



# 320

## Hydraulic Excavator

# Technical Specifications

### Engine

Engine Model	Cat® C4.4 ACERT™	
Net Power (ISO 9249)	121 kW	162 hp
Net Power (SAE J1349)	121 kW	162 hp
Gross Power (ISO 14396/SAE J1995)	122 kW	164 hp
Bore	105 mm	4 in
Stroke	127 mm	5 in
Displacement	4.4 L	269 in <sup>3</sup>

- The 320 meets U.S. EPA Tier 4 Final and EU Stage IV equivalent emission standards.
- Recommended for use up to 4500 m (14,760 ft) altitude with engine power derate above 3000 m (9,840 ft).
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
- Rating at 1,800 rpm.

### Engine rpm

Operation	1,650 rpm
Travel	1,800 rpm

### Swing Mechanism

Swing Speed	11.3 rpm
Maximum Swing Torque	74 kN·m 54,440 lbf·ft

### Weights

Operating Weight	21 900 kg	48,300 lb
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- Reach boom 5.7 m (18'8"), R2.9 (9'6") stick, 1.19 m<sup>3</sup> (1.56 yd<sup>3</sup>) HD bucket and 600 mm (24 in) triple grouser shoes, 4.2 mt (9,300 lb) counterweight.

### Track

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

### Drive

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

### Hydraulic System

Main System – Maximum Flow (Implement)	429 L/min (214.5 × 2 pumps)	113 gal/min (56.5 × 2 pumps)
Swing System – Maximum Flow	No swing pump	
Maximum Pressure – Equipment – Normal	35 000 kPa	5,075 psi
Maximum Pressure – Equipment – Lift Mode	38 000 kPa	5,510 psi
Maximum Pressure – Travel	34 300 kPa	4,974 psi
Maximum Pressure – Swing	26 800 kPa	3,886 psi
Boom Cylinder – Bore	120 mm	5 in
Boom Cylinder – Stroke	1260 mm	50 in
Stick Cylinder – Bore	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



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## Service Refill Capacities

Fuel Tank Capacity	345 L	86.6 gal
Cooling System	25 L	6.6 gal
Engine Oil	15 L	4.0 gal
Swing Drive (each)	5 L	1.3 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
DEF Tank	39 L	10.3 gal

## Standards

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

## Sound Performance

ISO 6395 (external)	99 dB(A)
ISO 6396 (inside cab)	70 dB(A)

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

## Operating Weight and Ground Pressure

	600 mm (24 in) Triple Grouser Shoes		700 mm (28 in) Triple Grouser Shoes	
	Weight	Ground Pressure	Weight	Ground Pressure
<b>4.2 mt (9,300 lb) Counterweight + Long Undercarriage Base Machine</b>				
Reach Boom + R2.9 (9'6") Stick + 1.14 m <sup>3</sup> (1.49 yd <sup>3</sup> ) GD Bucket	21 900 kg	48,300 lb	45.6 kPa	6.6 psi
	22 100 kg	48,700 lb	39.4 kPa	5.7 psi

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

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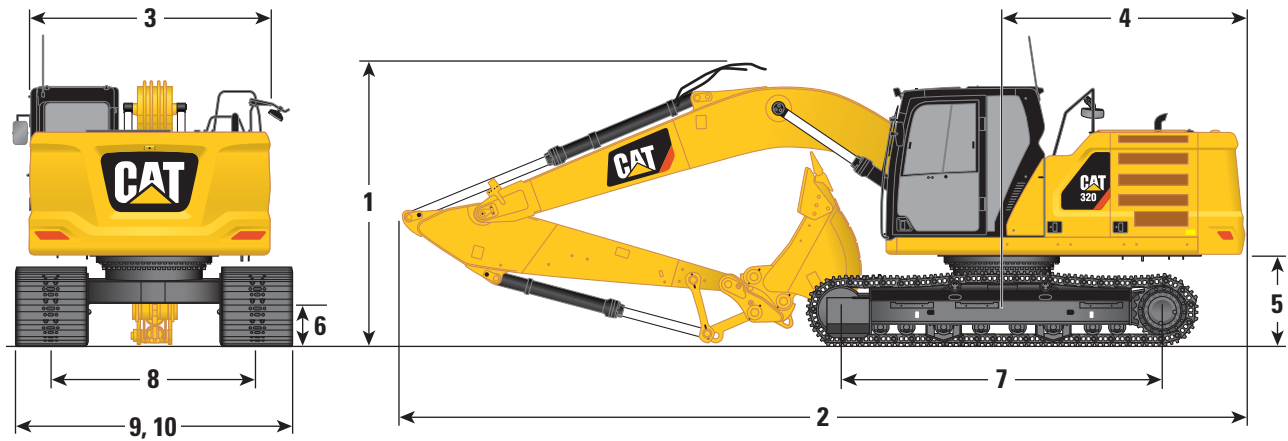
## Major Component Weights

	kg	lb
Base Machine (with 4.2 mt [9,300 lb] counterweight, semi-HD swing frame, standard base frame with HD track rollers and standard carrier rollers for long undercarriage, with boom cylinder – does not include 90% fuel and 75 kg [165 lb] operator)	14 800	32,600
Track Shoes:		
600 mm (24 in) Width, 10 mm (0.39 in) Thick Triple Grouser Track Shoes	2690	5,900
700 mm (28 in) Width, 10 mm (0.39 in) Thick Triple Grouser Track Shoes	3050	6,700
Two Boom Cylinders	340	750
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	310	680
Counterweights:		
4.2 mt (9,300 lb) Counterweight	4200	9,300
4.7 mt (10,400 lb) Counterweight (only for Super Long Reach)	4700	10,400
Swing Frame:		
Semi-HD Swing Frame, for C4.4 ACERT	1910	4,210
Standard and Long Undercarriage:		
Standard Base Frame with HD Track Rollers and Standard Carrier Rollers for Long Undercarriage	4390	9,700
Booms (including lines, pins, stick cylinder):		
Reach Boom (5.7 m/18'8")	1710	3,800
Super Long Reach Boom (8.85 m/29'0")	2170	4,800
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick (R2.9B1/9'6")	1300	2,900
Super Long Reach Stick (6.28A/20'7")	1340	3,000
Buckets (without linkage):		
1.19 m <sup>3</sup> (1.56 yd <sup>3</sup> ) HD	880	1,940
0.57 m <sup>3</sup> (0.75 yd <sup>3</sup> ) Ditch Cleaning	390	850
0.53 m <sup>3</sup> (0.69 yd <sup>3</sup> ) GD	400	890
Quick Couplers:		
CW Dedicated	230	500
Pin Grabber QC	390	850

# 320 Hydraulic Excavator Specifications

## Dimensions

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

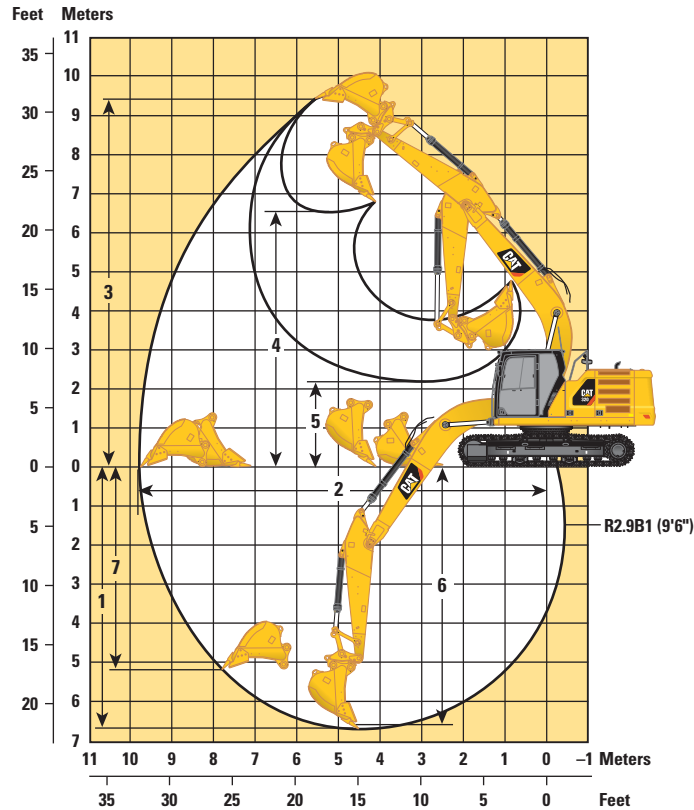


Boom Options	Reach Boom 5.7 m (18'8")		SLR Boom 8.85 m (29'0")			
Stick Options	Reach Stick R2.9B1 (9'6")		6.28A (20'7")		SLR Stick 6.28A (20'7")	
<b>1</b> Machine Height:						
Top of Cab Height	2960 mm	9'9"	2960 mm	9'9"	2960 mm	9'9"
Top of FOGS Height	3100 mm	10'2"	3100 mm	10'2"	3100 mm	10'2"
Handrails Height	2950 mm	9'8"	2950 mm	9'8"	2950 mm	9'8"
With Boom/Stick/Bucket Installed	3160 mm	10'4"	3190 mm	10'6"	3190 mm	10'6"
With Boom/Stick Installed	2910 mm	9'7"	3070 mm	10'1"	3070 mm	10'1"
With Boom Installed	2480 mm	8'2"	2650 mm	8'8"	2650 mm	8'8"
<b>2</b> Machine Length:						
With Boom/Stick/Bucket Installed	9530 mm	31'3"	12 750 mm	41'9"	12 750 mm	41'9"
With Boom/Stick Installed	9500 mm	31'2"	12 760 mm	41'9"	12 760 mm	41'9"
With Boom Installed	8450 mm	27'9"	8920 mm	29'3"	8920 mm	29'3"
<b>3</b> Upperframe Width without Walkways	2780 mm	9'1"	2780 mm	9'1"	2780 mm	9'1"
<b>4</b> Tail Swing Radius	2830 mm	9'3"	2830 mm	9'3"	2830 mm	9'3"
<b>5</b> Counterweight Clearance	1050 mm	3'5"	1050 mm	3'5"	1050 mm	3'5"
<b>6</b> Ground Clearance	470 mm	1'7"	470 mm	1'7"	470 mm	1'7"
<b>7</b> Track Length – Length to Center of Rollers	3650 mm	12'0"	3650 mm	12'0"	3650 mm	12'0"
<b>8</b> Track Gauge – Extended	2380 mm	7'9"	2380 mm	7'9"	2380 mm	7'9"
<b>9</b> Track Width:						
600 mm (24 in) Shoes	2980 mm	9'9"	2980 mm	9'9"	2980 mm	9'9"
700 mm (28 in) Shoes	3080 mm	10'1"	3080 mm	10'1"	3080 mm	10'1"
<b>10</b> Undercarriage Width (with steps/without steps):						
600 mm (24 in) Shoes	2980 mm	9'9"	2980 mm	9'9"	2980 mm	9'9"
700 mm (28 in) Shoes	3080 mm	10'1"	3080 mm	10'1"	3080 mm	10'1"
Bucket Type	HD		Ditch Cleaning (DC)		GD	
Bucket Capacity	1.19 m <sup>3</sup>	1.56 yd <sup>3</sup>	0.57 m <sup>3</sup>	0.75 yd <sup>3</sup>	0.53 m <sup>3</sup>	0.69 yd <sup>3</sup>
Bucket Tip Radius	1580 mm	5'2"	1070 mm	3'6"	1220 mm	4'0"

# 320 Hydraulic Excavator Specifications

## Working Ranges

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

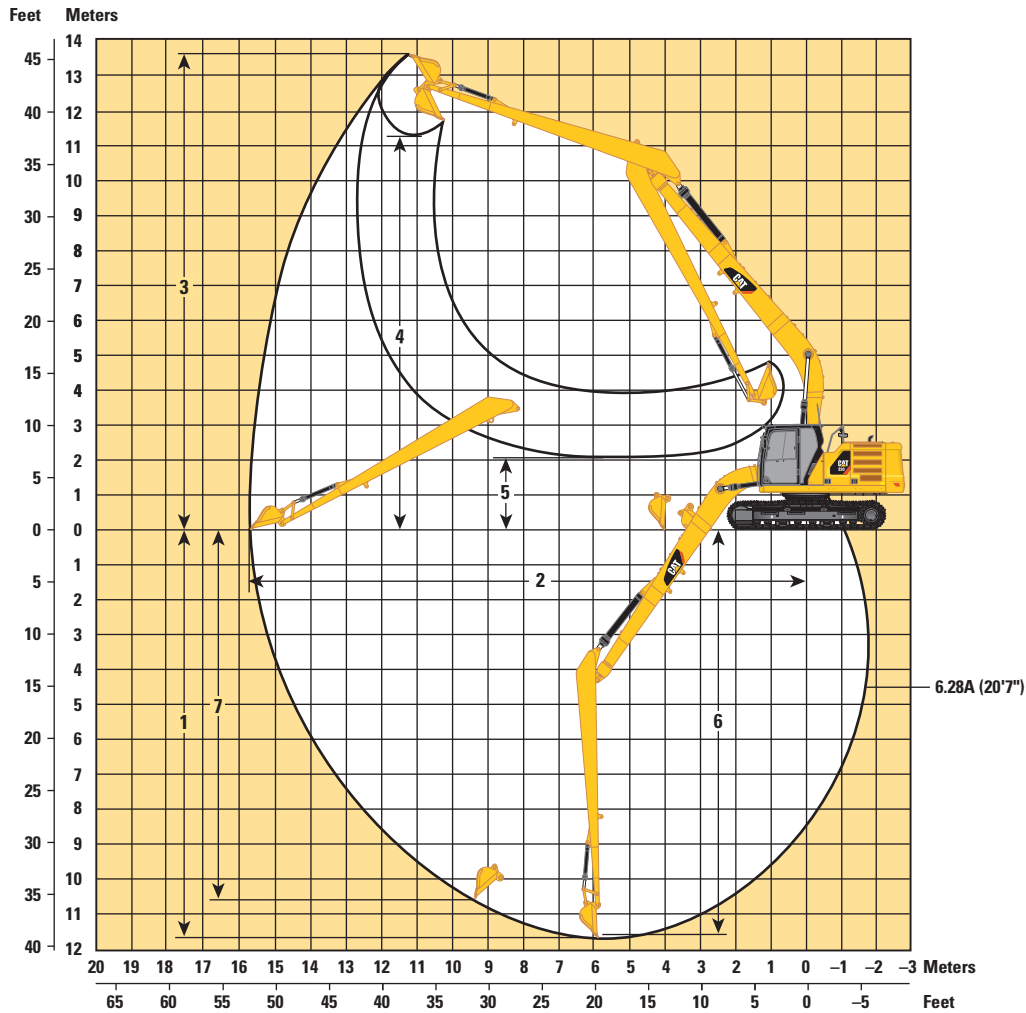


Boom Option	Reach Boom 5.7 m (18'8")	
Stick Option	Reach Stick R2.9B1 (9'6")	
1 Maximum Digging Depth	6720 mm	22'1"
2 Maximum Reach at Ground Line	9860 mm	32'4"
3 Maximum Cutting Height	9370 mm	30'9"
4 Maximum Loading Height	6490 mm	21'3"
5 Minimum Loading Height	2170 mm	7'1"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6550 mm	21'6"
7 Maximum Vertical Wall Digging Depth	5190 mm	17'0"
Bucket Digging Force (SAE)	134 kN	30,104 lbf
Bucket Digging Force (ISO)	150 kN	33,811 lbf
Stick Digging Force (SAE)	103 kN	23,212 lbf
Stick Digging Force (ISO)	106 kN	23,911 lbf
Bucket Type	HD	
Bucket Capacity	1.19 m <sup>3</sup>	1.56 yd <sup>3</sup>
Bucket Tip Radius	1570 mm	5'2"

# 320 Hydraulic Excavator Specifications

## Working Ranges

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



### Boom Option

**SLR Boom**  
8.85 m (29'0")

### Stick Option

**6.28A (20'7")**

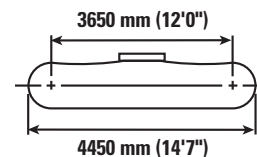
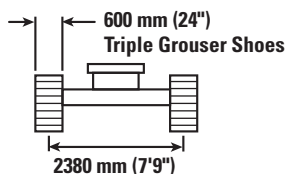
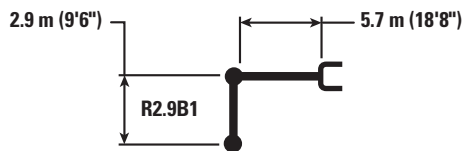
**SLR Stick**

**6.28A (20'7")**

	6.28A (20'7")	SLR Stick	6.28A (20'7")
<b>1</b> Maximum Digging Depth	11 540 mm	37'10"	11 690 mm
<b>2</b> Maximum Reach at Ground Line	15 570 mm	51'1"	15 730 mm
<b>3</b> Maximum Cutting Height	13 540 mm	44'5"	13 610 mm
<b>4</b> Maximum Loading Height	11 440 mm	37'6"	11 290 mm
<b>5</b> Minimum Loading Height	2240 mm	7'4"	2080 mm
<b>6</b> Maximum Depth Cut for 2440 mm (8'0") Level Bottom	11 440 mm	37'6"	11 590 mm
<b>7</b> Maximum Vertical Wall Digging Depth	11 020 mm	36'2"	10 560 mm
Bucket Digging Force (SAE)	62 kN	13,841 lbf	54 kN
Bucket Digging Force (ISO)	62 kN	13,841 lbf	60 kN
Stick Digging Force (SAE)	49 kN	10,950 lbf	48 kN
Stick Digging Force (ISO)	49 kN	10,950 lbf	49 kN
Bucket Type	Ditch Cleaning (DC)		GD
Bucket Capacity	0.57 m <sup>3</sup>	0.75 yd <sup>3</sup>	0.53 m <sup>3</sup>
Bucket Tip Radius	1070 mm	3'6"	1220 mm

# 320 Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 4.2 mt (9,300 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		
7500 mm 300 in	kg lb							*4550	*4550			*3950	*3950	6150 240
6000 mm 240 in	kg lb							*4950	*4950			*3650	*3650	7290 290
4500 mm 180 in	kg lb							*5450	5250	*5100	3700	*3600	3350	7990 320
3000 mm 120 in	kg lb					*7900	7650	*6250	5000	*5450	3600	*3650	3050	8360 330
1500 mm 60 in	kg lb					*9600	7150	*7050	4800	5450	3500	*3900	2950	8450 340
0 mm 0 in	kg lb			*6250	*6250	*10 500	6850	7400	4600	5350	3400	*4300	3000	8260 330
-1500 mm -60 in	kg lb	*6700	*6700	*10 800	*10 800	*10 600	6750	7300	4550	5300	3400	*5050	3250	7780 310
-3000 mm -120 in	kg lb	*11 450	*11 450	*14 050	13 200	*9950	6850	7350	4600			6000	3800	6950 280
-4500 mm -180 in	kg lb			*11 200	*11 200	*8050	7050					*6100	5250	5600 220
				*24,000	*24,000	*17,150	15,200					*13,400	11,750	



ISO 10567



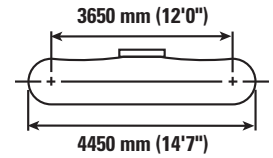
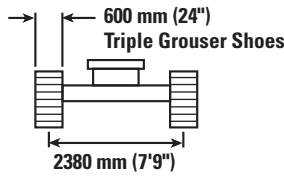
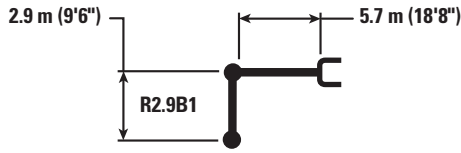
\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

## Reach Boom Lift Capacities – Counterweight: 4.2 mt (9,300 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							*4950	*4950			*4300 *9,550	*4300 *9,550	6150 240
6000 mm 240 in	kg lb							*5450 *11,950	5400 11,600			*4000 *8,800	3950 8,750	7290 290
4500 mm 180 in	kg lb							*6000 *13,000	5250 11,300	*5650 12,200	3700 7,950	*3900 *8,600	3350 7,400	7990 320
3000 mm 120 in	kg lb					*8700 *18,750	7650 16,450	*6850 *14,900	5000 10,800	5550 11,950	3600 7,750	*4000 *8,800	3050 6,750	8360 330
1500 mm 60 in	kg lb					*10 550 *22,800	7150 15,350	7600 16,300	4800 10,300	5450 11,700	3500 7,550	*4250 *9,350	2950 6,500	8450 340
0 mm 0 in	kg lb			*6600 *15,200	*6600 *15,200	*11 600 25,000	6850 14,750	7400 15,900	4600 9,950	5350 11,500	3400 7,350	4700 10,300	3000 6,600	8260 330
-1500 mm -60 in	kg lb	*7100 *15,800	*7100 *15,800	*11 400 *25,900	*11 400 *25,900	11 550 24,800	6750 14,550	7300 15,750	4550 9,800	5300 11,450	3400 7,300	5050 11,150	3250 7,150	7780 310
-3000 mm -120 in	kg lb	*12 100 *27,150	*12 100 *27,150	*15 500 *33,600	13 200 28,250	*10 950 *23,700	6850 14,700	7350 15,800	4600 9,850			6000 13,250	3800 8,400	6950 280
-4500 mm -180 in	kg lb			*12 400 *26,550	*12 400 *26,550	*8950 *19,000	7050 15,200					*6750 *14,850	5250 11,750	5600 220



ISO 10567



\*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.

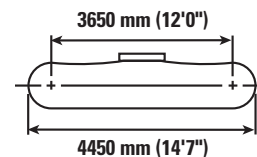
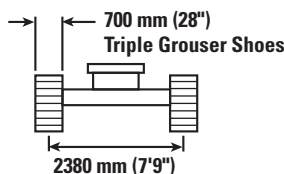
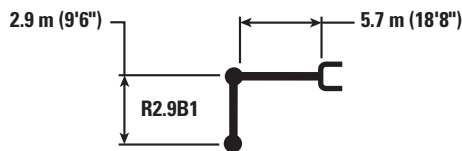
Lift capacity stays with ±5% for all available track shoes.

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



# 320 Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 4.2 mt (9,300 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		
7500 mm 300 in	kg lb							*4550	*4550			*3950 *8,750	*3950 *8,750	6150 240
6000 mm 240 in	kg lb							*4950 *10,850	*4950 *10,850			*3650 *8,050	*3650 *8,050	7290 290
4500 mm 180 in	kg lb							*5450 *11,800	5350 11,450	*5100 *11,200	3750 8,100	*3600 *7,900	3400 7,500	7990 320
3000 mm 120 in	kg lb					*7900 *17,050	7750 16,650	*6250 *13,500	5100 10,950	*5450 *11,850	3700 7,900	*3650 *8,050	3100 6,850	8360 330
1500 mm 60 in	kg lb					*9600 *20,650	7250 15,600	*7050 *15,300	4850 10,450	5550 11,900	3550 7,650	*3900 *8,550	3000 6,600	8450 340
0 mm 0 in	kg lb			*6250 *14,350	*6250 *14,350	*10 500 *22,700	6950 15,000	7500 16,150	4700 10,100	5450 11,700	3500 7,450	*4300 *9,450	3050 6,700	8260 330
-1500 mm -60 in	kg lb	*6700 *14,900	*6700 *14,900	*10 800 *24,450	*10 800 *24,450	*10 600 *22,950	6900 14,800	7450 16,000	4600 9,950	5400 11,650	3450 7,450	*5050 *11,100	3300 7,250	7780 310
-3000 mm -120 in	kg lb	*11 450 *25,650	*11 450 *25,650	*14 050 *30,450	13 400 28,650	*9950 *21,450	6950 14,950	*7400 *15,850	4650 10,000			*6050 *13,300	3850 8,550	6950 280
-4500 mm -180 in	kg lb			*11 200 *24,000	*11 200 *24,000	*8050 *17,150	7150 15,400					*6100 *13,400	5300 11,950	5600 220



ISO 10567



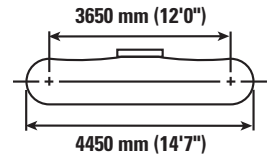
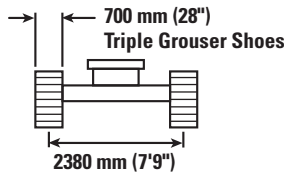
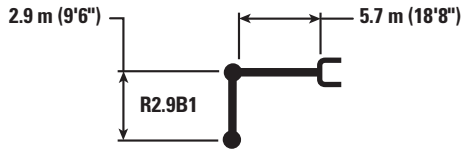
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Lift capacity stays with ±5% for all available track shoes.

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# 320 Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 4.2 mt (9,300 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							*4950	*4950			*4300 *9,550	*4300 *9,550	6150 240
6000 mm 240 in	kg lb							*5450 *11,950	*5450 11,750			*4000 *8,800	4000 *8,800	7290 290
4500 mm 180 in	kg lb							*6000 *13,000	5350 11,450	*5650 *12,350	3750 8,100	*3900 *8,600	3400 7,500	7990 320
3000 mm 120 in	kg lb					*8700 *18,750	7750 16,650	*6850 *14,900	5100 10,950	5650 12,150	3700 7,900	*4000 *8,800	3100 6,850	8360 330
1500 mm 60 in	kg lb					*10 550 *22,800	7250 15,600	7700 16,550	4850 10,450	5550 11,900	3550 7,650	*4250 *9,350	3000 6,600	8450 340
0 mm 0 in	kg lb			*6600 *15,200	*6600 *15,200	*11 600 *25,050	6950 15,000	7500 16,150	4700 10,100	5450 11,700	3500 7,450	*4700 *10,350	3050 6,700	8260 330
-1500 mm -60 in	kg lb	*7100 *15,800	*7100 *15,800	*11 400 *25,900	*11 400 *25,900	*11 700 25,200	6900 14,800	7450 16,000	4600 9,950	5400 11,650	3450 7,450	5150 11,350	3300 7,250	7780 310
-3000 mm -120 in	kg lb	*12 100 *27,150	*12 100 *27,150	*15 500 *33,600	13 400 28,650	*10 950 *23,700	6950 14,950	7450 16,100	4650 10,000			6100 13,500	3850 8,550	6950 280
-4500 mm -180 in	kg lb			*12 400 *26,550	*12 400 *26,550	*8950 *19,000	7150 15,400					*6750 *14,850	5300 11,950	5600 220



ISO 10567



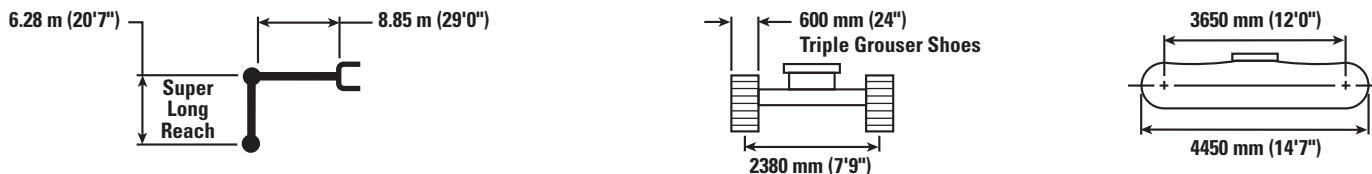
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# 320 Hydraulic Excavator Specifications

## Super Long Reach 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											*1250 *2,800	*1250 *2,800	10 350 400
10 500 mm 420 in	kg lb											*1200 *2,600	*1200 *2,600	11 660 460
9000 mm 360 in	kg lb											*1150 *2,450	*1150 *2,450	12 660 500
7500 mm 300 in	kg lb											*1100 *2,400	*1100 *2,400	13 410 530
6000 mm 240 in	kg lb											*1100 *2,400	*1100 *2,400	13 970 550
4500 mm 180 in	kg lb											*1100 *2,400	*1100 *2,400	14 340 570
3000 mm 120 in	kg lb			*4700 *11,850	*4700 *11,850	*6050 *12,950	*6050 *12,950	*4450 *9,600	*4450 *9,600	*3650 *7,850	3600 7,750	*1150 *2,500	1150 2,500	14 550 580
1500 mm 60 in	kg lb					*6750 *16,000	6350 13,800	*5250 *11,350	4400 9,500	*4150 *8,900	3250 7,000	*1200 *2,600	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 *12,750	3950 8,550	*4550 *9,850	2950 6,400	*1250 *2,750	1100 2,350	14 490 570
-1500 mm -60 in	kg lb	*2100 *4,600	*2100 *4,600	*2700 *6,100	*2700 *6,100	*4650 *10,500	*4650 *10,500	*6300 *13,650	3700 7,950	4750 10,150	2750 5,950	*1350 *3,000	1100 2,350	14 230 560
-3000 mm -120 in	kg lb	*2850 *6,350	*2850 *6,350	*3550 *7,900	*3550 *7,900	*5200 *11,750	*5200 11,450	6350 13,600	3550 7,650	4600 9,900	2650 5,700	*1500 *3,300	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 13,500	3550 7,600	4550 9,750	2600 5,600	*1700 *3,750	1200 2,650	13 170 520
-6000 mm -240 in	kg lb	*4550 *10,150	*4550 *10,150	*5400 *12,150	*5400 *12,150	*7200 *16,350	5450 11,750	*6200 *13,350	3550 7,650	4550 9,800	2600 5,600	*2000 *4,450	1350 3,000	12 340 490
-7500 mm -300 in	kg lb	*5500 *12,250	*5500 *12,250	*6600 *14,800	*6600 *14,800	*7350 *15,750	5650 12,200	*5700 *12,250	3700 7,900	*4600 *9,850	2700 5,750	*2500 *5,650	1600 3,550	11 240 440
-9000 mm -360 in	kg lb			*7950 *17,650	*7950 *17,650	*6200 *13,200	5950 12,800	*4900 *10,400	3850 8,350	*3950 *8,350	2800 6,100	*2700 *5,950	2000 4,550	9800 380



ISO 10567



\*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.

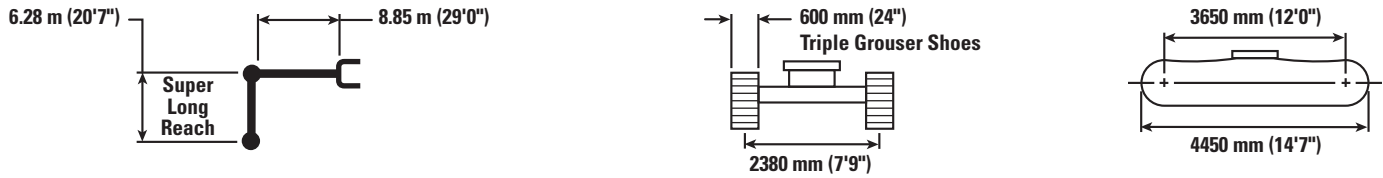
Lift capacity stays with ±5% for all available track shoes.












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

(continued on next page)

# 320 Hydraulic Excavator Specifications

## Super Long Reach 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									*1250 *2,800	*1250 *2,800	10 350 400
10 500 mm 420 in	kg lb			*2200 *4,700	*2200 *4,700					*1200 *2,600	*1200 *2,600	11 660 460
9000 mm 360 in	kg lb			*2200 *4,800	*2200 *4,800	*2000 *3,650	1900 *3,650			*1150 *2,450	*1150 *2,450	12 660 500
7500 mm 300 in	kg lb			*2250 *4,950	*2250 *4,950	*2250 *4,900	1900 4,050			*1100 *2,400	*1100 *2,400	13 410 530
6000 mm 240 in	kg lb			*2400 *5,200	2400 5,100	*2300 *5,000	1850 3,900	*1850 *3,250	1450 3,000	*1100 *2,400	*1100 *2,400	13 970 550
4500 mm 180 in	kg lb	*2800 *6,100	*2800 *6,100	*2600 *5,600	2250 4,850	*2400 *5,250	1750 3,750	2300 *4,600	1400 2,950	*1100 *2,400	*1100 *2,400	14 340 570
3000 mm 120 in	kg lb	*3150 *6,750	2750 5,850	*2800 *6,050	2100 4,550	*2550 *5,550	1700 3,550	2200 4,750	1350 2,850	*1150 *2,500	*1150 *2,500	14 550 580
1500 mm 60 in	kg lb	*3450 *7,450	2500 5,400	*3000 *6,500	2000 4,250	2600 5,600	1600 3,350	2150 4,600	1300 2,700	*1200 *2,600	1100 2,400	14 600 580
0 mm 0 in	kg lb	*3750 *8,100	2300 4,950	3100 6,600	1850 3,950	2550 5,400	1500 3,200	2100 4,500	1250 2,600	*1250 *2,750	1100 2,350	14 490 570
-1500 mm -60 in	kg lb	3700 7,900	2150 4,650	2950 6,350	1750 3,750	2450 5,250	1450 3,050	2050 4,400	1200 2,500	*1350 *3,000	1100 2,350	14 230 560
-3000 mm -120 in	kg lb	3600 7,700	2100 4,450	2900 6,200	1700 3,600	2400 5,150	1400 2,950	2050 *3,650	1150 2,500	*1500 *3,300	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			*1700 *3,750	1200 2,650	13 170 520
-6000 mm -240 in	kg lb	3550 7,600	2050 4,350	2850 6,150	1650 3,550	2400 *5,150	1400 3,000			*2000 *4,450	1350 3,000	12 340 490
-7500 mm -300 in	kg lb	3600 7,750	2100 4,500	2950 6,350	1700 3,700					*2500 *5,650	1600 3,550	11 240 440
-9000 mm -360 in	kg lb	*3150 *6,550	2250 4,800							*2700 *5,950	2000 4,550	9800 380



ISO 10567



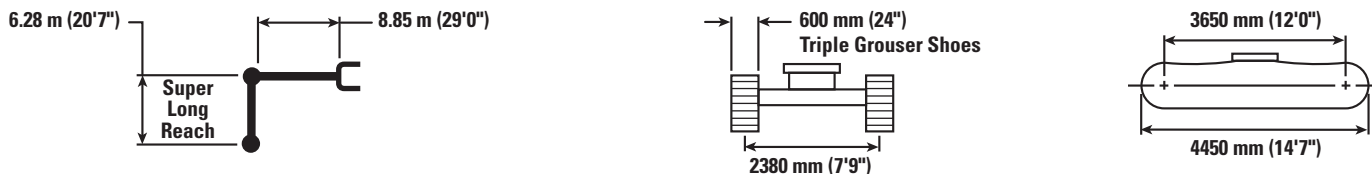
\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

## Super Long Reach Boom Lift Capacities – Counterweight: 4.7 mt (10,400 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		
12 000 mm 480 in	kg lb											*1250 *2,800	*1250 *2,800	10 350 400
10 500 mm 420 in	kg lb											*1200 *2,600	*1200 *2,600	11 660 460
9000 mm 360 in	kg lb											*1150 *2,450	*1150 *2,450	12 660 500
7500 mm 300 in	kg lb											*1100 *2,400	*1100 *2,400	13 410 530
6000 mm 240 in	kg lb											*1100 *2,400	*1100 *2,400	13 970 550
4500 mm 180 in	kg lb											*1100 *2,400	*1100 *2,400	14 340 570
3000 mm 120 in	kg lb			*4700 *11,850	*4700 *11,850	*6750 *14,450	*6750 *14,450	*5000 *10,750	5000 *10,750	*4100 *8,800	3600 7,750	*1150 *2,500	1150 2,500	14 550 580
1500 mm 60 in	kg lb					*6750 *16,000	6350 13,800	*5900 *12,750	4400 9,500	*4650 *10,050	3250 7,000	*1200 *2,600	1100 2,400	14 600 580
0 mm 0 in	kg lb			*2000 *4,550	*2000 *4,550	*4650 *10,700	*4650 *10,700	*6650 *14,350	3950 8,550	4950 10,650	2950 6,400	*1250 *2,750	1100 2,350	14 490 570
-1500 mm -60 in	kg lb	*2100 *4,600	*2100 *4,600	*2700 *6,100	*2700 *6,100	*4650 *10,500	*4650 *10,500	6500 13,950	3700 7,950	4750 10,150	2750 5,950	*1350 *3,000	1100 2,350	14 230 560
-3000 mm -120 in	kg lb	*2850 *6,350	*2850 *6,350	*3550 *7,900	*3550 *7,900	*5200 *11,750	*5200 11,450	6350 13,600	3550 7,650	4600 9,900	2650 5,700	*1500 *3,300	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 13,500	3550 7,600	4550 9,750	2600 5,600	*1700 *3,750	1200 2,650	13 170 520
-6000 mm -240 in	kg lb	*4550 *10,150	*4550 *10,150	*5400 *12,150	*5400 *12,150	*7200 *16,350	5450 11,750	6350 13,600	3550 7,650	4550 9,800	2600 5,600	*2000 *4,450	1350 3,000	12 340 490
-7500 mm -300 in	kg lb	*5500 *12,250	*5500 *12,250	*6600 *14,800	*6600 *14,800	*8300 *17,800	5650 12,200	*6450 *13,850	3700 7,900	4650 10,000	2700 5,750	*2500 *5,650	1600 3,550	11 240 440
-9000 mm -360 in	kg lb			*7950 *18,000	*7950 *18,000	*7050 *14,950	5950 12,800	*5550 *11,800	3850 8,350	*4500 *9,500	2800 6,100	*3100 *6,800	2000 4,550	9800 380



ISO 10567



\*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.

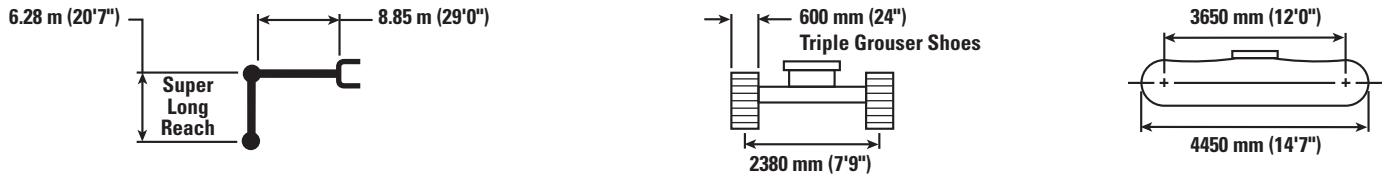
Lift capacity stays with ±5% for all available track shoes.












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

(continued on next page)

# 320 Hydraulic Excavator Specifications

## Super Long Reach Boom Lift Capacities – Counterweight: 4.7 mt (10,400 lb) – without Bucket, Heavy Lift: On (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									*1250 *2,800	*1250 *2,800	10 350 400
10 500 mm 420 in	kg lb			*2350 *4,700	*2350 *4,700					*1200 *2,600	*1200 *2,600	11 660 460
9000 mm 360 in	kg lb			*2450 *5,450	*2450 5,400	*2000 *3,650	1900 *3,650			*1150 *2,450	*1150 *2,450	12 660 500
7500 mm 300 in	kg lb			*2550 *5,550	2500 5,300	*2500 *5,400	1900 4,050			*1100 *2,400	*1100 *2,400	13 410 530
6000 mm 240 in	kg lb			*2700 *5,900	2400 5,100	*2600 *5,700	1850 3,900	*1850 *3,250	1450 3,000	*1100 *2,400	*1100 *2,400	13 970 550
4500 mm 180 in	kg lb	*3150 *6,850	2950 6,300	*2900 *6,300	2250 4,850	*2750 *5,950	1750 3,750	2300 *4,600	1400 2,950	*1100 *2,400	*1100 *2,400	14 340 570
3000 mm 120 in	kg lb	*3500 *7,600	2750 5,850	*3150 *6,850	2100 4,550	2700 5,800	1700 3,550	2200 4,750	1350 2,850	*1150 *2,500	*1150 *2,500	14 550 580
1500 mm 60 in	kg lb	*3900 *8,400	2500 5,400	3200 6,900	2000 4,250	2600 5,600	1600 3,350	2150 4,600	1300 2,700	*1200 *2,600	1100 2,400	14 600 580
0 mm 0 in	kg lb	3850 8,250	2300 4,950	3100 6,600	1850 3,950	2550 5,400	1500 3,200	2100 4,500	1250 2,600	*1250 *2,750	1100 2,350	14 490 570
-1500 mm -60 in	kg lb	3700 7,900	2150 4,650	2950 6,350	1750 3,750	2450 5,250	1450 3,050	2050 4,400	1200 2,500	*1350 *3,000	1100 2,350	14 230 560
-3000 mm -120 in	kg lb	3600 7,700	2100 4,450	2900 6,200	1700 3,600	2400 5,150	1400 2,950	2050 *3,650	1150 2,500	*1500 *3,300	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			*1700 *3,750	1200 2,650	13 170 520
-6000 mm -240 in	kg lb	3550 7,600	2050 4,350	2850 6,150	1650 3,550	2400 *5,150	1400 3,000			*2000 *4,450	1350 3,000	12 340 490
-7500 mm -300 in	kg lb	3600 7,750	2100 4,500	2950 6,350	1700 3,700					*2500 *5,650	1600 3,550	11 240 440
-9000 mm -360 in	kg lb	*3600 *7,500	2250 4,800							*3100 *6,800	2000 4,550	9800 380



ISO 10567



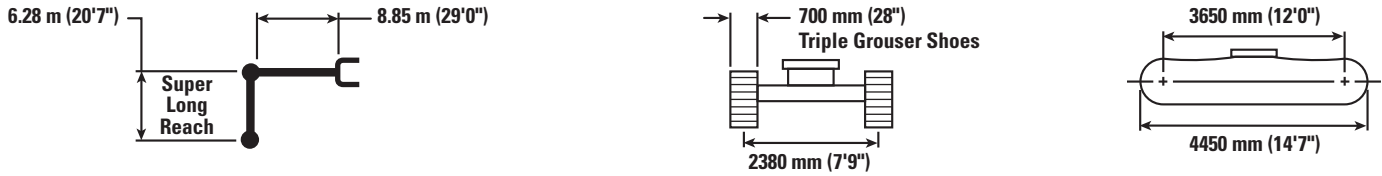
\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

## Super Long Reach 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											*1250 *2,800	*1250 *2,800	10 350 400
10 500 mm 420 in	kg lb											*1200 *2,600	*1200 *2,600	11 660 460
9000 mm 360 in	kg lb											*1150 *2,450	*1150 *2,450	12 660 500
7500 mm 300 in	kg lb											*1100 *2,400	*1100 *2,400	13 410 530
6000 mm 240 in	kg lb											*1100 *2,400	*1100 *2,400	13 970 550
4500 mm 180 in	kg lb											*1100 *2,400	*1100 *2,400	14 340 570
3000 mm 120 in	kg lb			*4700 *11,850	*4700 *11,850	*6050 *12,950	*6050 *12,950	*4450 *9,600	*4450 *9,600	*3650 *7,850	*3650 *7,850	*1150 *2,500	*1150 *2,500	14 550 580
1500 mm 60 in	kg lb					*6750 *16,000	6500 14,000	*5250 *11,350	4500 9,650	*4150 *8,900	3300 7,150	*1200 *2,600	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 *12,750	4050 8,700	*4550 *9,850	3050 6,500	*1250 *2,750	1100 2,400	14 490 570
-1500 mm -60 in	kg lb	*2100 *4,600	*2100 *4,600	*2700 *6,100	*2700 *6,100	*4650 *10,500	*4650 *10,500	*6300 *13,650	3750 8,100	4800 10,350	2850 6,050	*1350 *3,000	1100 2,450	14 230 560
-3000 mm -120 in	kg lb	*2850 *6,350	*2850 *6,350	*3550 *7,900	*3550 *7,900	*5200 *11,750	*5200 11,650	6450 13,850	3650 7,800	4700 10,050	2700 5,800	*1500 *3,300	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	5450 11,750	6400 13,800	3600 7,750	4650 9,950	2650 5,700	*1700 *3,750	1250 2,750	13 170 520
-6000 mm -240 in	kg lb	*4550 *10,150	*4550 *10,150	*5400 *12,150	*5400 *12,150	*7200 *16,350	5600 12,000	*6200 *13,350	3650 7,850	4650 10,000	2650 5,750	*2000 *4,450	1400 3,050	12 340 490
-7500 mm -300 in	kg lb	*5500 *12,250	*5500 *12,250	*6600 *14,800	*6600 *14,800	*7350 *15,750	5750 12,400	*5700 *12,250	3750 8,050	*4600 *9,850	2750 5,900	*2500 *5,650	1650 3,600	11 240 440
-9000 mm -360 in	kg lb			*7950 *17,650	*7950 *17,650	*6200 *13,200	6050 13,050	*4900 *10,400	3950 8,500	*3950 *8,350	2900 6,200	*2700 *5,950	2050 4,650	9800 380



ISO 10567



\*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.

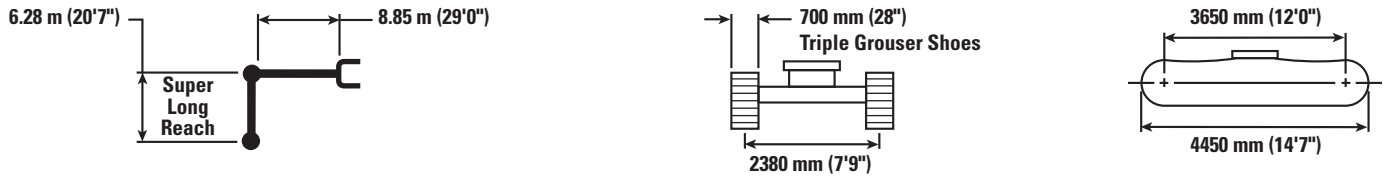
Lift capacity stays with ±5% for all available track shoes.










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

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# 320 Hydraulic Excavator Specifications

## Super Long Reach 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									*1250 *2,800	*1250 *2,800	10 350 400
10 500 mm 420 in	kg lb			*2200 *4,700	*2200 *4,700					*1200 *2,600	*1200 *2,600	11 660 460
9000 mm 360 in	kg lb			*2200 *4,800	*2200 *4,800	*2000 *3,650	1950 *3,650			*1150 *2,450	*1150 *2,450	12 660 500
7500 mm 300 in	kg lb			*2250 *4,950	*2250 *4,950	*2250 *4,900	1950 4,100			*1100 *2,400	*1100 *2,400	13 410 530
6000 mm 240 in	kg lb			*2400 *5,200	*2400 5,200	*2300 *5,000	1900 4,000	*1850 *3,250	1450 3,050	*1100 *2,400	*1100 *2,400	13 970 550
4500 mm 180 in	kg lb	*2800 *6,100	*2800 *6,100	*2600 *5,600	2300 4,900	*2400 *5,250	1800 3,850	*2300 *4,600	1400 3,000	*1100 *2,400	*1100 *2,400	14 340 570
3000 mm 120 in	kg lb	*3150 *6,750	2750 5,950	*2800 *6,050	2150 4,600	*2550 *5,550	1700 3,650	2250 4,850	1350 2,900	*1150 *2,500	*1150 *2,500	14 550 580
1500 mm 60 in	kg lb	*3450 *7,450	2550 5,500	*3000 *6,500	2000 4,300	2650 5,700	1600 3,450	2200 4,700	1300 2,750	*1200 *2,600	1100 2,450	14 600 580
0 mm 0 in	kg lb	*3750 *8,100	2350 5,050	3150 6,750	1900 4,050	2550 5,500	1550 3,250	2150 4,600	1250 2,650	*1250 *2,750	1100 2,400	14 490 570
-1500 mm -60 in	kg lb	3750 8,050	2200 4,750	3050 6,500	1800 3,800	2500 5,350	1450 3,100	2100 4,500	1200 2,600	*1350 *3,000	1100 2,450	14 230 560
-3000 mm -180 in	kg lb	3650 7,850	2100 4,550	2950 6,350	1700 3,650	2450 5,250	1400 3,000	2100 *3,650	1200 2,550	*1500 *3,300	1150 2,550	13 790 550
-4500 mm -180 in	kg lb	3600 7,750	2100 4,450	2900 6,250	1700 3,600	2450 5,250	1400 3,000			*1700 *3,750	1250 2,750	13 170 520
-6000 mm -240 in	kg lb	3600 7,750	2100 4,450	2950 6,300	1700 3,650	2450 *5,150	1450 3,100			*2000 *4,450	1400 3,050	12 340 490
-7500 mm -300 in	kg lb	3650 7,900	2150 4,600	3000 6,450	1750 3,800					*2500 *5,650	1650 3,600	11 240 440
-9000 mm -360 in	kg lb	*3150 *6,550	2250 4,900							*2700 *5,950	2050 4,650	9800 380



ISO 10567



\*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.

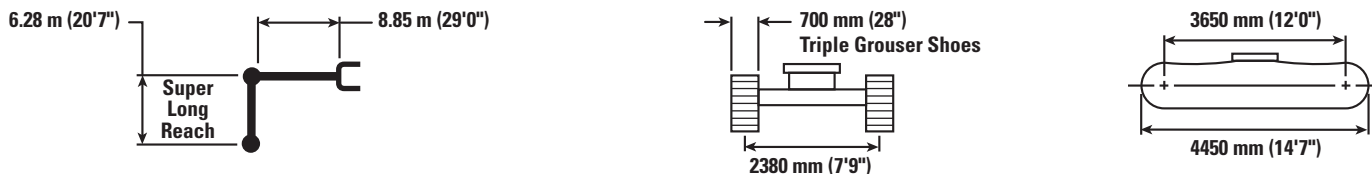
Lift capacity stays with ±5% for all available track shoes.

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



# 320 Hydraulic Excavator Specifications

## Super Long Reach Boom Lift Capacities – Counterweight: 4.7 mt (10,400 lb) – without Bucket, Heavy Lift: On



Reach mm in	kg lb	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
		kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	
12 000 mm 480 in	kg lb											*1250 *2,800	*1250 *2,800	10 350 400
10 500 mm 420 in	kg lb											*1200 *2,600	*1200 *2,600	11 660 460
9000 mm 360 in	kg lb											*1150 *2,450	*1150 *2,450	12 660 500
7500 mm 300 in	kg lb											*1100 *2,400	*1100 *2,400	13 410 530
6000 mm 240 in	kg lb											*1100 *2,400	*1100 *2,400	13 970 550
4500 mm 180 in	kg lb											*1100 *2,400	*1100 *2,400	14 340 570
3000 mm 120 in	kg lb			*4700 *11,850	*4700 *11,850	*6750 *14,450	*6750 *14,450	*5000 *10,750	*5000 *10,750	*4100 *8,800	3650 7,850	*1150 *2,500	*1150 *2,500	14 550 580
1500 mm 60 in	kg lb					*6750 *16,000	6500 14,000	*5900 *12,750	4500 9,650	*4650 *10,050	3300 7,150	*1200 *2,600	1100 2,450	14 600 580
0 mm 0 in	kg lb			*2000 *4,550	*2000 *4,550	*4650 *10,700	*4650 *10,700	*6650 *14,350	4050 8,700	5050 10,850	3050 6,500	*1250 *2,750	1100 2,400	14 490 570
-1500 mm -60 in	kg lb	*2100 *4,600	*2100 *4,600	*2700 *6,100	*2700 *6,100	*4650 *10,500	*4650 *10,500	6600 14,200	3750 8,100	4800 10,350	2850 6,050	*1350 *3,000	1100 2,450	14 230 560
-3000 mm -120 in	kg lb	*2850 *6,350	*2850 *6,350	*3550 *7,900	*3550 *7,900	*5200 *11,750	*5200 11,650	6450 13,850	3650 7,800	4700 10,050	2700 5,800	*1500 *3,300	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	5450 11,750	6400 13,800	3600 7,750	4650 9,950	2650 5,700	*1700 *3,750	1250 2,750	13 170 520
-6000 mm -240 in	kg lb	*4550 *10,150	*4550 *10,150	*5400 *12,150	*5400 *12,150	*7200 *16,350	5600 12,000	6450 13,900	3650 7,850	4650 10,000	2650 5,750	*2000 *4,450	1400 3,050	12 340 490
-7500 mm -300 in	kg lb	*5500 *12,250	*5500 *12,250	*6600 *14,800	*6600 *14,800	*8300 *17,800	5750 12,400	*6450 *13,850	3750 8,050	4700 10,150	2750 5,900	*2500 *5,650	1650 3,600	11 240 440
-9000 mm -360 in	kg lb			*7950 *18,000	*7950 *18,000	*7050 *14,950	6050 13,050	*5550 *11,800	3950 8,500	*4500 *9,500	2900 6,200	*3100 *6,800	2050 4,650	9800 380



ISO 10567



\*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.

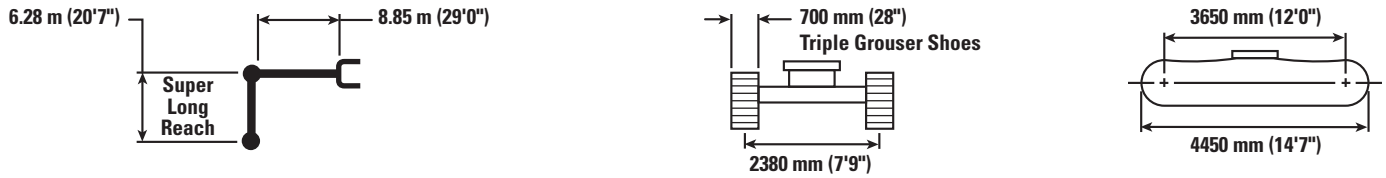
Lift capacity stays with ±5% for all available track shoes.












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

(continued on next page)

# 320 Hydraulic Excavator Specifications

## Super Long Reach Boom Lift Capacities – Counterweight: 4.7 mt (10,400 lb) – without Bucket, Heavy Lift: On (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									*1250 *2,800	*1250 *2,800	10 350 400
10 500 mm 420 in	kg lb			*2350 *4,700	*2350 *4,700					*1200 *2,600	*1200 *2,600	11 660 460
9000 mm 360 in	kg lb			*2450 *5,450	*2450 *5,450	*2000 *3,650	1950 *3,650			*1150 *2,450	*1150 *2,450	12 660 500
7500 mm 300 in	kg lb			*2550 *5,550	2500 5,350	*2500 *5,400	1950 4,100			*1100 *2,400	*1100 *2,400	13 410 530
6000 mm 240 in	kg lb			*2700 *5,900	2400 5,200	*2600 *5,700	1900 4,000	*1850 *3,250	1450 3,050	*1100 *2,400	*1100 *2,400	13 970 550
4500 mm 180 in	kg lb	*3150 *6,850	3000 6,400	*2900 *6,300	2300 4,900	*2750 *5,950	1800 3,850	2300 *4,600	1400 3,000	*1100 *2,400	*1100 *2,400	14 340 570
3000 mm 120 in	kg lb	*3500 *7,600	2750 5,950	*3150 *6,850	2150 4,600	2750 5,900	1700 3,650	2250 4,850	1350 2,900	*1150 *2,500	*1150 *2,500	14 550 580
1500 mm 60 in	kg lb	*3900 *8,400	2550 5,500	3250 7,000	2000 4,300	2650 5,700	1600 3,450	2200 4,700	1300 2,750	*1200 *2,600	1100 2,450	14 600 580
0 mm 0 in	kg lb	3900 8,400	2350 5,050	3150 6,750	1900 4,050	2550 5,500	1550 3,250	2150 4,600	1250 2,650	*1250 *2,750	1100 2,400	14 490 570
-1500 mm -60 in	kg lb	3750 8,050	2200 4,750	3050 6,500	1800 3,800	2500 5,350	1450 3,100	2100 4,500	1200 2,600	*1350 *3,000	1100 2,450	14 230 560
-3000 mm -120 in	kg lb	3650 7,850	2100 4,550	2950 6,350	1700 3,650	2450 5,250	1400 3,000	2100 *3,650	1200 2,550	*1500 *3,300	1150 2,550	13 790 550
-4500 mm -180 in	kg lb	3600 7,750	2100 4,450	2900 6,250	1700 3,600	2450 5,250	1400 3,000			*1700 *3,750	1250 2,750	13 170 520
-6000 mm -240 in	kg lb	3600 7,750	2100 4,450	2950 6,300	1700 3,650	2450 *5,150	1450 3,100			*2000 *4,450	1400 3,050	12 340 490
-7500 mm -300 in	kg lb	3650 7,900	2150 4,600	3000 6,450	1750 3,800					*2500 *5,650	1650 3,600	11 240 440
-9000 mm -360 in	kg lb	*3600 *7,500	2250 4,900							*3100 *6,800	2050 4,650	9800 380



ISO 10567



\*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 – 320

	Linkage	Width		Capacity		Weight		Fill %	4.2 mt (9,300 lb) Counterweight	4.7 mt (10,400 lb) Counterweight
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb		Reach Boom	SLR Boom
									R2.9 (9'6")	6.28A (20'7")
<b>Pin-On (No Quick Coupler)</b>										
General Duty (GD) (No Adjuster)	B	600	24	0.46	0.61	546	1,204	100	●	
	B	750	30	0.64	0.84	617	1,361	100	●	
	B	1000	39	0.93	1.22	710	1,566	100	●	
	B	1050	42	1.00	1.31	731	1,611	100	●	
	B	1200	48	1.19	1.56	799	1,761	100	⊙	
	B	1400	55	1.43	1.87	866	1,909	100	X	
Heavy Duty (HD) (No Adjuster)	B	600	24	0.46	0.61	629	1,386	100	●	
	B	750	30	0.64	0.84	728	1,605	100	●	
	B	900	36	0.81	1.06	806	1,775	100	●	
	B	1050	42	1.00	1.31	860	1,895	100	●	
	B	1200	48	1.19	1.56	916	2,018	100	⊙	
	B	1350	54	1.38	1.81	1018	2,244	100	X	
Severe Duty (SD) – (No Adjuster)	B	900	36	0.81	1.06	868	1,913	90	●	
	B	1800	72	1.60	2.09	1021	2,251	100	○	
Mud/Cleanup (M/CU)	B	2000	78	1.76	2.31	1088	2,399	100	◇	
	B	1800	72	1.40	1.83	1148	2,531	100	○	
Ditch Cleaning – Tilt (DCT)	B	1800	72	1.40	1.83	1148	2,531	100	○	
General Duty (GD)	312	900	36	0.53	0.69	403	888	100		◇
Ditch Cleaning (DC) Long Reach	312	1200	48	0.57	0.74	386	851	100		◇
Maximum load with pin-on (payload + bucket)								kg	3010	800
								lb	6,636	1,764

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

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

### Maximum Material Density:

- 2100 kg/m<sup>3</sup> (3,500 lb/yd<sup>3</sup>)
- ⊙ 1800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)
- 1200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)
- ◇ 900 kg/m<sup>3</sup> (1,500 lb/yd<sup>3</sup>)
- X Not Recommended

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

# 320 Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility – 320

	Linkage	Width		Capacity		Weight		Fill	4.2 mt (9,300 lb) Counterweight	4.7 mt (10,400 lb) Counterweight
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb		Reach Boom	SLR Boom
									R2.9 (9'6")	6.28A (20'7")
<b>With Cat Pin Grabber Coupler</b>										
General Duty (GD) (No Adjuster)	B	600	24	0.46	0.61	546	1,204	100	●	
	B	750	30	0.64	0.84	617	1,361	100	●	
	B	1000	39	0.93	1.22	710	1,566	100	●	
	B	1050	42	1.00	1.31	731	1,611	100	⊙	
	B	1200	48	1.19	1.56	799	1,761	100	⊖	
	B	1400	55	1.43	1.87	866	1,909	100	○	
Heavy Duty (HD) (No Adjuster)	B	600	24	0.46	0.61	629	1,386	100	●	
	B	750	30	0.64	0.84	728	1,605	100	●	
	B	900	36	0.81	1.06	806	1,775	100	●	
	B	1050	42	1.00	1.31	860	1,895	100	⊙	
	B	1200	48	1.19	1.56	916	2,018	100	⊖	
	B	1350	54	1.38	1.81	1018	2,244	100	○	
Severe Duty (SD)	B	900	36	0.81	1.06	868	1,913	90	●	
	B	1800	72	1.60	2.09	1021	2,251	100	◇	
Mud/Cleanup (M/CU)	B	2000	78	1.76	2.31	1088	2,399	100	◇	
	B	1800	72	1.40	1.83	1148	2,531	100	◇	
Ditch Cleaning – Tilt (DCT)	B	1800	72	1.40	1.83	1148	2,531	100	◇	
Maximum load with coupler (payload + bucket)								kg	2588	378
								lb	5,706	834

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

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

### Maximum Material Density:

- 2100 kg/m<sup>3</sup> (3,500 lb/yd<sup>3</sup>)
- ⊙ 1800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)
- ⊖ 1500 kg/m<sup>3</sup> (2,500 lb/yd<sup>3</sup>)
- 1200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)
- ◇ 900 kg/m<sup>3</sup> (1,500 lb/yd<sup>3</sup>)

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

# 320 Hydraulic Excavator Specifications

## Work Tool Offering Guide\*

Boom Type		Reach Boom
Stick Size		R2.9 (9'6")
Undercarriage		Long/4.2 mt (9,300 lb) Counterweight
Hydraulic Hammer	H115Es	●
Demolition and Sorting Grapple	G320B-D/R	●
Scrap and Demolition Shear	S2050	●
Orange Peel Grapple		
Trash Grapple		
Thumbs		
Rakes		
Pin Grabber Coupler	Cat PG	

These work tools are available for the 320.  
Consult your Cat dealer for proper match.

\*Offerings not available in all areas. Matches are dependent on excavator configurations. Consult your Cat dealer to determine what is offered in your area and for proper work tool match.

● Match

# 320 Standard and Optional Equipment

## Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
<b>ENGINE</b>			<b>UNDERCARRIAGE AND STRUCTURES</b>		
Cat C4.4 ACERT Twin Turbo Tier 4 Final diesel engine	✓		Tie-down points on base frame (ISO 15818:2017 compliant)	✓	
Three selectable power modes	✓		Track guiding guard, segmented two pieces	✓	
One-touch low idle with automatic engine speed control	✓		Track guiding guard, full length		✓
Automatic engine idle shutdown	✓		Heavy duty bottom guides		✓
Work up to 3000 m (9,840 ft) above sea level without engine power de-rating	✓		Heavy duty travel motor guides		✓
52° C (125° F) high-ambient cooling capacity	✓		Standard bottom guards	✓	
Cold starting capability for -32° C (-25° F)	✓		Standard swivel guard	✓	
Double element air filter with integrated precleaner	✓		Standard travel motor guards	✓	
Electric fuel priming pump	✓		Grease lubricated track links	✓	
Reversible electric cooling fans	✓		4200 kg (9,300 lb) counterweight	✓	
Biodiesel capability up to B20	✓		4700 kg (10,400 lb) counterweight for Super Long Reach		✓
<b>HYDRAULIC SYSTEM</b>			Semi-HD swing frame	✓	
Boom and stick regeneration circuits	✓		Standard swing bearing	✓	
Boom/stick lowering check valves (BLCV/SLCV)		✓	Standard base frame with HD track rollers and standard carrier rollers	✓	
Heavy lift configuration		✓	Final drive with standard travel motor	✓	
Electronic main control valve	✓		<b>BOOM, STICKS AND LINKAGES</b>		
Auto hydraulic oil warm up	✓		600 mm (24") triple grouser track shoes	✓	
Automatic two-speed travel	✓		700 mm (28") triple grouser track shoes		✓
Boom and stick drift reduction valve	✓		5.7 m (18'8") Reach boom	✓	
Element type main hydraulic filter	✓		2.9 m (9'6") stick	✓	
Slider joysticks	✓		Super Long Reach 8.85 m (29'0") boom		✓
Tandem type electronic main pump	✓		Super Long Reach 6.28 m (20'7") stick		✓
Hammer return filter circuit		✓	Bucket linkage, B1-family with lifting eye	✓	
Combined flow/high pressure auxiliary circuit		✓	Bucket linkage, A-family without lifting eye, SLR		✓
Medium pressure auxiliary circuit		✓			
Quick coupler circuit for Cat Pin Grabber and CW Dedicated		✓			
Fine swing control	✓				

(continued on next page)

## Standard and Optional Equipment (continued)

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

	Standard	Optional		Standard	Optional
<b>ELECTRICAL SYSTEM</b>			<b>SERVICE AND MAINTENANCE</b>		
Machine electronic control module (×2)	✓		Sampling ports for Scheduled Oil Sampling (S·O·S <sup>SM</sup> )	✓	
1,000 CCA maintenance-free batteries (×2)	✓		Preventative maintenance ready (QuickEvac <sup>TM</sup> )		✓
Centralized electrical disconnect switch	✓		Grouped location for engine oil and fuel filters	✓	
Programmable time-delay LED working lights	✓		Ground level second dipstick for engine oil	✓	
LED chassis light, LH and RH boom lights for Reach and SLR, cab lights with cover and rain protector – 850 lumens, for use with 360° visibility		✓	Remote flash	✓	
LED chassis light, LH and RH boom lights for Reach and SLR, cab lights – 850 lumens	✓		<b>SAFETY AND SECURITY</b>		
<b>CAT CONNECT TECHNOLOGY</b>			Rearview camera and side RH mirror	✓	
Cat Product Link <sup>TM</sup>	✓		360° visibility		✓
Cat GRADE with 2D (not available on SLR)	✓		Neutral lever (lock out) for all controls	✓	
Cat GRADE with Advanced 2D (not available on SLR)		✓	Anti-skid plate and countersunk bolts on service platform	✓	
Cat GRADE with 3D (not available on SLR)		✓	Ground-level accessible secondary engine shutoff switch in cab	✓	
Cat Assist:	✓		Radiator screen		✓
– Boom Assist			Bluetooth <sup>®</sup> receiver	✓	
– Bucket Assist			RH handrail and hand hold (ISO 2867:2011 compliant)	✓	
– Swing Assist			Travel alarm	✓	
– Grade Assist					
Cat Payload:	✓				
– Payload Information					
– Static Weigh					
– Auto Calibration					

## 320 Attachments

### Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

#### CAB

- Radial lower wiper for 70/30 with washer
- RH electrical pedal for tool control
- Rain protector plus cab light cover
- Seat belt, retractable (75 mm/3 in width)

#### SAFETY AND SECURITY

- Bluetooth key fob

#### ELECTRICAL

- Jump start wiring
- LED premium lighting package

#### GUARDS

- Side rubber bumper
- FOGS (not compatible with cab light cover, rain protector)
- Mesh guard full front (not compatible with cab light cover, rain protector)
- Full protecting vandalism guard

# 320 Cab Options

## Cab Options

	Deluxe
ROPS, standard sound suppression	●
High-resolution 203 mm (8 in) LCD touch screen monitor	●
High-resolution 203 mm (8 in) LCD touch screen monitor + additional monitor (only for use with Cat GRADE with Advanced 2D or Cat GRADE with 3D)	○
High-resolution 254 mm (10 in) LCD touch screen monitor (only for use with 360° visibility)	○
High-resolution 254 mm (10 in) LCD touch screen monitor + additional monitor (only for use with 360° visibility and Cat GRADE with Advanced 2D or Cat GRADE with 3D)	○
Automatic 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	●
Air-adjustable seat suspension	●
51 mm (2 in) seat belt	●
Seat heater	●
Tilt-up left-side console	●
Bluetooth integrated radio with USB ports	●
2×12V DC outlets	●
Document storage	●
Cup and bottle holders	●
Two-piece front window, openable	●
Upper radial wiper with 70/30 with washer	●
Polycarbonate skylight hatch, openable	●
LED dome and lower interior lights	●
Roller front sunscreen	●
Roller rear sunscreen	○
Rain protector and cab light covers (only for use with 360° visibility)	●
Beacon ready	●
Washable floor mat	●
Storage tray in pump compartment	●
Straight travel pedal	●

● Standard

○ Optional

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Replaces AEXQ2211  
Build Number: 07A  
(ANZ)

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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