3150 6,800	4750 10,450	2950 6,550	7860 310
–1500 mm –60 in	kg lb	*12 250 *27,900	*12 250 26,350	11 100 23,750	6350 13,650	7000 15,000	4250 9,100			5250 11,500	3250 7,150	7350 290
–3000 mm –120 in	kg lb	*14 250 *30,900	12 550 26,850	*10 350 *22,350	6450 13,850	7050 15,200	4300 9,300			6350 14,150	3950 8,700	6470 260
–4500 mm –180 in	kg lb			*7700 *16,150	6750 14,550					*6650 *14,600	5850 13,300	4980 200

HD Reach Boom Lift Capacities – Counterweight: 3.7 mt (8,200 lb) – without Bucket – Heavy Lift: On







		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
												mm in
7500 mm 300 in	kg lb									*5100 *11,350	*5100 *11,350	5600 220
6000 mm 240 in	kg lb					*5800 *12,700	5150 11,000			*4700 *10,350	*4100 9,200	6830 270
4500 mm 180 in	kg lb			*7300 *15,700	*7300 *15,700	*6250 *13,600	5000 10,700	*5150	3500	*4600 *10,100	3400 7,550	7570 300
3000 mm 120 in	kg lb			*9150 *19,700	7200 15,550	*7050 *15,300	4750 10,200	5350 11,500	3400 7,300	*4700 *10,350	3100 6,800	7960 320
1500 mm 60 in	kg lb			*10 800 *23,300	6700 14,450	7300 15,750	4500 9,700	5250 11,250	3300 7,050	4700 10,350	2950 6,500	8050 320
0 mm 0 in	kg lb			11 300 24,200	6500 13,950	7150 15,350	4350 9,350	5150 11,100	3200 6,900	4850 10,650	3000 6,650	7860 310
–1500 mm –60 in	kg lb	*12 250 *27,900	*12 250 26,750	11 250 24,050	6450 13,850	7100 15,250	4300 9,250			5300 11,700	3300 7,250	7350 290
–3000 mm –120 in	kg lb	*14 250 *30,900	12 700 27,250	*10 350 *22,350	6550 14,050	7150 15,450	4350 9,400			6450 14,350	4000 8,850	6470 260
–4500 mm –180 in	kg lb			*7700 *16,150	6850 14,750					*6650 *14,600	5950 13,450	4980 200

* ISO 10567:2007

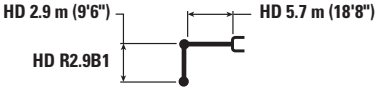
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

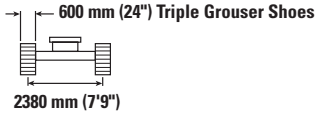
Lift capacity stays with ±5% for all available track shoes.

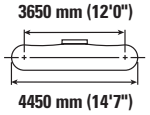
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

320 Hydraulic Excavator Specifications

HD Reach Boom Lift Capacities – Counterweight: 3.7 mt (8,200 lb) – without Bucket – Heavy Lift: On

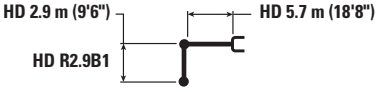


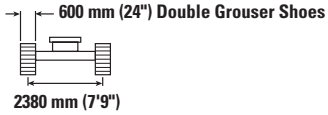


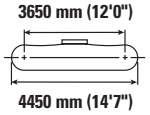


		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm in
7500 mm 300 in	kg lb							*4850	*4850			*4200 *9,350	*4200 *9,350	6150 240
6000 mm 240 in	kg lb							*5300 *11,650	5100 10,900			*3900 *8,600	3650 8,100	7290 290
4500 mm 180 in	kg lb							*5850 *12,700	4900 10,600	5350 11,500	3400 7,300	*3800 *8,400	3050 6,750	7990 320
3000 mm 120 in	kg lb					*8550 *18,350	7150 15,450	*6700 *14,500	4650 10,050	5250 11,250	3300 7,100	*3900 *8,600	2800 6,100	8360 330
1500 mm 60 in	kg lb					*10 350 *22,300	6600 14,250	7150 15,400	4400 9,450	5100 10,950	3200 6,850	*4150 *9,100	2650 5,850	8450 340
0 mm 0 in	kg lb			*6700 *15,400	*6700 *15,400	11 000 23,600	6300 13,550	6950 14,950	4200 9,050	5000 10,750	3100 6,650	4350 9,550	2700 5,950	8260 330
–1500 mm –60 in	kg lb	*7200 *16,050	*7200 *16,050	*11 650 *26,400	*11 650 25,700	10 900 23,350	6200 13,350	6850 14,750	4150 8,900	4950 10,650	3050 6,600	4700 10,400	2900 6,450	7780 310
–3000 mm –120 in	kg lb	*12 350 *27,700	*12 350 *27,700	*15 150 *32,850	12 200 26,150	*10 700 *23,100	6250 13,500	6900 14,850	4150 8,950			5600 12,400	3450 7,650	6950 280
–4500 mm –180 in	kg lb			*12 050 *25,850	*12 050 *25,850	*8700 *18,450	6500 14,000					*6550 *14,350	4800 10,800	5600 220

HD Reach Boom Lift Capacities – Counterweight: 3.7 mt (8,200 lb) – without Bucket – Heavy Lift: On







		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm in
7500 mm 300 in	kg lb							*4850	*4850			*4200 *9,350	*4200 *9,350	6150 240
6000 mm 240 in	kg lb							*5300 *11,650	5150 11,050			*3900 *8,600	3700 8,200	7290 290
4500 mm 180 in	kg lb							*5850 *12,700	4950 10,700	5400 11,600	3450 7,400	*3800 *8,400	3100 6,850	7990 320
3000 mm 120 in	kg lb					*8550 *18,350	7250 15,600	*6700 *14,500	4700 10,150	5300 11,400	3350 7,200	*3900 *8,600	2800 6,200	8360 330
1500 mm 60 in	kg lb					*10 350 *22,300	6700 14,400	7250 15,550	4450 9,600	5150 11,100	3250 6,950	*4150 *9,100	2700 5,950	8450 340
0 mm 0 in	kg lb			*6700 *15,400	*6700 *15,400	11 150 23,850	6400 13,700	7050 15,100	4250 9,200	5050 10,850	3150 6,750	4400 9,700	2750 6,000	8260 330
–1500 mm –60 in	kg lb	*7200 *16,050	*7200 *16,050	*11 650 *26,400	*11 650 26,000	11 000 23,600	6300 13,500	6950 14,900	4200 9,000	5000 10,800	3100 6,650	4800 10,550	2950 6,500	7780 310
–3000 mm –120 in	kg lb	*12 350 *27,700	*12 350 *27,700	*15 150 *32,850	12 350 26,450	*10 700 *23,100	6350 13,650	7000 15,000	4200 9,100			5650 12,550	3500 7,750	6950 280
–4500 mm –180 in	kg lb			*12 050 *25,850	*12 050 *25,850	*8700 *18,450	6550 14,150					*6550 *14,350	4850 10,950	5600 220

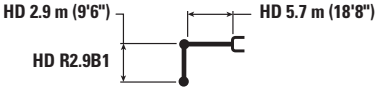
* ISO 10567:2007

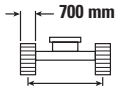
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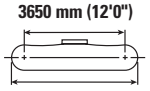
Lift capacity stays with ±5% for all available track shoes.

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

HD Reach Boom Lift Capacities – Counterweight: 3.7 mt (8,200 lb) – without Bucket – Heavy Lift: On

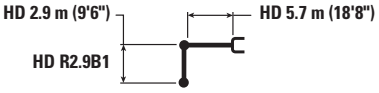


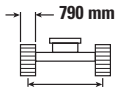


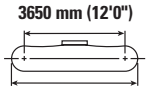


		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm in
7500 mm 300 in	kg lb							*4850	*4850			*4200 *9,350	*4200 *9,350	6150 240
6000 mm 240 in	kg lb							*5300 *11,650	5150 11,000			*3900 *8,600	3650 8,200	7290 290
4500 mm 180 in	kg lb							*5850 *12,700	4950 10,700	5400 11,600	3450 7,400	*3800 *8,400	3100 6,850	7990 320
3000 mm 120 in	kg lb					*8550 *18,350	7250 15,600	*6700 *14,500	4700 10,150	5300 11,350	3350 7,200	*3900 *8,600	2800 6,200	8360 330
1500 mm 60 in	kg lb					*10 350 *22,300	6700 14,400	7250 15,550	4450 9,550	5150 11,050	3200 6,900	*4150 *9,100	2700 5,900	8450 340
0 mm 0 in	kg lb			*6700 *15,400	*6700 *15,400	11 100 23,850	6350 13,700	7000 15,100	4250 9,150	5050 10,850	3150 6,700	4400 9,650	2750 6,000	8260 330
–1500 mm –60 in	kg lb	*7200 *16,050	*7200 *16,050	*11 650 *26,400	*11 650 26,000	11 000 23,600	6300 13,500	6950 14,900	4200 9,000	5000 10,800	3100 6,650	4750 10,500	2950 6,500	7780 310
–3000 mm –120 in	kg lb	*12 350 *27,700	*12 350 *27,700	*15 150 *32,850	12 350 26,450	*10 700 *23,100	6350 13,650	6950 15,000	4200 9,050			5650 12,550	3500 7,700	6950 280
–4500 mm –180 in	kg lb			*12 050 *25,850	*12 050 *25,850	*8700 *18,450	6550 14,150					*6550 *14,350	4850 10,900	5600 220

HD Reach Boom Lift Capacities – Counterweight: 3.7 mt (8,200 lb) – without Bucket – Heavy Lift: On







		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm in
7500 mm 300 in	kg lb							*4850	*4850			*4200 *9,350	*4200 *9,350	6150 240
6000 mm 240 in	kg lb							*5300 *11,650	5200 11,150			*3900 *8,600	3700 8,300	7290 290
4500 mm 180 in	kg lb							*5850 *12,700	5050 10,800	*5500 11,750	3500 7,500	*3800 *8,400	3150 6,950	7990 320
3000 mm 120 in	kg lb					*8550 *18,350	7300 15,800	*6700 *14,500	4750 10,250	5350 11,500	3400 7,300	*3900 *8,600	2850 6,250	8360 330
1500 mm 60 in	kg lb					*10 350 *22,300	6750 14,600	7350 15,750	4500 9,700	5250 11,250	3250 7,000	*4150 *9,100	2750 6,000	8450 340
0 mm 0 in	kg lb			*6700 *15,400	*6700 *15,400	11 300 24,150	6450 13,900	7150 15,300	4350 9,300	5100 11,000	3200 6,800	4450 9,800	2800 6,100	8260 330
–1500 mm –60 in	kg lb	*7200 *16,050	*7200 *16,050	*11 650 *26,400	11650 26,350	11 150 23,900	6350 13,700	7050 15,100	4250 9,100	5100 10,950	3150 6,750	4850 10,650	3000 6,600	7780 310
–3000 mm –120 in	kg lb	*12 350 *27,700	*12 350 *27,700	*15 150 *32,850	12 500 26,800	*10 700 *23,100	6450 13,850	7050 15,200	4300 9,200			5750 12,750	3550 7,850	6950 280
–4500 mm –180 in	kg lb			*12 050 *25,850	*12 050 *25,850	*8700 *18,450	6650 14,350					*6550 *14,350	4900 11,100	5600 220

* ISO 10567:2007

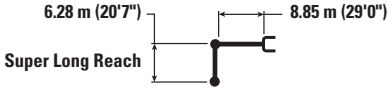
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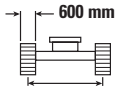
Lift capacity stays with ±5% for all available track shoes.

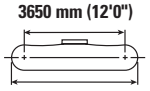
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

320 Hydraulic Excavator Specifications

SLR Boom Lift Capacities – Counterweight: 4.7 mt (10,400 lb) – without Bucket – Heavy Lift: Off







		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm **in**
12 000 mm **480 in**	kg **lb**											*1450 ***3,200**	*1450 ***3,200**	10 350 **400**
10 500 mm **420 in**	kg **lb**											*1350 ***2,950**	*1350 ***2,950**	11 660 **460**
9000 mm **360 in**	kg **lb**											*1300 ***2,850**	*1300 ***2,850**	12 660 **500**
7500 mm **300 in**	kg **lb**											*1250 ***2,800**	*1250 ***2,800**	13 410 **530**
6000 mm **240 in**	kg **lb**											*1250 ***2,750**	*1250 ***2,750**	13 970 **550**
4500 mm **180 in**	kg **lb**											*1300 ***2,800**	1200 **2,650**	14 340 **570**
3000 mm **120 in**	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 **580**
1500 mm **60 in**	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 **580**
0 mm **0 in**	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 **570**
–1500 mm **–60 in**	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 **560**
–3000 mm **–120 in**	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 **550**
–4500 mm **–180 in**	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 **520**
–6000 mm **–240 in**	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 **490**
–7500 mm **–300 in**	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 **440**
–9000 mm **–360 in**	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 **380**

* **ISO 10567:2007**

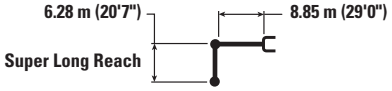
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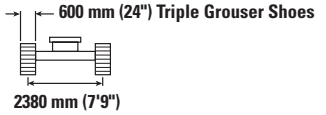
Lift capacity stays with ±5% for all available track shoes.

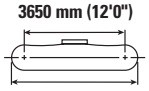
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

(continued on next page)

SLR Boom Lift Capacities – Counterweight: 4.7 mt (10,400 lb) – without Bucket – Heavy Lift: Off *(continued)*







		9000 mm/360 in		10 500 mm/420 in		12 000 mm/480 in		13 500 mm/540 in				
												mm **in**
12 000 mm **480 in**	kg **lb**									*1450 ***3,200**	*1450 ***3,200**	10 350 **400**
10 500 mm **420 in**	kg **lb**			*2200 ***4,850**	*2200 ***4,850**					*1350 ***2,950**	*1350 ***2,950**	11 660 **460**
9000 mm **360 in**	kg **lb**			*2200 ***4,800**	*2200 ***4,800**	*2200 ***4,200**	1950 **4,050**			*1300 ***2,850**	*1300 ***2,850**	12 660 **500**
7500 mm **300 in**	kg **lb**			*2250 ***4,900**	*2250 ***4,900**	*2200 ***4,850**	1900 **4,050**			*1250 ***2,800**	*1250 ***2,800**	13 410 **530**
6000 mm **240 in**	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 **550**
4500 mm **180 in**	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 **570**
3000 mm **120 in**	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 **580**
1500 mm **60 in**	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 **580**
0 mm **0 in**	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 **570**
–1500 mm **–60 in**	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 **560**
–3000 mm **–120 in**	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 **550**
–4500 mm **–180 in**	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 **520**
–6000 mm **–240 in**	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 **490**
–7500 mm **–300 in**	kg **lb**	3600 **7,750**	2100 **4,500**	2950 **6,350**	1700 **3,700**					*2700 ***5,950**	1600 **3,550**	11 240 **440**
–9000 mm **–360 in**	kg **lb**	*3150 ***6,500**	2250 **4,850**							*2700 ***5,900**	2000 **4,550**	9800 **380**

* **ISO 10567:2007**

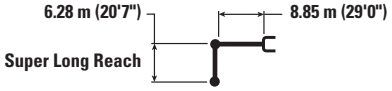
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

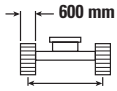
Lift capacity stays with ±5% for all available track shoes.

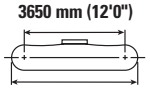
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320 Hydraulic Excavator Specifications

SLR Boom Lift Capacities – Counterweight: 4.7 mt (10,400 lb) – without Bucket – Heavy Lift: Off







		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm **in**
12 000 mm **480 in**	kg **lb**											*1450 ***3,200**	*1450 ***3,200**	10 350 **400**
10 500 mm **420 in**	kg **lb**											*1350 ***2,950**	*1350 ***2,950**	11 660 **460**
9000 mm **360 in**	kg **lb**											*1300 ***2,850**	*1300 ***2,850**	12 660 **500**
7500 mm **300 in**	kg **lb**											*1250 ***2,800**	*1250 ***2,800**	13 410 **530**
6000 mm **240 in**	kg **lb**											*1250 ***2,750**	*1250 ***2,750**	13 970 **550**
4500 mm **180 in**	kg **lb**											*1300 ***2,800**	1250 **2,700**	14 340 **570**
3000 mm **120 in**	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 **2,550**	14 550 **580**
1500 mm **60 in**	kg **lb**					*6750 ***15,950**	6450 **14,000**	*5250 ***11,300**	4450 **9,650**	*4100 ***8,850**	3300 **7,100**	*1400 ***3,000**	1100 **2,450**	14 600 **580**
0 mm **0 in**	kg **lb**			*2000 ***4,550**	*2000 ***4,550**	*4650 ***10,700**	*4650 ***10,700**	*5900 ***12,700**	4000 **8,650**	*4550 ***9,800**	3000 **6,500**	*1450 ***3,200**	1100 **2,400**	14 490 **570**
–1500 mm **–60 in**	kg **lb**	*2100 ***4,600**	*2100 ***4,600**	*2700 ***6,050**	*2700 ***6,050**	*4650 ***10,500**	*4650 ***10,500**	*6250 ***13,550**	3750 **8,050**	4800 **10,350**	2800 **6,050**	*1550 ***3,450**	1100 **2,400**	14 230 **560**
–3000 mm **–120 in**	kg **lb**	*2850 ***6,350**	*2850 ***6,350**	*3500 ***7,850**	*3500 ***7,850**	*5200 ***11,700**	*5200 **11,600**	*6400 **13,850**	3600 **7,750**	4700 **10,050**	2700 **5,750**	*1750 ***3,800**	1150 **2,500**	13 790 **550**
–4500 mm **–180 in**	kg **lb**	*3650 ***8,150**	*3650 ***8,150**	*4400 ***9,900**	*4400 ***9,900**	*6050 ***13,700**	5450 **11,650**	*6400 **13,750**	3600 **7,700**	4600 **9,950**	2650 **5,650**	*1950 ***4,300**	1250 **2,700**	13 170 **520**
–6000 mm **–240 in**	kg **lb**	*4550 ***10,100**	*4550 ***10,100**	*5400 ***12,150**	*5400 ***12,150**	*7200 ***16,300**	5550 **11,900**	*6150 ***13,250**	3600 **7,800**	4650 **9,950**	2650 **5,700**	*2300 ***5,100**	1400 **3,050**	12 340 **490**
–7500 mm **–300 in**	kg **lb**	*5500 ***12,250**	*5500 ***12,250**	*6550 ***14,800**	*6550 ***14,800**	*7300 ***15,650**	5750 **12,350**	*5650 ***12,150**	3750 **8,050**	*4550 ***9,750**	2700 **5,850**	*2700 ***5,950**	1600 **3,600**	11 240 **440**
–9000 mm **–360 in**	kg **lb**			*7950 ***17,450**	*7950 ***17,450**	*6150 ***13,100**	6000 **13,000**	*4850 ***10,350**	3900 **8,450**	*3900 ***8,300**	2850 **6,200**	*2700 ***5,900**	2050 **4,600**	9800 **380**

* **ISO 10567:2007**

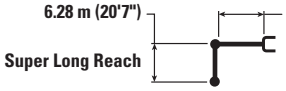
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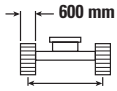
Lift capacity stays with ±5% for all available track shoes.

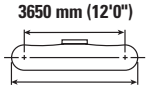
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

(continued on next page)

SLR Boom Lift Capacities – Counterweight: 4.7 mt (10,400 lb) – without Bucket – Heavy Lift: Off *(continued)*







		9000 mm/360 in		10 500 mm/420 in		12 000 mm/480 in		13 500 mm/540 in				
												mm **in**
12 000 mm **480 in**	kg **lb**									*1450 ***3,200**	*1450 ***3,200**	10 350 **400**
10 500 mm **420 in**	kg **lb**			*2200 ***4,850**	*2200 ***4,850**					*1350 ***2,950**	*1350 ***2,950**	11 660 **460**
9000 mm **360 in**	kg **lb**			*2200 ***4,800**	*2200 ***4,800**	*2200 ***4,200**	1950 **4,100**			*1300 ***2,850**	*1300 ***2,850**	12 660 **500**
7500 mm **300 in**	kg **lb**			*2250 ***4,900**	*2250 ***4,900**	*2200 ***4,850**	1950 **4,100**			*1250 ***2,800**	*1250 ***2,800**	13 410 **530**
6000 mm **240 in**	kg **lb**			*2400 ***5,200**	*2400 ***5,200**	*2300 ***5,000**	1900 **4,000**	*2100 ***3,700**	1450 **3,050**	*1250 ***2,750**	*1250 ***2,750**	13 970 **550**
4500 mm **180 in**	kg **lb**	*2800 ***6,050**	*2800 ***6,050**	*2550 ***5,550**	2300 **4,900**	*2400 ***5,200**	1800 **3,850**	*2300 **4,950**	1400 **3,000**	*1300 ***2,800**	1250 **2,700**	14 340 **570**
3000 mm **120 in**	kg **lb**	*3100 ***6,750**	2750 **5,950**	*2800 ***6,000**	2150 **4,600**	*2550 ***5,500**	1700 **3,650**	2250 **4,850**	1350 **2,900**	*1300 ***2,900**	1150 **2,550**	14 550 **580**
1500 mm **60 in**	kg **lb**	*3450 ***7,400**	2550 **5,450**	*3000 ***6,450**	2000 **4,300**	2650 **5,700**	1600 **3,450**	2200 **4,700**	1300 **2,750**	*1400 ***3,000**	1100 **2,450**	14 600 **580**
0 mm **0 in**	kg **lb**	*3700 ***8,050**	2350 **5,050**	3150 **6,700**	1900 **4,000**	2550 **5,500**	1550 **3,250**	2150 **4,600**	1250 **2,650**	*1450 ***3,200**	1100 **2,400**	14 490 **570**
–1500 mm **–60 in**	kg **lb**	3750 **8,050**	2200 **4,750**	3000 **6,500**	1800 **3,800**	2500 **5,350**	1450 **3,100**	2100 **4,500**	1200 **2,550**	*1550 ***3,450**	1100 **2,400**	14 230 **560**
–3000 mm **–120 in**	kg **lb**	3650 **7,800**	2100 **4,500**	2950 **6,300**	1700 **3,650**	2450 **5,250**	1400 **3,000**	2100 ***4,200**	1200 **2,550**	*1750 ***3,800**	1150 **2,500**	13 790 **550**
–4500 mm **–180 in**	kg **lb**	3600 **7,700**	2050 **4,400**	2900 **6,250**	1650 **3,600**	2450 **5,250**	1400 **3,000**			*1950 ***4,300**	1250 **2,700**	13 170 **520**
–6000 mm **–240 in**	kg **lb**	3600 **7,750**	2050 **4,450**	2900 **6,300**	1700 **3,600**	2450 **5,300**	1400 **3,050**			*2300 ***5,100**	1400 **3,050**	12 340 **490**
–7500 mm **–300 in**	kg **lb**	3650 **7,900**	2150 **4,600**	3000 ***6,450**	1750 **3,750**					*2700 ***5,950**	1600 **3,600**	11 240 **440**
–9000 mm **–360 in**	kg **lb**	*3150 ***6,500**	2250 **4,900**							*2700 ***5,900**	2050 **4,600**	9800 **380**

* **ISO 10567:2007**

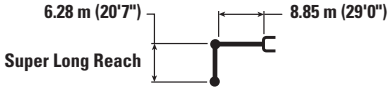
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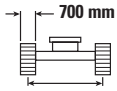
Lift capacity stays with ±5% for all available track shoes.

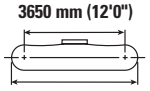
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

320 Hydraulic Excavator Specifications

SLR Boom Lift Capacities – Counterweight: 4.7 mt (10,400 lb) – without Bucket – Heavy Lift: Off







		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm **in**
12 000 mm **480 in**	kg **lb**											*1450 ***3,200**	*1450 ***3,200**	10 350 **400**
10 500 mm **420 in**	kg **lb**											*1350 ***2,950**	*1350 ***2,950**	11 660 **460**
9000 mm **360 in**	kg **lb**											*1300 ***2,850**	*1300 ***2,850**	12 660 **500**
7500 mm **300 in**	kg **lb**											*1250 ***2,800**	*1250 ***2,800**	13 410 **530**
6000 mm **240 in**	kg **lb**											*1250 ***2,750**	*1250 ***2,750**	13 970 **550**
4500 mm **180 in**	kg **lb**											*1300 ***2,800**	1250 **2,700**	14 340 **570**
3000 mm **120 in**	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 **580**
1500 mm **60 in**	kg **lb**					*6750 ***15,950**	6450 **13,950**	*5250 ***11,300**	4450 **9,650**	*4100 ***8,850**	3300 **7,100**	*1400 ***3,000**	1100 **2,400**	14 600 **580**
0 mm **0 in**	kg **lb**			*2000 ***4,550**	*2000 ***4,550**	*4650 ***10,700**	*4650 ***10,700**	*5900 ***12,700**	4000 **8,650**	*4550 ***9,800**	3000 **6,500**	*1450 ***3,200**	1100 **2,400**	14 490 **570**
–1500 mm **–60 in**	kg **lb**	*2100 ***4,600**	*2100 ***4,600**	*2700 ***6,050**	*2700 ***6,050**	*4650 ***10,500**	*4650 ***10,500**	*6250 ***13,550**	3750 **8,050**	4800 **10,350**	2800 **6,050**	*1550 ***3,450**	1100 **2,400**	14 230 **560**
–3000 mm **–120 in**	kg **lb**	*2850 ***6,350**	*2850 ***6,350**	*3500 ***7,850**	*3500 ***7,850**	*5200 ***11,700**	*5200 **11,600**	*6400 **13,800**	3600 **7,750**	4650 **10,050**	2700 **5,750**	*1750 ***3,800**	1150 **2,500**	13 790 **550**
–4500 mm **–180 in**	kg **lb**	*3650 ***8,150**	*3650 ***8,150**	*4400 ***9,900**	*4400 ***9,900**	*6050 ***13,700**	5400 **11,650**	*6400 **13,700**	3550 **7,650**	4600 **9,900**	2650 **5,650**	*1950 ***4,300**	1250 **2,700**	13 170 **520**
–6000 mm **–240 in**	kg **lb**	*4550 ***10,100**	*4550 ***10,100**	*5400 ***12,150**	*5400 ***12,150**	*7200 ***16,300**	5550 **11,900**	*6150 ***13,250**	3600 **7,750**	4650 **9,950**	2650 **5,700**	*2300 ***5,100**	1400 **3,050**	12 340 **490**
–7500 mm **–300 in**	kg **lb**	*5500 ***12,250**	*5500 ***12,250**	*6550 ***14,800**	*6550 ***14,800**	*7300 ***15,650**	5750 **12,350**	*5650 ***12,150**	3700 **8,000**	*4550 ***9,750**	2700 **5,850**	*2700 ***5,950**	1600 **3,600**	11 240 **440**
–9000 mm **–360 in**	kg **lb**			*7950 ***17,450**	*7950 ***17,450**	*6150 ***13,100**	6000 **12,950**	*4850 ***10,350**	3900 **8,450**	*3900 ***8,300**	2850 **6,200**	*2700 ***5,900**	2050 **4,600**	9800 **380**

* **ISO 10567:2007**

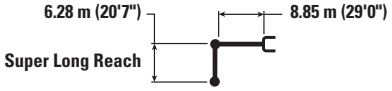
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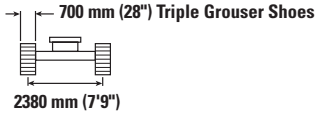
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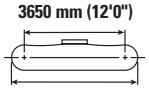
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(continued on next page)

SLR Boom Lift Capacities – Counterweight: 4.7 mt (10,400 lb) – without Bucket – Heavy Lift: Off *(continued)*







		9000 mm/360 in		10 500 mm/420 in		12 000 mm/480 in		13 500 mm/540 in				
												mm **in**
12 000 mm **480 in**	kg **lb**									*1450 ***3,200**	*1450 ***3,200**	10 350 **400**
10 500 mm **420 in**	kg **lb**			*2200 ***4,850**	*2200 ***4,850**					*1350 ***2,950**	*1350 ***2,950**	11 660 **460**
9000 mm **360 in**	kg **lb**			*2200 ***4,800**	*2200 ***4,800**	*2200 ***4,200**	1950 **4,100**			*1300 ***2,850**	*1300 ***2,850**	12 660 **500**
7500 mm **300 in**	kg **lb**			*2250 ***4,900**	*2250 ***4,900**	*2200 ***4,850**	1950 **4,100**			*1250 ***2,800**	*1250 ***2,800**	13 410 **530**
6000 mm **240 in**	kg **lb**			*2400 ***5,200**	*2400 **5,200**	*2300 ***5,000**	1900 **4,000**	*2100 ***3,700**	1450 **3,050**	*1250 ***2,750**	*1250 ***2,750**	13 970 **550**
4500 mm **180 in**	kg **lb**	*2800 ***6,050**	*2800 ***6,050**	*2550 ***5,550**	2300 **4,900**	*2400 ***5,200**	1800 **3,850**	*2300 **4,950**	1400 **3,000**	*1300 ***2,800**	1250 **2,700**	14 340 **570**
3000 mm **120 in**	kg **lb**	*3100 ***6,750**	2750 **5,950**	*2800 ***6,000**	2150 **4,600**	*2550 ***5,500**	1700 **3,650**	2250 **4,850**	1350 **2,850**	*1300 ***2,900**	1150 **2,500**	14 550 **580**
1500 mm **60 in**	kg **lb**	*3450 ***7,400**	2550 **5,450**	*3000 ***6,450**	2000 **4,300**	2650 **5,700**	1600 **3,450**	2200 **4,700**	1300 **2,750**	*1400 ***3,000**	1100 **2,400**	14 600 **580**
0 mm **0 in**	kg **lb**	*3700 ***8,050**	2350 **5,050**	3150 **6,700**	1900 **4,000**	2550 **5,500**	1500 **3,250**	2150 **4,600**	1250 **2,650**	*1450 ***3,200**	1100 **2,400**	14 490 **570**
–1500 mm **–60 in**	kg **lb**	3750 **8,050**	2200 **4,700**	3000 **6,450**	1750 **3,800**	2500 **5,350**	1450 **3,100**	2100 **4,500**	1200 **2,550**	*1550 ***3,450**	1100 **2,400**	14 230 **560**
–3000 mm **–120 in**	kg **lb**	3650 **7,800**	2100 **4,500**	2950 **6,300**	1700 **3,650**	2450 **5,250**	1400 **3,000**	2100 ***4,200**	1200 **2,550**	*1750 ***3,800**	1150 **2,500**	13 790 **550**
–4500 mm **–180 in**	kg **lb**	3600 **7,700**	2050 **4,400**	2900 **6,250**	1650 **3,550**	2450 **5,200**	1400 **3,000**			*1950 ***4,300**	1250 **2,700**	13 170 **520**
–6000 mm **–240 in**	kg **lb**	3600 **7,700**	2050 **4,450**	2900 **6,250**	1700 **3,600**	2450 **5,300**	1400 **3,050**			*2300 ***5,100**	1400 **3,050**	12 340 **490**
–7500 mm **–300 in**	kg **lb**	3650 **7,850**	2100 **4,550**	3000 ***6,450**	1750 **3,750**					*2700 ***5,950**	1600 **3,600**	11 240 **440**
–9000 mm **–360 in**	kg **lb**	*3150 ***6,500**	2250 **4,900**							*2700 ***5,900**	2050 **4,600**	9800 **380**

* **ISO 10567:2007**

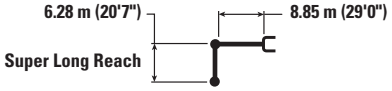
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

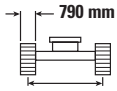
Lift capacity stays with ±5% for all available track shoes.

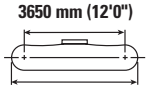
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

320 Hydraulic Excavator Specifications

SLR Boom Lift Capacities – Counterweight: 4.7 mt (10,400 lb) – without Bucket – Heavy Lift: Off







		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm **in**
12 000 mm **480 in**	kg **lb**											*1450 ***3,200**	*1450 ***3,200**	10 350 **400**
10 500 mm **420 in**	kg **lb**											*1350 ***2,950**	*1350 ***2,950**	11 660 **460**
9000 mm **360 in**	kg **lb**											*1300 ***2,850**	*1300 ***2,850**	12 660 **500**
7500 mm **300 in**	kg **lb**											*1250 ***2,800**	*1250 ***2,800**	13 410 **530**
6000 mm **240 in**	kg **lb**											*1250 ***2,750**	*1250 ***2,750**	13 970 **550**
4500 mm **180 in**	kg **lb**											*1300 ***2,800**	1250 **2,750**	14 340 **570**
3000 mm **120 in**	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**	1200 **2,550**	14 550 **580**
1500 mm **60 in**	kg **lb**					*6750 ***15,950**	6550 **14,150**	*5250 ***11,300**	4550 **9,750**	*4100 ***8,850**	3350 **7,200**	*1400 ***3,000**	1150 **2,450**	14 600 **580**
0 mm **0 in**	kg **lb**			*2000 ***4,550**	*2000 ***4,550**	*4650 ***10,700**	*4650 ***10,700**	*5900 ***12,700**	4100 **8,800**	*4550 ***9,800**	3050 **6,600**	*1450 ***3,200**	1100 **2,450**	14 490 **570**
–1500 mm **–60 in**	kg **lb**	*2100 ***4,600**	*2100 ***4,600**	*2700 ***6,050**	*2700 ***6,050**	*4650 ***10,500**	*4650 ***10,500**	*6250 ***13,550**	3800 **8,200**	*4850 ***10,450**	2850 **6,150**	*1550 ***3,450**	1150 **2,450**	14 230 **560**
–3000 mm **–120 in**	kg **lb**	*2850 ***6,350**	*2850 ***6,350**	*3500 ***7,850**	*3500 ***7,850**	*5200 ***11,700**	*5200 ***11,700**	*6400 ***13,900**	3650 **7,900**	4750 **10,200**	2750 **5,850**	*1750 ***3,800**	1150 **2,550**	13 790 **550**
–4500 mm **–180 in**	kg **lb**	*3650 ***8,150**	*3650 ***8,150**	*4400 ***9,900**	*4400 ***9,900**	*6050 ***13,700**	5500 **11,850**	*6400 ***13,800**	3650 **7,800**	4700 **10,100**	2700 **5,750**	*1950 ***4,300**	1250 **2,750**	13 170 **520**
–6000 mm **–240 in**	kg **lb**	*4550 ***10,100**	*4550 ***10,100**	*5400 ***12,150**	*5400 ***12,150**	*7200 ***16,300**	5650 **12,100**	*6150 ***13,250**	3650 **7,900**	4700 **10,100**	2700 **5,800**	*2300 ***5,100**	1400 **3,100**	12 340 **490**
–7500 mm **–300 in**	kg **lb**	*5500 ***12,250**	*5500 ***12,250**	*6550 ***14,800**	*6550 ***14,800**	*7300 ***15,650**	5800 **12,550**	*5650 ***12,150**	3800 **8,150**	*4550 ***9,750**	2750 **5,950**	*2700 ***5,950**	1650 **3,650**	11 240 **440**
–9000 mm **–360 in**	kg **lb**			*7950 ***17,450**	*7950 ***17,450**	*6150 ***13,100**	6100 **13,100**	*4850 ***10,350**	3950 **8,550**	*3900 ***8,300**	2900 **6,300**	*2700 ***5,900**	2100 **4,700**	9800 **380**

* **ISO 10567:2007**

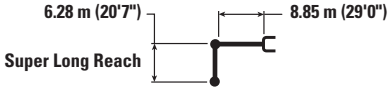
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

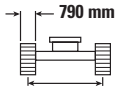
Lift capacity stays with ±5% for all available track shoes.

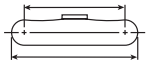
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

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SLR Boom Lift Capacities – Counterweight: 4.7 mt (10,400 lb) – without Bucket – Heavy Lift: Off *(continued)*







		9000 mm/360 in		10 500 mm/420 in		12 000 mm/480 in		13 500 mm/540 in				
												mm **in**
12 000 mm **480 in**	kg **lb**									*1450 ***3,200**	*1450 ***3,200**	10350 **400**
10 500 mm **420 in**	kg **lb**			*2200 ***4,850**	*2200 ***4,850**					*1350 ***2,950**	*1350 ***2,950**	11660 **460**
9000 mm **360 in**	kg **lb**			*2200 ***4,800**	*2200 ***4,800**	*2200 ***4,200**	2000 **4,150**			*1300 ***2,850**	*1300 ***2,850**	12660 **500**
7500 mm **300 in**	kg **lb**			*2250 ***4,900**	*2250 ***4,900**	*2200 ***4,850**	1950 **4,150**			*1250 ***2,800**	*1250 ***2,800**	13410 **530**
6000 mm **240 in**	kg **lb**			*2400 ***5,200**	*2400 ***5,200**	*2300 ***5,000**	1900 **4,050**	*2100 ***3,700**	1500 **3,100**	*1250 ***2,750**	*1250 ***2,750**	13970 **550**
4500 mm **180 in**	kg **lb**	*2800 ***6,050**	*2800 ***6,050**	*2550 ***5,550**	2350 **5,000**	2400 ***5,200**	1850 **3,900**	2300 ***5,000**	1450 **3,050**	*1300 ***2,800**	1250 **2,750**	14340 **570**
3000 mm **120 in**	kg **lb**	*3100 ***6,750**	2800 **6,000**	*2800 ***6,000**	2200 **4,700**	*2550 ***5,500**	1750 **3,700**	2300 **4,900**	1400 **2,950**	*1300 ***2,900**	1200 **2,550**	14550 **580**
1500 mm **60 in**	kg **lb**	*3450 ***7,400**	2600 **5,550**	*3000 ***6,450**	2050 **4,350**	*2700 **5,800**	1650 **3,500**	2250 **4,800**	1300 **2,800**	*1400 ***3,000**	1150 **2,450**	14600 **580**
0 mm **0 in**	kg **lb**	*3700 ***8,050**	2400 **5,150**	3200 **6800**	1900 **4,100**	2600 **5,600**	1550 **3,300**	2200 **4,650**	1250 **2,700**	*1450 ***3,200**	1100 **2,450**	14490 **570**
–1500 mm **–60 in**	kg **lb**	3800 **8,150**	2250 **4,800**	3050 **6,600**	1800 **3,850**	2550 **5,450**	1500 **3,150**	2150 **4,550**	1250 **2,600**	*1550 ***3,450**	1150 **2,450**	14230 **560**
–3000 mm **–120 in**	kg **lb**	3700 **7,950**	2150 **4,600**	3000 **6,400**	1750 **3,700**	2500 **5,350**	1450 **3,050**	2100 ***4,200**	1200 **2,600**	*1750 ***3,800**	1150 **2,550**	13790 **550**
–4500 mm **–180 in**	kg **lb**	3650 **7,850**	2100 **4,500**	2950 **6,350**	1700 **3,650**	2450 **5,300**	1400 **3,050**			*1950 ***4,300**	1250 **2,750**	13170 **520**
–6000 mm **–240 in**	kg **lb**	3650 **7,850**	2100 **4,500**	2950 **6,400**	1700 **3,650**	2500 **5,400**	1450 **3,100**			*2300 ***5,100**	1400 **3,100**	12340 **490**
–7500 mm **–300 in**	kg **lb**	3700 ***7,950**	2150 **4,650**	3050 ***6,450**	1800 **3,850**					*2700 ***5,950**	1650 **3,650**	11240 **440**
–9000 mm **–360 in**	kg **lb**	*3150 ***6,500**	2300 **4,950**							*2700 ***5,900**	2100 **4,700**	9800 **380**

* **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.

320 Hydraulic Excavator Specifications

Bucket Specifications and Compatibility

		Width		Capacity		Weight		Fill	3.7 mt (8,200 lb) Counterweight		4.7 mt (10,400 lb) Counterweight
									HD Reach Boom		SLR Boom
	Linkage	mm	in	m^3	yd^3	kg	lb	%	HD R2.5	HD R2.9	6.28A (20'7")
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	2955	2735	880
								lb	6,515	6,030	1,940
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	○	○	
	B	1350	54	1.56	2.04	1213	2,674	90			
Maximum load with coupler (payload + bucket)								kg	2533	2314	
								lb	5,585	5,102	
Pin-On, TRS20 S70											
Heavy Duty - Grading	B	1600	63	1.00	1.31	691	1,523	100	⊖	○	
	B	1800	71	1.10	1.44	758	1,671	100	○	◇	
Heavy Duty - Digging	B	1150	45	0.90	1.18	778	1,715	100	⊖	○	
	B	1280	49	1.10	1.44	850	1,874	100	○	◇	
Heavy Duty - Trenching	B	600	24	0.55	0.72	460	1,014	100	●	●	
Maximum load with pin-on (payload + bucket)								kg	2270	1996	
								lb	5,004	4,400	
With HCS70, TRS20 HCS70											
Heavy Duty - Grading	B	1600	63	1.00	1.31	691	1,523	100	○	◇	
	B	1800	71	1.10	1.44	758	1,671	100	◇		
Heavy Duty - Digging	B	1150	45	0.90	1.18	778	1,715	100	○	◇	
	B	1280	49	1.10	1.44	850	1,874	100	◇		
Heavy Duty - Trenching	B	600	24	0.55	0.72	460	1,014	100	●	●	
Maximum load with pin-on (payload + bucket)								kg	1888	1614	
								lb	4,161	3,557	

The above loads are in compliance with hydraulic excavator standard EN474-5:2022/AC:2022, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

Maximum Material Density:

- ● 2100 kg/m³ (3,500 lb/yd³)
- ◉ 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- ○ 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.

Attachments Offering Guide

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

✓ Match | * Working range front only | ● 1800 kg/m³ (3,000 lb/yd³) | ○ 1200 kg/m³ (2,000 lb/yd³)

PIN-ON ATTACHMENTS

Counterweight		3.7 mt (8,200 lb)	
Boom Type		**HD Reach**	
Stick Length		**HD R2.5 (8'2")**	**HD 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	✓	✓
	MP318 Tank Shear 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)	CVP75	✓	✓
	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 *(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		3.7 mt (8,200 lb)	
Boom Type		**HD Reach**	
Stick Length		**HD R2.5 (8'2")**	**HD 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 S	✓*	
	H130 S	✓	✓
Multi-Processors	MP318 Concrete Cutter Jaw	✓	✓*
	MP318 Demolition Jaw	✓*	
	MP318 Shear Jaw	✓	✓*
	MP318 Universal Jaw	✓*	
Demolition & Sorting Grapples	G318	✓*	✓*
Pulverizers	P218 Secondary Pulverizer	✓*	
	P318 Primary Pulverizer	✓*	
Mulchers	HM4015	✓	✓
	HM4815	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓
Rotary Cutters	RC20	✓	✓

S70 DEDICATED COUPLER ATTACHMENTS

Counterweight		3.7 mt (8,200 lb)	
Boom Type		**HD Reach**	
Stick Length		**HD R2.5 (8'2")**	**HD 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 & Sorting Grapples	G318	✓	✓
Mobile Scrap & Demolition Shears	S3025 Flat Top	✓*	
Pulverizers	P218 Secondary Pulverizer	✓	✓*
	P318 Primary Pulverizer	✓	✓*
Compactors (Vibratory Plate)	CVP110	✓	✓
Rotary Cutters	RC20	✓	✓

(continued on next page)

Attachments Offering Guide *(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		3.7 mt (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 S	✓	✓
	H130 S	✓	✓
Multi-Processors	MP318 Concrete Cutter Jaw	✓	✓*
	MP318 Demolition Jaw	✓	✓*
	MP318 Pulverizer Jaw	✓*	
	MP318 Shear Jaw	✓	✓*
	MP318 Tank Shear Jaw	✓*	
	MP318 Universal Jaw	✓	
Demolition & Sorting Grapples	G318	✓	✓*
Pulverizers	P218 Secondary Pulverizer	✓*	
	P318 Primary Pulverizer	✓*	
Compactors (Vibratory Plate)	CVP110	✓	✓
Rotary Cutters	RC20	✓	✓

HCS70/55 DEDICATED COUPLER ATTACHMENTS

Counterweight		3.7 mt (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 S	✓	✓
	H130 S	✓	✓
Multi-Processors	MP318 Concrete Cutter Jaw	✓	
	MP318 Demolition Jaw	✓	
	MP318 Pulverizer Jaw	✓*	
	MP318 Shear Jaw	✓	✓*
	MP318 Tank Shear Jaw	✓*	
	MP318 Universal Jaw	✓*	
Demolition & Sorting Grapples	G318	✓	
Pulverizers	P218 Secondary Pulverizer	✓*	
	P318 Primary Pulverizer	✓*	
Compactors (Vibratory Plate)	CVP110	✓	✓
Rotary Cutters	RC20	✓	✓

(continued on next page)

Attachments Offering Guide *(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

TRS20 (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		3.7 mt (8,200 lb)	
Boom Type		**HR Reach**	
Stick Length		**HD R2.5 (8'2")**	**HD R2.9 (9'6")**
Hydraulic Hammers	H115 S	✓	✓
	H120 S		

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.
The TRS18 has been replaced by TRS20. For legacy machines or work tool attachments, please consult the appropriate compatibility guide to ensure accurate matching and performance.

TRS20 (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		3.7 mt (8,200 lb)	
Boom Type		**HR Reach**	
Stick Length		**HD R2.5 (8'2")**	**HD R2.9 (9'6")**
Hydraulic Hammers	H115 GC S	✓	✓
	H115 S	✓	✓
	H120 GC S	✓	✓
	H120 S	✓	✓

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.
The TRS18 has been replaced by TRS20. For legacy machines or work tool attachments, please consult the appropriate compatibility guide to ensure accurate matching and performance.

BOOM-MOUNT ATTACHMENTS

Counterweight		3.7 mt (8,200 lb)
Boom Type		**HD Reach**
Mobile Scrap and Demolition Shears	S2050	✓
	S3035 Flat Top	✓

(continued on next page)

Attachments Offering Guide *(continued)*

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

✓ Match ☐ No Match

BOOM-MOUNT ATTACHMENTS

Counterweight		3.7 mt (8,200 lb)
Boom Type		**HD Reach**
Mobile Scrap and Demolition Shears	S2050	✓
	S3035 Flat Top	✓

Thumb Specifications

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							✓	✓

320 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") HD Reach boom		✓
8.85 m (29'0") Super Long Reach boom		✓
2.9 m (9'6") HD Reach stick		✓
2.5 m (8'2") HD Reach stick		✓
6.28 m (20'7") Super Long Reach stick		✓
Bucket linkage, B1-family with lifting eye		✓
Bucket linkage, A-family with lifting eye, SLR		✓
CAT® TECHNOLOGY		
Cat Equipment Management:		
VisionLink™	✓[1]	
Remote Flash	✓	
Remote Troubleshoot	✓	
Work tool recognition and tracking (PL161)	✓[2]	
Operator Coaching		✓[3]
Cat Grade:		
Cat Grade with 2D	✓[4]	
Cat Grade with 2D with Attachment Ready Option (ARO)		✓
Laser catcher		✓
Cat Grade with 3D (single or dual GNSS)		✓
Compatible with 3D grade systems from Trimble, Topcon, and Leica	✓	
Cat Grade 3D Ready		✓
Cat Assist:[4]		
Grade Assist	✓	
Boom Assist	✓	
Bucket Assist	✓	
Swing Assist	✓	
Lift Assist	✓	
Cat Payload:[4]		
On-the-go weighing	✓	
Semiautomatic calibration	✓	
Payload/cycle information	✓	
VisionLink back office reporting		✓[5]
Cat Advanced Payload:		
Daily totals		✓
Custom lists		✓
Smart weight target		✓
E-ticket Integration		✓[5]
Other:		
Cat Tiltrotator (TRS) integration		✓

	Standard	Optional
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		✓
ENGINE		
Cat C7.1 single turbo diesel engine	✓	
Three selectable power modes	✓	
Auto engine speed control	✓	
Auto engine idle shutdown	✓	
4500 m (14,760 ft) altitude capability with derate from 3000 m (9,840 ft)	✓	
52° C (125° F) high-ambient cooling capacity	✓	
Starting capability for –18° C (0° F)	✓	
Double element air filter with integrated pre-cleaner	✓	
Electric cooling fans with auto-reverse function	✓	
HYDRAULIC SYSTEM		
Boom and stick regeneration circuits	✓	
Electronic main control valve	✓	
Auto warm up	✓	
Auto Dig Boost	✓[6]	
Auto heavy lift	✓[6]	
Auto two-speed travel	✓	
Boom and stick drift reduction valve	✓	
Element type main hydraulic filter	✓	
Slider joysticks	✓	
Tandem type electronic main pump	✓	
Hydraulic efficiency monitoring		✓
Hammer return filter circuit		✓
Tool Control (two pumps, one/two way high-pressure flow)		✓
Quick coupler circuit for Cat Pin Grabber and CW Dedicated		✓

[1]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.

[2]Requires PL161 attachment locator on work tool and Bluetooth® receiver on machine.

[3]VisionLink subscription required for back office reporting. Consult your Cat dealer for details.

[4]Optional on machines equipped with a Super Long Reach boom and stick.

[5]VisionLink subscription required. Consult your Cat dealer for details.

[6]Not available for Super Long Reach.

(continued on next page)

Standard and Optional Equipment *(continued)*

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

	Standard	Optional
SAFETY AND SECURITY		
Cat Command (remote control)		✓
2D E-Fence: E-ceiling E-floor E-swing E-wall E-cab avoidance	✓[4]	
Auto hammer stop	✓	
Rearview camera	✓	
Right-hand-sideview camera		✓
Right-hand side mirror		✓
360° visibility		✓
Neutral lever (lock out) for all controls	✓	
Anti-skid plate and countersunk bolts on service platform	✓	
Ground-level accessible secondary engine shutoff switch in cab	✓	
Lockable disconnect switch	✓	
Swing alarm		✓
RH handrail and handhold	✓	
Travel alarm	✓	
Inspection lighting		✓
SERVICE AND MAINTENANCE		
S·O·S℠ ports	✓	
QuickEvac™ maintenance ready		✓
Grouped location for engine oil and fuel filters	✓	
Ground-level second dipstick for engine oil	✓	
Radiator screen		✓
Integrated vehicle health management system	✓	

[4]Optional on machines equipped with a Super Long Reach boom and stick.

	Standard	Optional
UNDERCARRIAGE AND STRUCTURES		
700 mm (28") triple grouser track shoes		✓
600 mm (24") double grouser shoes		✓
600 mm (24") triple grouser track shoes		✓
790 mm (31") triple grouser track shoes		✓
Tie-down points on base frame	✓	
Segmented track guiding guards	✓	
Full-length track guiding guards		✓
Bottom guards	✓	
HD bottom guards		✓
Swivel guard	✓	
Travel motor guards	✓	
HD travel motor guards		✓
Grease lubricated track links	✓	
3.7 mt (8,200 lb) counterweight		✓
4.7 mt (10,400 lb) counterweight for Super Long Reach		✓

Dealer Installed Kits 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

Cab Options

	Comfort	Deluxe
ROPS	●	●
OPG	○	○
High-resolution 203 mm (8") LCD touchscreen monitor	●	●
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, infinite with no tool	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/Aux 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	●	●
Auxiliary relay	X	○

● Standard

○ Optional

X Not available

320 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® C7.1 engine meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Cat engines are compatible with diesel fuel blended with the following lower-carbon intensity fuels** up to:
  - ✓ 100% biodiesel FAME (fatty acid methyl ester)*
  - ✓ 100% renewable diesel, HVO (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels

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

**For use of blends higher than 20% biodiesel, consult your Cat dealer.*

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

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.85 kg (1.9 lb) of refrigerant which has a CO_2 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) – 100 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).

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
  - Utilizing Cat technologies can help increase operating efficiencies
  - Extended service intervals help decrease maintenance costs
  - The latest hydraulic oil filter provides longer life with a 3,000-hour replacement interval



320
Forestry

The Cat® 320 Forestry Configuration provides premium performance and operating efficiency. Lower fuel consumption vs 320D2 FM and longer maintenance intervals significantly reduce operating costs. Severe Duty undercarriage features an 8-roller bottom, double supported carrier rollers, and 600 mm double grouser track shoes. ROPS comfort cab is fitted with 19 mm polycarbonate front window and 13 mm polycarbonate side windows.

Consult your dealer for regional availability.

Efficient Performance

- Use less fuel than the Cat 320D2 FM excavator.
- Use onboard information systems to track operating costs, including fuel consumption and daily maintenance.
- The C7.1 engine can run on biodiesel up to B20 and meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Match the excavator to the job with power modes; let Smart mode automatically match engine and hydraulic power to your processor.
- Auxiliary hydraulic options give you the versatility to use a wide range of attachments.
- Don't let the temperature stop you from working. The excavator has a standard high-ambient temperature capability of 52° C (125° F) and cold start capability of –18° C (0° F).

Operating Cost

- Expect less maintenance cost than the 320D2 FM.
- Do all daily maintenance at ground level.
- Check engine oil level quickly and safely with the ground-level engine oil dipstick; fill and check engine oil on top of the machine with a conveniently located second dipstick.
- Fuel filters are synchronized to be changed at 1,000 hours.
- The latest air intake filter with pre-cleaner has a high dust-holding capacity.
- The latest hydraulic oil filter offers high-quality filtration performance, features anti-drain valves to keep the oil clean when the filter is replaced, and provides an extended 3,000-hour replacement interval for efficiency and convenience.
- High-efficiency cooling fans run only when needed; you can program intervals so they automatically reverse to keep cores clean without interrupting your work.
- S·O·S ports are on ground level, simplifying maintenance and allowing for quick, easy extraction of fluid samples for analysis.
- Remote troubleshoot connects you to a dealer service professional to help solve your problem and quickly get you to work.
- Remote flash works around your schedule to ensure your machine's software is up to date for optimal performance.

Comfort and Simplicity

- Work effectively in the Comfort cab with automatic climate control.
- Start the engine with a push button; use a Bluetooth key fob, smartphone app, or the Operator ID passcode.
- Program your power mode and joystick preferences using Operator ID; the excavator will remember what you set each time you go to work.
- Navigate quickly on the standard high-resolution 203 mm (8 in) touchscreen monitor, or with the optional 254 mm (10 in) touchscreen monitor, or with the aid of the jog dial control.
- Enjoy wide spacing between consoles for a more comfortable environment.
- Improved viscous mounts help reduce cab vibration, increasing operator comfort and efficiency.
- Stow your gear with plenty of in-cab storage behind and beneath the seat, overhead, and in the consoles.
- Use the standard radio's USB ports and Bluetooth technology to connect personal devices and make hands-free calls.
- Not sure how a function works or how to maintain the excavator? Always have the operator's manual at your fingertips in the touchscreen monitor.

Safety

- Access 100% of daily maintenance points from ground level – no need for you to climb on top of the excavator.
- The cab meets ISO 12117-2:2008 Rollover Protective Structure (ROPS) and ISO 8084:2003 Operator Protective Structure (OPS) standards.
- 19 mm front and 13 mm side windows are made of strong polycarbonate plastic
- Enjoy great visibility to the stem, in each swing direction, and behind you with the help of smaller cab pillars, larger windows, and a flat engine hood design.
- The standard hydraulic lockout lever isolates all hydraulic and travel functions in the lowered position.
- Ground-level shutoff switch stops all fuel to the engine when activated and shuts down the machine.
- A rearview camera is standard, and a right-hand-sideview camera is optional. Upgrade to 360° visibility and you'll easily see objects and personnel around the excavator in a single view.
- The right-hand service platform design provides easy, safe, and quick access to upper service platform; the service platform steps use anti-skid punch plate to prevent slipping.
- The right-hand handrails comply with ISO 2867:2011 requirements.

CAT®

320 Forestry Specifications

Engine

Engine Model	Cat® C7.1	
Net Power		
ISO 9249	117 kW	157 hp
ISO 9249 (DIN)	159 hp (metric)	
Engine Power		
ISO 14396	118 kW	158 hp
ISO 14396 (DIN)	160 hp (metric)	
Bore	105 mm	4 in
Stroke	135 mm	5 in
Displacement	7.01 L	428 in³
Biodiesel capability	Up to B20(1)	

- Meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Recommended for use up to 4500 m (14,760 ft) altitude with engine power derate above 3000 m (9,840 ft).
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.
- Engine speed at 1,800 rpm.

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

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

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

**For use of blends higher than 20% biodiesel, consult your Cat dealer.*

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

Swing Mechanism

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

Weights

Operating Weight	20 900 kg	46,100 lb

- HD Reach boom, HD R2.9 (9'6"), 600 mm (24") double grouser shoes, and 3.7 mt (8,200 lb) counterweight.

Track

Track Shoes Width	600 mm	24 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	46,000 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	5,100 psi
Maximum Pressure – Equipment – Lift Mode	38 000 kPa	5,500 psi
Maximum Pressure – Travel	35 000 kPa	5,100 psi
Maximum Pressure – Swing	27 500 kPa	4,000 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

Service Refill Capacities

Fuel Tank Capacity	345 L	91.1 gal
Cooling System	25 L	6.6 gal
Engine Oil	25 L	6.6 gal
Swing Drive	5.5 L	1.5 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

Standards

Brakes	ISO 10265:2008
OPS	ISO 8084:2003
Cab/ROPS	ISO 12117-2:2008
Cab/OPG (optional)	ISO 10262:1998 Level II

Sound Performance

ISO 6395:2008 (external)	100 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") HD Double Grouser Shoes	
	Weight	Ground Pressure
Base Machine Configurations	**kg (lb)**	**kPa (psi)**
Base Frame with Track Rollers and Carrier Rollers		
3.7 mt (8,200 lb) Counterweight + Long Undercarriage Base Machine		
HD Reach Boom + HD R2.9 (9'6") Stick	20 900 kg (46,100 lb)	43.5 kPa (6.3 psi)
HD Reach Boom + HD R2.9 (9'6") Stick for Harvester	21 100 kg (46,600 lb)	43.9 kPa (6.4 psi)

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

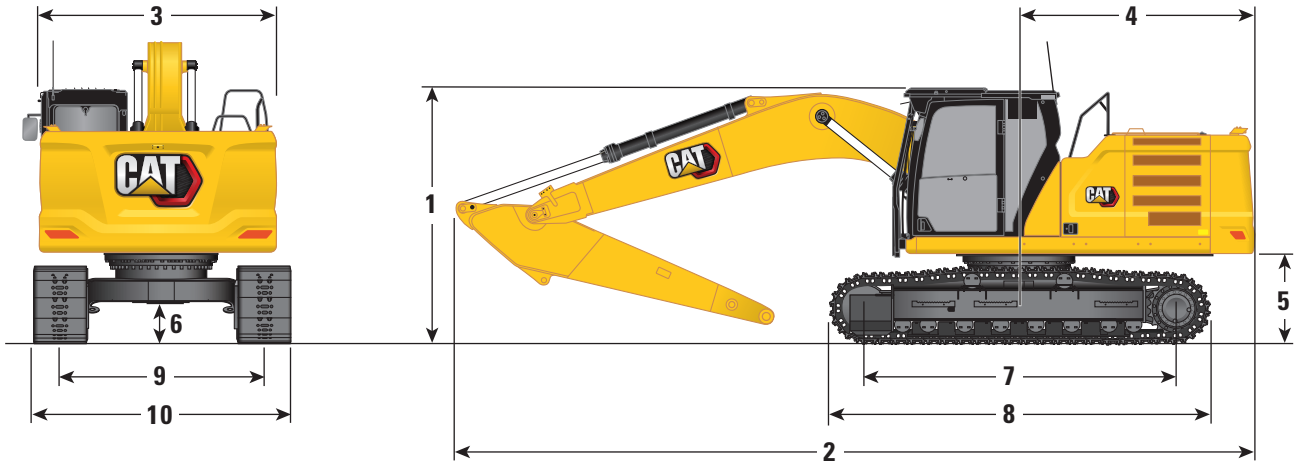
Major Component Weights

	kg	lb
Base Machine (with 3.7 mt [8,200 lb] counterweight, standard swing frame, standard base frame with SD track rollers and standard carrier rollers with long undercarriage without boom cylinder – does not include 90% fuel and 75 kg [165 lb] operator)	14 380	31,700
Track Shoes:		
600 mm (24") Width, 13 mm (0.51") Thick Double Grouser Track Shoes	3080	6,800
600 mm (24") Width, 10 mm (0.39") Thick Triple Grouser Track Shoes	2690	5,900
Two Boom Cylinders	350	800
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	310	700
Counterweights:		
3.7 mt (8,200 lb) Counterweight	3700	8,200
Swing Frame:		
Standard Swing Frame	1900	4,200
Undercarriage:		
Base Frame with Track Rollers and Carrier Rollers	5150	10,600
Booms (including lines, pins, stick cylinder):		
HD Reach Boom 5.7 m (18'8")	2020	3,900
HD Straight Boom 5.7 m (18'8") for Harvester	2080	4,000
HD Straight Boom 5.7 m (18'8") for Grapple	2020	3,900
Sticks (including lines, pins):		
HD Reach Stick R2.9B1 (9'6")	770	1,700
HD Reach Stick R2.9B1 (9'6") for Harvester	930	2,100
HD Reach Stick R2.9B1 (9'6") for Grapple	920	2,000
OPG	300	130

320 Forestry Specifications

Dimensions

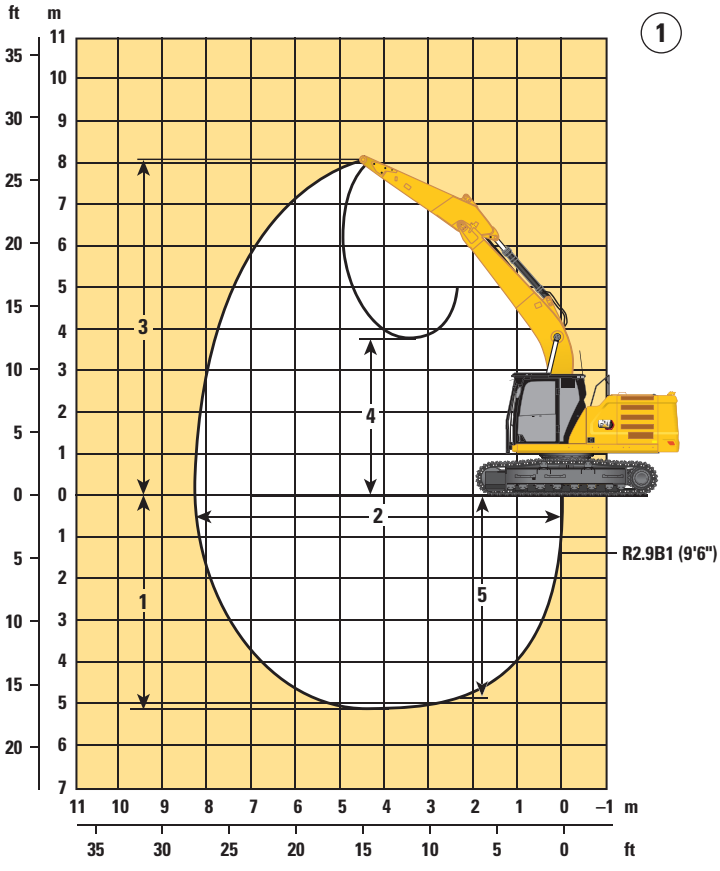
All dimensions are approximate and may vary depending on bucket selection.

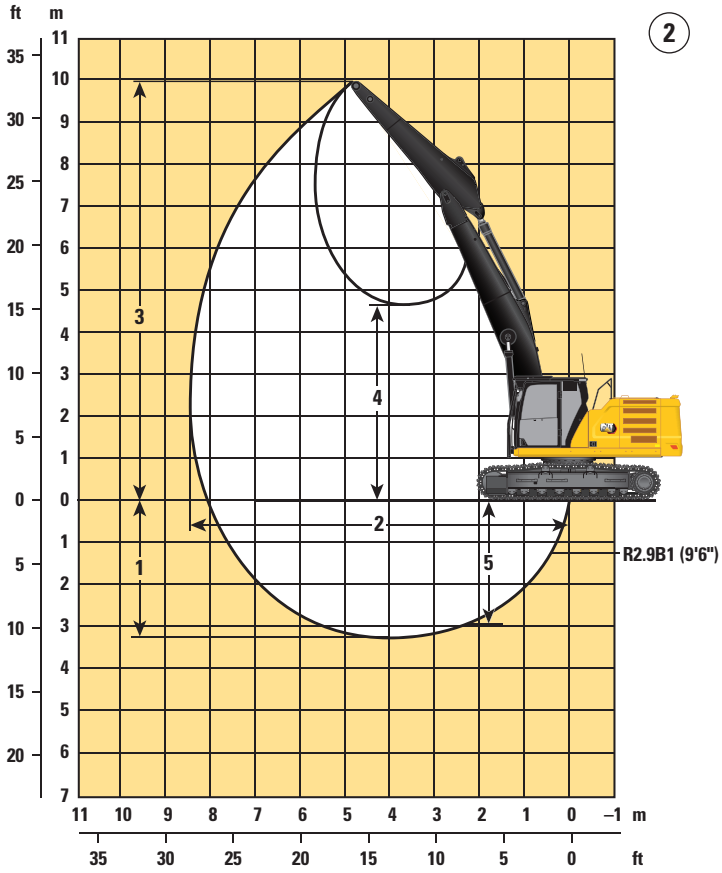


Boom Options	HD Reach Boom 5.7 m (18'8")		HD Straight Boom 5.7 m (18'8")			
Stick Options	**HD Reach Stick R2.9B1 (9'6")**		**HD Reach Stick R2.9B1 (9'6") Harvester**		**HD Reach Stick R2.9B1 (9'6") Grapple**	
1 Machine Height:						
Top of Cab Height	2970 mm	9'9"	2970 mm	9'9"	2970 mm	9'9"
Top of OPG Height	3120 mm	10'3"	3120 mm	10'3"	3120 mm	10'3"
Handrail Height	2970 mm	9'9"	2970 mm	9'9"	2970 mm	9'9"
With Boom/Stick Installed	2920 mm	9'7"	2590 mm	8'6"	2590 mm	8'6"
With Boom Installed	2480 mm	8'2"	2180 mm	7'2"	2180 mm	7'2"
2 Machine Length:						
With Boom/Stick Installed	9500 mm	31'2"	9550 mm	31'4"	9550 mm	31'4"
With Boom Installed	8460 mm	27'9"	8370 mm	27'6"	8370 mm	27'6"
3 Upper Frame 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	465 mm	1'6"	465 mm	1'6"	465 mm	1'6"
7 Length to Center of Rollers	3650 mm	12'0"	3650 mm	12'0"	3650 mm	12'0"
8 Track Length	4450 mm	14'7"	4450 mm	14'7"	4450 mm	14'7"
9 Track Gauge – Extended	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"

Working Ranges – General Forestry (Processor)

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

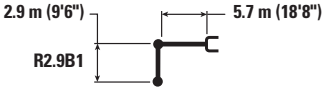


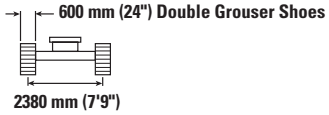


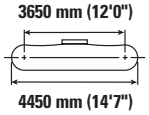
Boom Options	HD Reach Boom 5.7 m (18'8") (1)		HD Straight Boom 5.7 m (18'8") (2)			
Stick Options	**HD Reach Stick R2.9B1 (9'6")**		**HD Reach Stick R2.9B1 (9'6") Harvester**		**HD Reach Stick R2.9B1 (9'6") Grapple**	
1 Maximum Digging Depth	5140 mm	16'10"	3260 mm	10'8"	3260 mm	10'8"
2 Maximum Reach at Ground Line	8260 mm	27'1"	8440 mm	27'8"	8440 mm	27'8"
3 Maximum Cutting Height	8070 mm	26'6"	9980 mm	32'9"	9980 mm	32'9"
4 Minimum Loading Height	3750 mm	12'4"	4770 mm	15'8"	4770 mm	15'8"
5 Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	4800 mm	15'9"	2990 mm	9'10"	2990 mm	9'10"

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Reach Boom Lift Capacities – Counterweight: 3.7 mt (8,200 lb) – without Bucket – Heavy Lift: On







		1.5 m/5 ft		3.0 m/10 ft		4.5 m/15 ft		6.0 m/20 ft		7.5 m/25 ft				
														mm ft/in
7.5 m 25 ft	kg lb							*4700	*4700			*4050 *9,000	*4050 *9,000	6160 19'9"
6.0 m 20 ft	kg lb							*5100 *11,150	*5100 *11,150			*3800 *8,350	*3800 *8,350	7290 23'8"
4.5 m 15 ft	kg lb							*5550 *12,100	5300 11,450	*5250 *11,450	3750 8,100	*3750 *8,200	3400 7,500	7990 26'1"
3.0 m 10 ft	kg lb					*8050 *17,350	7650 16,500	*6350 *13,800	5050 10,900	*5550 *12,100	3650 7,900	*3800 *8,350	3100 6,850	8360 27'4"
1.5 m 5 ft	kg lb					*9700 *20,950	7100 15,350	*7200 *15,550	4800 10,350	5550 11,900	3550 7,650	*4050 *8,850	3000 6,600	8450 27'8"
0 m 0 ft	kg lb			*6400 *14,700	*6400 *14,700	*10 600 *22,900	6800 14,700	7450 16,050	4650 10,000	5450 11,650	3450 7,450	*4450 *9,800	3050 6,700	8260 27'0"
–1.5 m –5 ft	kg lb	*6850 *15,300	*6850 *15,300	*10 950 *24,800	*10 950 *24,800	*10 700 *23,100	6750 14,450	7350 15,850	4550 9,800	5400 11,600	3450 7,400	5150 11,350	3300 7,200	7780 25'5"
–3.0 m –10 ft	kg lb	*11 600 *26,000	*11 600 *26,000	*14 050 *30,450	12 950 27,800	*10 000 *21,600	6800 14,600	7400 15,950	4600 9,850			6050 13,400	3850 8,500	6940 22'7"
–4.5 m —15 ft	kg lb			*11 200 *24,000	*11 200 *24,000	*8100 *17,300	7000 15,100					*6200 *13,600	5250 11,800	5590 18'0"

* ISO 10567:2007

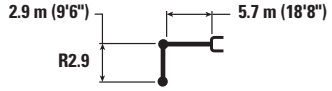
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

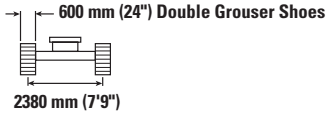
Lift capacity stays with ±5% for all available track shoes.

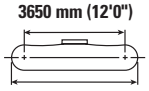
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

Straight Boom Lift Capacities – Counterweight: 3.7 mt (8,200 lb) – without Bucket – Heavy Lift: On

Harvester







		3.0 m/10 ft		4.5 m/15 ft		6.0 m/20 ft		7.5 m/25 ft				
												mm ft/in
9.0 m 30 ft	kg lb			*5850	*5850					*5500 *12,500	*5500 *12,500	4580 14'2"
7.5 m 25 ft	kg lb			*6650 *14,750	*6650 *14,750	*5900 *11,850	5250 11,200			*4400 *9,750	*4400 *9,750	6390 20'7"
6.0 m 20 ft	kg lb			*6400 *14,150	*6400 *14,150	*6750 *14,750	5250 11,300			*3950 *8,750	3600 8,050	7490 24'4"
4.5 m 15 ft	kg lb	*7650 *16,050	*7650 *16,050	*7900 *17,050	*7900 *17,050	*7250 *15,750	5100 10,950	5600 12,050	3600 7,750	*3800 *8,350	3100 6,900	8170 26'8"
3.0 m 10 ft	kg lb			*10 100 *21,850	7350 15,800	*7700 16,600	4850 10,450	5500 11,800	3500 7,550	*3800 *8,300	2900 6,350	8530 27'11"
1.5 m 5 ft	kg lb			*10 650 *23,100	6800 14,650	7450 16,000	4600 9,900	5350 11,550	3400 7,300	*3900 *8,550	2800 6,150	8620 28'3"
0 m 0 ft	kg lb			*10 200 *22,100	6550 14,050	7250 15,600	4450 9,550	5300 11,350	3300 7,150	*4150 *9,150	2850 6,300	8430 27'7"
–1.5 m –5 ft	kg lb	*8850 *20,200	*8850 *20,200	*8700 *18,900	6500 14,000	*6700 *14,450	4400 9,450	*4850 *10,200	3300 7,150	*3950 *8,650	3100 6,850	7960 26'0"
–3.0 m –10 ft	kg lb			*6250 *13,400	*6250 *13,400	*4800 *10,100	4450 9,650			*4100 *9,250	4000 9,050	6540 21'0"

* 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.

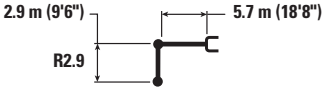
Lift capacity stays with ±5% for all available track shoes.

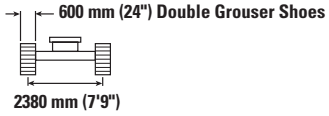
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

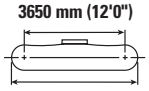
320 Forestry Specifications

Straight Boom Lift Capacities – Counterweight: 3.7 mt (8,200 lb) – without Bucket – Heavy Lift: On

Grapple







		3.0 m/10 ft		4.5 m/15 ft		6.0 m/20 ft		7.5 m/25 ft				
												mm ft/in
9.0 m 30 ft	kg lb			*5850	*5850					*5450 *12,500	*5450 *12,500	4580 14'2"
7.5 m 25 ft	kg lb			*6650 *14,750	*6650 *14,750	*5900 *11,800	5250 11,200			*4350 *9,700	*4350 *9,700	6390 20'7"
6.0 m 20 ft	kg lb			*6400 *14,150	*6400 *14,150	*6750 *14,750	5250 11,300			*3950 *8,700	3650 8,050	7490 24'4"
4.5 m 15 ft	kg lb	*7650 *16,050	*7650 *16,050	*7900 *17,050	*7900 *17,050	*7300 *15,800	5100 10,950	5600 12,050	3600 7,750	*3800 *8,350	3150 6,900	8170 26'8"
3.0 m 10 ft	kg lb			*10 150 *21,900	7350 15,850	*7700 16,600	4850 10,450	5500 11,800	3500 7,550	*3800 *8,300	2900 6,350	8530 27'11"
1.5 m 5 ft	kg lb			*10 700 *23,200	6800 14,700	7450 16,000	4600 9,900	5350 11,550	3400 7,300	*3900 *8,550	2800 6,150	8620 28'3"
0 m 0 ft	kg lb			*10 250 *22,200	6550 14,150	7250 15,650	4450 9,600	5300 11,400	3350 7,150	*4150 *9,150	2900 6,300	8430 27'7"
–1.5 m –5 ft	kg lb	*8850 *20,150	*8850 *20,150	*8750 *19,000	6550 14,050	*6750 *14,550	4400 9,500	*4850 *10,250	3350 7,200	*4000 *8,700	3100 6,850	7960 26'0"
–3.0 m –10 ft	kg lb			*6300 *13,500	*6300 *13,500	*4850 *10,200	4500 9,650			*4150 *9,300	4050 9,100	6540 21'0"

* 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.

Standard and Optional Equipment

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

	Standard	Optional
BOOMS AND STICKS		
5.7 m (18' 8") HD Reach boom		✓
5.7 m (18' 8") HD Straight boom for Harvester		✓
5.7 m (18' 8") HD Straight boom for Grapple		✓
2.9 m (9' 6") HD Reach stick		✓
2.9 m (9' 6") HD Stick for Harvester		✓
2.9 m (9' 6") HD Stick for Grapple		✓
CAB		
ROPS	✓	
19 mm (3/4") polycarbonate front window	✓	
13 mm (1/2") polycarbonate side and rear windows	✓	
High-resolution 203 mm (8") LCD touchscreen monitor	✓	
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, three steps with tool, arm rest height and angle adjustment	✓	
Monitor integrated Bluetooth radio with USB/Auxiliary ports	✓	
Air suspension seat with headrest	✓	
51 mm (2") seat belt	✓	
Tilt up left-side console	✓	
12V DC outlets	✓	
Document storage	✓	
Cup and bottle holders	✓	
Upper parallel wiper with washer	✓	
Openable steel hatch	✓	
LED dome and lower lights	✓	
Roller front sunscreen	✓	
Roller rear sunscreen		✓
Washable floor mat	✓	
Beacon ready	✓	
OPG ready	✓	

	Standard	Optional
CAT TECHNOLOGY		
Cat Equipment Management:		
VisionLink™	✓[1]	
ELECTRICAL SYSTEM		
Maintenance-free 1,000 CCA batteries (×2)	✓	
Centralized electrical disconnect switch	✓	
Programmable time-delay LED working lights	✓	
LED chassis light, LH and RH boom lights, LH and RH cab lights	✓	
Premium surround lighting package		✓
ENGINE		
Cat C7.1 single turbo diesel engine	✓	
Three selectable power modes	✓	
Auto engine speed control	✓	
Auto engine idle shutdown	✓	
4500 m (14,760 ft) altitude capability with derate from 3000 m (9,840 ft)	✓	
52° C (125° F) high-ambient cooling capacity	✓	
–18° C (0° F) cold start capability	✓	
Double element air filter with integrated pre-cleaner	✓	
Electric cooling fans with auto-reverse function	✓	
GUARDS		
Full-length track guiding guards	✓	
HD bottom guards	✓	
Swivel guard	✓	
HD travel motor guards	✓	
OPG		✓

(continued on next page)

[1]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 and Optional Equipment *(continued)*

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

	Standard	Optional
HYDRAULIC SYSTEM		
Tool Control 25 Hydraulic Package for Forestry (two pumps, one/two way high-pressure flow)	✓	
Auto heavy lift	✓	
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	✓	
Hammer return filter circuit		✓
Slider joysticks	✓	
Tandem type electronic main pump	✓	
Hydraulic efficiency monitoring		✓
SAFETY AND SECURITY		
Rearview camera	✓	
Right-hand-sideview camera		✓
Right-hand side mirror		✓
360° visibility for OPG	✓	
Neutral lever (lock out) for all controls	✓	
Lockable disconnect switch	✓	
Anti-skid plate and countersunk bolts on service platform	✓	
Swing alarm		✓
Ground-level accessible secondary engine shutoff switch in cab	✓	
Travel alarm	✓	

	Standard	Optional
SERVICE AND MAINTENANCE		
Grouped location of engine oil and fuel filters	✓	
S·O·S℠ ports	✓	
Ground-level second dipstick for engine oil	✓	
QuickEvac™ maintenance ready		✓
Radiator screen		✓
Integrated vehicle health management system	✓	
UNDERCARRIAGE AND STRUCTURES		
600 mm (24") double grouser track shoes	✓	
600 mm (24") triple grouser track shoes		✓
Grease lubricated track links	✓	
Tie-down points on base frame	✓	
3.7 mt (8,200 lb) counterweight	✓	



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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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AEXQ3761-02 (12-2025)
Replaces AEXQ3761-01
Build Number: 07H
(S Am [except Chile, Colombia])

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