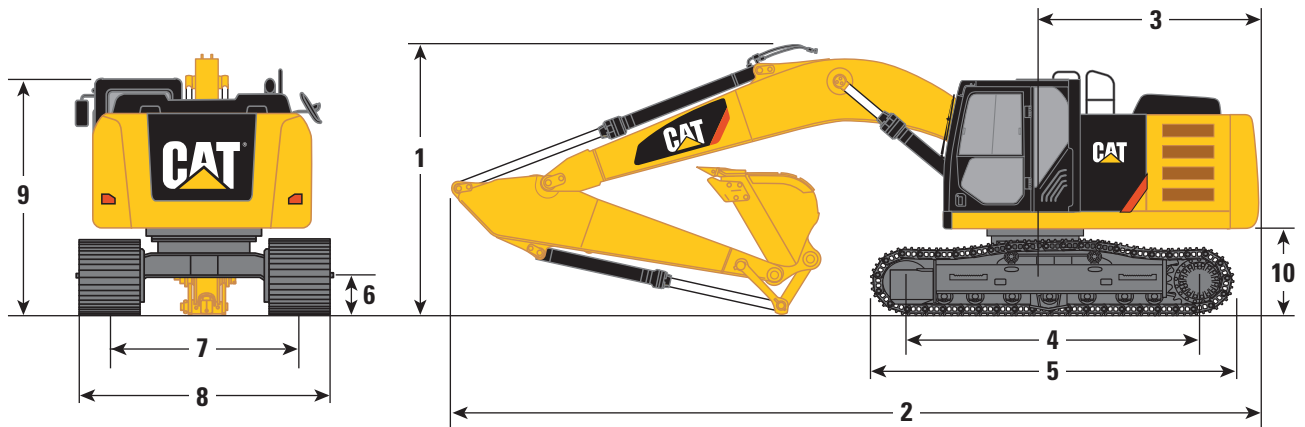


320E L Hydraulic Excavator

Dimensions

All dimensions are approximate.



Stick	Heavy Duty and Extreme Service Booms 5.7 m (18'8")		Super Long Reach Boom 8.85 m (29'0")
	3.9B1 (12'10")*	2.9B1 (9'6")**	Super Long Reach 6.28 m (20'6")***
	mm (ft)	mm (ft)	mm (ft)
1 Shipping Height†	3740 (12'3")	3130 (10'4")	3180 (10'4")
Shipping Height with Guard Rail	3240 (10'8")	3240 (10'8")	3240 (10'8")
Shipping Height with Top Guard	3150 (10'3")	3150 (10'3")	3150 (10'3")
2 Shipping Length	9340 (30'8")	9540 (31'4")	12 750 (41'10")
3 Tail Swing Radius	2830 (9'3")	2830 (9'3")	2830 (9'3")
4 Length to Center of Rollers	3650 (12'0")	3650 (12'0")	3650 (12'0")
5 Track Length	4460 (14'6")	4460 (14'6")	4460 (14'6")
6 Ground Clearance	450 (1'6")	450 (1'6")	450 (1'6")
7 Track Gauge	2380 (7'10")	2380 (7'10")	2380 (7'10")
8 Transport Width			
600 mm (24") Shoes	2980 (9'9")	2980 (9'9")	2980 (9'9")
790 mm (31") Shoes	3170 (10'5")	3170 (10'5")	3170 (10'5")
9 Cab Height	2960 (9'9")	2960 (9'9")	2960 (9'9")
Cab Height with Top Guard	3150 (10'3")	3150 (10'3")	3150 (10'3")
10 Counterweight Clearance††	1020 (3'4")	1020 (3'4")	1020 (3'4")

*Cat 900 mm (36"), 0.81 m³ (1.06 yd³) GD bucket with 1557 mm (5'1") tip radius.

**Cat 1200 mm (48"), 1.19 m³ (1.56 yd³) HD bucket with 1571 mm (5'2") tip radius.

***Cat 1100 mm (44"), 0.61 m³ (0.8 yd³) ditch cleaning bucket with 1092 mm (3'7") tip radius.

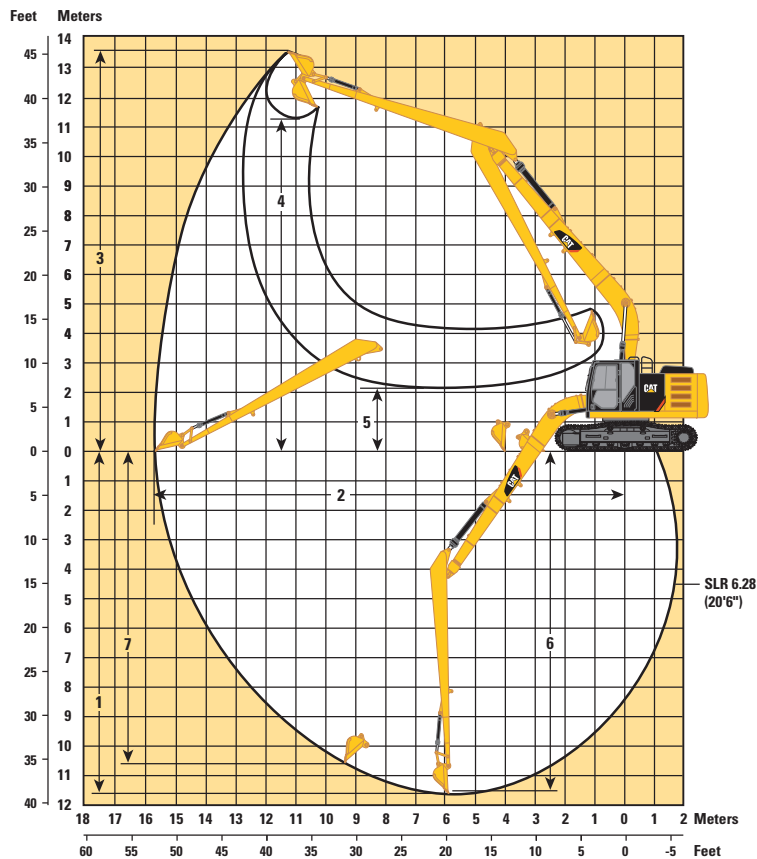
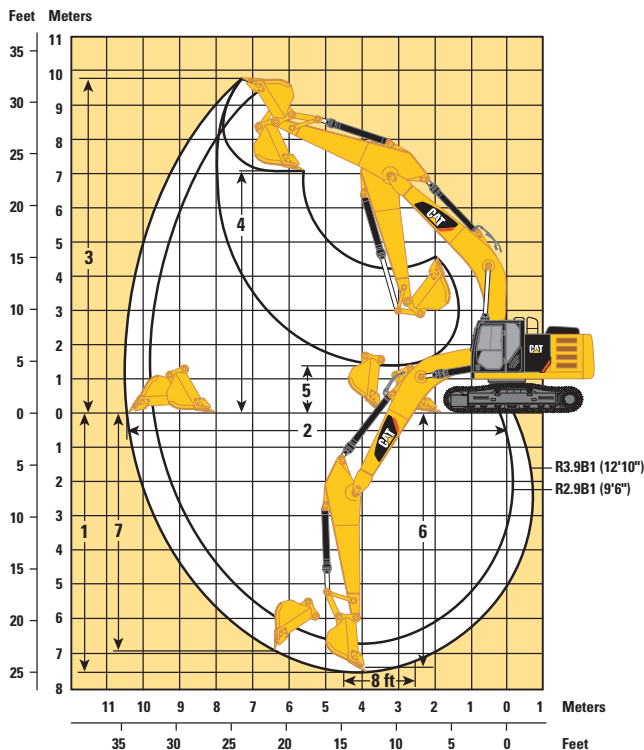
†Including shoe lug height without guard rail.

††Without shoe lug height.

320E L Hydraulic Excavator

Working Ranges

All dimensions are approximate.



Heavy Duty and Extreme Service Booms 5.7 m (18'8")

Super Long Reach Boom 8.85 m (29'0")

Stick	3.9B1 (12'10")*	2.9B1 (9'6")**	Super Long Reach 6.28 m (20'6")***
	mm (ft)	mm (ft)	mm (ft)
1 Maximum Digging Depth	7580 (24'10")	6720 (22'1")	11 690 (38'4")
2 Maximum Reach at Ground Level	10 680 (35'0")	9860 (30'9")	15 720 (51'6")
3 Maximum Cutting Height	9890 (32'4")	9370 (30'7")	13 590 (44'6")
4 Maximum Loading Height	7030 (23'0")	6490 (21'4")	11 290 (37'0")
5 Minimum Loading Height	1310 (4'4")	2170 (7'1")	2090 (6'9")
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	7440 (24'4")	6550 (21'6")	11 590 (38'0")
7 Maximum Vertical Wall Digging Depth	6910 (22'7")	5060 (16'7")	10 670 (35'0")

*Cat 900 mm (36"), 0.81 m³ (1.06 yd³) GD bucket with 1557 mm (5'1") tip radius.

**Cat 1200 mm (48"), 1.19 m³ (1.56 yd³) HD bucket with 1571 mm (5'2") tip radius.

***Cat 1100 mm (44"), 0.61 m³ (0.8 yd³) ditch cleaning bucket with 1092 mm (3'7") tip radius.

320E L Hydraulic Excavator

Major Component Weights

	kg	lb
Base Machine (with boom cylinder, without counterweight, front linkage and track)	11 300	24,920
Long Undercarriage	7850	17,300
Counterweight		
3.55 mt (3.9 ton) Standard	3550	7,830
4.6 mt (5.1 ton) Super Long Reach	4600	10,140
5.4 mt (5.9 ton) Heavy	5400	11,910
Boom (includes lines, pins and stick cylinder)		
Boom HD – 5.7 m (18'8")	1720	3,790
Boom ES – 5.7 m (18'8")	2010	4,430
Boom HD for CGC – 5.7 m (18'8")	1730	3,810
Boom ES for CGC – 5.7 m (18'8")	2020	4,450
Super Long Reach – 8.85 m (29'0")	2400	5,290
Stick (includes lines, pins and bucket cylinder)		
3.9B1 (12'10") HD	930	2,060
2.9B1 (9'6") HD	680	1,510
2.9B1 (9'6") ES	840	1,850
2.9B1 (9'6") HD for CGC	690	1,530
2.9B1 (9'6") ES for CGC	850	1,870
Super Long Reach	1240	2,740
Track Shoe (Long/per two tracks)		
600 mm (24") Triple Grouser	2700	5,940
790 mm (31") Triple Grouser	3360	7,410
790 mm (31") Triple Grouser HD	3800	8,370
Quick Coupler		
Center-Lock 252	420	920
Buckets		
B1 900 mm (36") GD 347-6707 SAE 0.8 m ³ (1.06 yd ³)	650	1,420
B1 1200 mm (48") HD 347-6731 SAE 1.19 m ³ (1.56 yd ³)	930	2,050

All weights are rounded up to nearest 10 kg and lb except for quick coupler and buckets. Kg and lb were rounded up separately so some of the kg and lb do not match. Base machine includes 75 kg (165 lb) operator weight, 90% fuel weight, and undercarriage with center guard.

320E L Hydraulic Excavator

Operating Weight and Ground Pressure

320E L				
	790 mm (31") Triple Grouser Shoes		600 mm (24") Triple Grouser Shoes	
	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
Boom HD – 5.7 m (18'8")				
3.9B1 (12'10") HD	22 200 (48,940)	35.0 (5.08)	21 500 (47,400)	44.7 (6.48)
2.9B1 (9'6") HD	22 200 (48,940)	35.1 (5.10)	21 600 (47,620)	44.9 (6.51)
2.9B1 (9'6") ES	22 400 (49,380)	35.4 (5.13)	21 700 (47,840)	45.2 (6.56)
2.9B1 (9'6") ES with Heavy Counterweight	24 700 (54,450)	38.9 (5.64)		
Boom ES – 5.7 m (18'8")				
3.9B1 (12'10") HD	22 500 (49,600)	35.5 (5.15)	21 800 (48,060)	45.4 (6.58)
2.9B1 (9'6") HD	22 600 (49,820)	35.7 (5.18)	21 900 (48,280)	45.6 (6.61)
2.9B1 (9'6") ES	22 700 (50,040)	35.9 (5.21)	22 100 (48,720)	45.9 (6.66)
Super Long Reach Boom – 8.85 m (29'0")				
6.28 m (20'6") SLR	23 500 (51,810)	37.1 (5.38)	22 800 (50,270)	47.4 (6.87)

Bucket and Stick Forces

Stick	Heavy Duty and Extreme Service Booms 5.7 m (18'8")		Super Long Reach Boom 8.85 m (29'0")
	3.9B1 (12'10")	2.9B1 (9'6")	Super Long Reach 6.28 m (20'6")
B1 – Family Bucket	kN (lbf)	kN (lbf)	kN (lbf)
General Duty			
Bucket Digging Force (SAE)	125.9 (28,300)	125.9 (28,300)	51.2 (11,500)
Stick Digging Force (SAE)	87.8 (19,700)	103.9 (23,400)	35.8 (8,000)
Heavy Duty			
Bucket Digging Force (SAE)	124.4 (28,000)	133.5 (30,000)	
Stick Digging Force (SAE)	87.6 (19,700)	103.2 (23,200)	
Severe Duty			
Bucket Digging Force (SAE)	124.4 (28,000)	133.5 (30,000)	
Stick Digging Force (SAE)	87.6 (19,700)	103.2 (23,200)	

320E L Hydraulic Excavator

HD Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

Boom – 5.7 m (18'8")

















Counterweight – 3.55 mt (3.9 t)

Bucket – None

Stick – 3.9B1 (12'10")

Shoes – 790 mm (31") triple grouser

Heavy Lift Mode On

 7.5 m 25.0 ft kg lb	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		 m ft			
																
7.5 m 25.0 ft														*3000 *6,600	*3000 *6,600	7.32 23.69
6.0 m 20.0 ft									*4550 *9,600	3800 8,150				*2800 *6,150	*2800 *6,150	8.29 27.05
4.5 m 15.0 ft									*4800 *10,550	3750 8,000				*2750 *6,050	*2750 *6,050	8.91 29.17
3.0 m 10.0 ft					*7150 *15,450	*7150 *15,450	*5950 *12,850	5050 10,900	*5300 *11,550	3600 7,750	*3850 *7,150	2700 5,750		*2800 *6,150	2550 5,650	9.25 30.31
1.5 m 5.0 ft			*9800 *23,300	*9800 *23,300	*9300 *20,050	7250 15,600	*7000 *15,150	4800 10,300	5450 11,750	3450 7,400	4150 *8,500	2600 5,600		*2950 *6,450	2450 5,400	9.33 30.60
Ground Line			*8050 *18,450	*8050 *18,450	*10 850 *23,400	6800 14,650	7400 15,950	4550 9,750	5300 11,400	3300 7,150	4100 *7,250	2550 5,500		*3200 *7,050	2500 5,450	9.16 30.05
-1.5 m -5.0 ft		*6050 *13,500	*6050 *13,500	*10 400 *23,550	*10 400 *23,550	*11 500 24,700	6600 14,200	7250 15,600	4400 9,450	5250 11,250	3250 6,950			*3650 *8,000	2650 5,800	8.73 28.61
-3.0 m -10.0 ft		*9400 *21,050	*9400 *21,050	*14 400 *32,750	12 700 27,200	*11 350 *24,550	6550 14,150	7200 15,500	4350 9,400	5250 11,250	3250 6,950			*4450 *9,850	3000 6,600	8.00 26.15
-4.5 m -15.0 ft		*13 650 *30,750	*13 650 *30,750	*14 750 *31,700	12 950 27,750	*12 250 *22,000	6700 14,400	7300 15,750	4450 9,600					6050 *13,450	3750 8,350	6.86 22.30
-6.0 m						*7250 7000								*6400 6200		4.91

Boom – 5.7 m (18'8")















Counterweight – 3.55 mt (3.9 t)

Bucket – None

Stick – 2.9B1 (9'6")

Shoes – 790 mm (31") triple grouser

Heavy Lift Mode On

 7.5 m 25.0 ft kg lb	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		 m ft			
														
7.5 m 25.0 ft								*4950 *4950				*4300 *9,500	*4300 *9,500	6.15 19.78
6.0 m 20.0 ft								*5450 *12,000	5400 11,600			*3950 *8,750	3950 *8,750	7.28 23.71
4.5 m 15.0 ft								*6000 *13,050	5250 11,300	*5650 12,300	3750 8,000	*3900 *8,550	3350 7,450	7.98 26.10
3.0 m 10.0 ft					*8750 *18,850	7650 16,500	*6900 *14,950	5050 10,850	5650 12,100	3650 7,800	*4000 *8,750	3050 6,750		8.35 27.38
1.5 m 5.0 ft					*10 600 *22,900	7150 15,450	7700 16,550	4800 10,350	5500 11,850	3500 7,550	*4200 *9,250	2950 6,500		8.44 27.70
Ground Line			*6600 *15,150	*6600 *15,150	*11 650 *25,200	6900 14,850	7500 16,100	4650 10,000	5400 11,650	3450 7,400	*4650 *10,250	3000 6,600		8.26 27.09
-1.5 m -5.0 ft		*7050 *15,750	*7050 *15,750	*11 400 *25,850	*11 400 *25,850	11 750 25,150	6800 14,650	7400 15,950	4550 9,800	5400 11,600	3400 7,350	5150 11,300	3250 7,150	7.78 25.48
-3.0 m -10.0 ft		*12 100 *27,100	*12 100 *27,100	*15 600 *33,750	13 250 28,350	*11 000 *23,800	6850 14,750	7450 16,000	4600 9,900			6050 13,450	3800 8,450	6.94 22.67
-4.5 m -15.0 ft				*12 450 *26,650	*12 450 *26,650	*8950 *19,050	7050 15,200					*6800 *14,900	5250 11,750	5.60 18.08

*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.

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

320E L Hydraulic Excavator

ES Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

Boom – 5.7 m (18'8")















Counterweight – 3.55 mt (3.9 t)

Bucket – None

Stick – 2.9B1 (9'6")

Shoes – 790 mm (31") triple grouser

Heavy Lift Mode On

		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				
														m ft
7.5 m 25.0 ft	kg lb							*4900 *11,650	*4900 11,450			*4200 *9,350	*4200 *9,350	6.15 19.78
6.0 m 20.0 ft	kg lb							*5300 *11,650	*5300 11,450			*3900 *8,600	3800 8,500	7.28 23.71
4.5 m 15.0 ft	kg lb							*5850 *12,700	5150 11,100	*5450 *12,000	3600 7,700	*3850 *8,400	3250 7,150	7.98 26.10
3.0 m 10.0 ft	kg lb					*8550 *18,350	7500 16,150	*6700 *14,500	4900 10,500	5500 11,850	3500 7,500	*3900 *8,600	2950 6,450	8.35 27.38
1.5 m 5.0 ft	kg lb					*10 300 *22,250	6950 14,950	7550 16,200	4650 9,950	5350 11,550	3350 7,200	*4150 *9,150	2800 6,200	8.44 27.70
Ground Line	kg lb			*6550 *15,000	*6550 *15,000	*11 300 *24,450	6600 14,250	7300 15,700	4450 9,550	5250 11,300	3250 7,000	4600 10,100	2850 6,250	8.26 27.09
-1.5 m -5.0 ft	kg lb	*7000 *15,600	*7000 *15,600	*11 350 *25,700	*11 350 *25,700	*11 400 24,550	6550 14,050	7200 15,500	4350 9,350	5250 11,250	3250 6,950	5000 10,950	3100 6,800	7.78 25.48
-3.0 m -10.0 ft	kg lb	*12 000 *26,950	*12 000 *26,950	*15 150 *32,750	12 800 27,400	*10 650 *23,050	6600 14,150	7250 15,600	4400 9,450			5900 13,050	3650 8,050	6.94 22.67
-4.5 m -15.0 ft	kg lb			*12 050 *25,750	*12 050 *25,750	*8650 *18,400	6800 14,700					*6550 *14,350	5050 11,350	5.60 18.08

*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.

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

320E L Hydraulic Excavator

HD Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

Boom – 5.7 m (18'8")

Counterweight – 5.4 mt (5.9 t)

Bucket – None

Stick – 2.9B1 (9'6") ES

Shoes – 790 mm (31") triple grouser

Heavy Lift Mode On

		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				
														m ft
7.5 m 25.0 ft	kg lb							*4900	*4900			*4200 *9,350	*4200 *9,350	6.15 19.78
6.0 m 20.0 ft	kg lb							*5900 *12,950	*5900 *12,950			*3900 *8,600	*3900 *8,600	7.28 23.71
4.5 m 15.0 ft	kg lb							*6500 *14,100	6350 13,650	*6100 *12,350	4550 9,700	*3850 *8,400	*3850 *8,400	7.98 26.10
3.0 m 10.0 ft	kg lb					*9500 *20,450	9250 19,950	*7450 *16,200	6100 13,150	*6550 *14,200	4400 9,500	*3900 *8,600	3750 8,300	8.35 27.38
1.5 m 5.0 ft	kg lb					*11 500 *24,850	8750 18,850	*8500 *18,400	5850 12,650	6550 14,100	4300 9,250	*4150 *9,150	3650 8,000	8.44 27.70
Ground Line	kg lb			*6550 *15,000	*6550 *15,000	*12 650 *27,350	8450 18,200	8950 19,200	5700 12,250	6450 13,900	4200 9,050	*4600 *10,100	3700 8,150	8.26 27.09
-1.5 m -5.0 ft	kg lb	*7000 *15,600	*7000 *15,600	*11 350 *25,700	*11 350 *25,700	*12 750 *27,650	8400 18,000	8850 19,000	5600 12,100	6450 13,850	4200 9,000	*5400 *11,950	4000 8,800	7.78 25.48
-3.0 m -10.0 ft	kg lb	*12 000 *26,950	*12 000 *26,950	*16 950 *36,700	16 250 34,750	*11 950 *25,850	8450 18,150	*8900 *19,100	5650 12,150			*7000 *15,600	4700 10,350	6.94 22.67
-4.5 m -15.0 ft	kg lb			*13 550 *29,000	*13 550 *29,000	*9750 *20,700	8650 18,600					*7350 *16,150	6400 14,400	5.60 18.08

*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.

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

320E L Hydraulic Excavator

Super Long Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side















Boom – 8.85 m (29'0")

Counterweight – 4.6 mt (5.1 t)

Bucket – None

Stick – 6.28 m (20'6") Super Long Reach

Shoes – 790 mm (31") triple grouser

	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				m ft	
														
12.0 m 40.0 ft	kg lb											*1250 *2,800	*1250 *2,800	10.35 33.31
10.5 m 35.0 ft	kg lb											*1200 *2,600	*1200 *2,600	11.66 37.83
9.0 m 30.0 ft	kg lb											*1150 *2,450	*1150 *2,450	12.66 41.25
7.5 m 25.0 ft	kg lb											*1100 *2,400	*1100 *2,400	13.41 43.83
6.0 m 20.0 ft	kg lb											*1100 *2,400	*1100 *2,400	13.96 45.71
4.5 m 15.0 ft	kg lb											*1100 *2,400	*1100 *2,400	14.34 46.99
3.0 m 10.0 ft	kg lb			*4700 *11,850	*4700 *11,850	*5950 *12,700	*5950 *12,700	*4350 *9,400	*4350 *9,400	*3550 *7,650	*3550 *7,650	*1150 *2,500	*1150 *2,500	14.54 47.71
1.5 m 5.0 ft	kg lb					*6750 *15,750	6500 14,000	*5150 *11,050	4500 9,700	*4000 *8,700	3300 7,150	*1200 *2,600	1100 2,400	14.60 47.89
Ground Line	kg lb			*2000 *4,550	*2000 *4,550	*4650 *10,700	*4650 *10,700	*5750 *12,400	4000 8,650	*4450 *9,550	3000 6,500	*1250 *2,750	1100 2,350	14.49 47.54
-1.5 m -5.0 ft	kg lb	*2050 *4,550	*2050 *4,550	*2700 *6,050	*2700 *6,050	*4650 *10,500	*4650 *10,500	*6100 *13,250	3750 8,000	*4700 *10,200	2800 6,000	*1350 *2,950	1100 2,400	14.22 46.65
-3.0 m -10.0 ft	kg lb	*2850 *6,350	*2850 *6,350	*3500 *7,850	*3500 *7,850	*5200 *11,750	*5200 *11,500	*6250 *13,550	3600 7,700	4700 10,150	2650 5,700	*1500 *3,300	1150 2,500	13.79 45.19
-4.5 m -15.0 ft	kg lb	*3650 *8,150	*3650 *8,150	*4400 *9,900	*4400 *9,900	*6050 *13,700	5400 11,550	*6250 *13,450	3550 7,600	4650 10,000	2600 5,600	*1700 *3,750	1200 2,700	13.17 43.10
-6.0 m -20.0 ft	kg lb	*4550 *10,100	*4550 *10,100	*5400 *12,150	*5400 *12,150	*7200 *16,350	5500 11,850	*6000 *12,900	3600 7,700	4650 10,050	2600 5,650	*2000 *4,450	1350 3,000	12.34 40.27
-7.5 m -25.0 ft	kg lb	*5500 *12,250	*5500 *12,250	*6550 *14,800	*6550 *14,800	*7100 *15,250	5700 12,300	*5500 *11,850	3700 7,950	*4450 *9,500	2700 5,800	*2500 *5,650	1600 3,550	11.24 36.55
-9.0 m -30.0 ft	kg lb			*7950 *16,950	*7950 *16,950	*5950 *12,700	*5950 *12,700	*4700 *10,050	3900 8,400	*3800 *8,050	2850 6,150	*2600 *5,700	2050 4,600	9.79 31.60

*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.

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

320E L Hydraulic Excavator

Super Long Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

Boom – 8.85 m (29'0")

Counterweight – 4.6 mt (5.1 t)

Bucket – None

Stick – 6.28 m (20'6") Super Long Reach

Shoes – 790 mm (31") triple grouser

		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft		13.5 m/45.0 ft				m ft
12.0 m 40.0 ft	kg lb									*1250 *2,800	*1250 *2,800	10.35 33.31
10.5 m 35.0 ft	kg lb			*2150 *4,700	*2150 *4,700					*1200 *2,600	*1200 *2,600	11.66 37.83
9.0 m 30.0 ft	kg lb			*2150 *4,700	*2150 *4,700	*2000 *3,650	1950 *3,650			*1150 *2,450	*1150 *2,450	12.66 41.25
7.5 m 25.0 ft	kg lb			*2200 *4,850	*2200 *4,850	*2150 *4,750	1950 4,100			*1100 *2,400	*1100 *2,400	13.41 43.83
6.0 m 20.0 ft	kg lb			*2350 *5,100	*2350 *5,100	*2250 *4,900	1900 4,000	*1850 *3,250	1450 3,050	*1100 *2,400	*1100 *2,400	13.96 45.71
4.5 m 15.0 ft	kg lb	*2750 *5,950	*2750 *5,950	*2500 *5,450	2300 4,950	*2350 *5,100	1800 3,850	*2250 *4,600	1400 3,000	*1100 *2,400	*1100 *2,400	14.34 46.99
3.0 m 10.0 ft	kg lb	*3050 *6,600	2800 6,000	*2700 *5,900	2150 4,650	*2500 *5,400	1700 3,650	2300 4,900	1350 2,850	*1150 *2,500	*1150 *2,500	14.54 47.71
1.5 m 5.0 ft	kg lb	*3350 *7,250	2550 5,500	*2900 *6,300	2000 4,300	*2600 *5,700	1600 3,400	2200 4,750	1300 2,750	*1200 *2,600	1100 2,400	14.60 47.89
Ground Line	kg lb	*3650 *7,850	2350 5,050	*3100 *6,750	1900 4,000	2600 5,550	1500 3,250	2150 4,650	1250 2,600	*1250 *2,750	1100 2,350	14.49 47.54
-1.5 m -5.0 ft	kg lb	3800 8,100	2200 4,700	3050 6,550	1750 3,750	2500 5,400	1450 3,050	2100 4,550	1200 2,550	*1350 *2,950	1100 2,400	14.22 46.65
-3.0 m -10.0 ft	kg lb	3650 7,900	2100 4,500	2950 6,350	1700 3,600	2450 5,300	1400 2,950	2100 *3,650	1150 2,500	*1500 *3,300	1150 2,500	13.79 45.19
-4.5 m -15.0 ft	kg lb	3600 7,750	2050 4,350	2950 6,300	1650 3,550	2450 5,250	1400 2,950			*1700 *3,750	1200 2,700	13.17 43.10
-6.0 m -20.0 ft	kg lb	3600 7,800	2050 4,400	2950 6,350	1650 3,550	2500 *5,150	1400 3,050			*2000 *4,450	1350 3,000	12.34 40.27
-7.5 m -25.0 ft	kg lb	*3650 *7,750	2100 4,550	*2950 *6,250	1750 3,750					*2500 *5,650	1600 3,550	11.24 36.55
-9.0 m -30.0 ft	kg lb	*3050 *6,300	2250 4,850							*2600 *5,700	2050 4,600	9.79 31.60

*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.

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

320E L Hydraulic Excavator

Work Tool Offering Guide*

Boom	5.7 m (18'8")	
Stick	3.9 m (12'10")	2.9 m (9'6")
Hydraulic Hammer	H115Es H120Es H130Es**	H115Es H120Es H130Es
Multi-Processor		MP15**
Pulverizer	P215**	P215
Mobile Scrap and Demolition Shear	S325B*** S340B***	S320B** S325B*** S340B***
Compactor (Vibratory Plate)	CVP110	CVP110
Contractors' Grapple	G120B-G130B	G120B-G130B
Trash Grapple		
Thumbs		
Rakes		
Center-Lock Pin Grabber Coupler		
Dedicated Quick Coupler		

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

*Matches are dependent on excavator configurations. Consult your Cat dealer for proper work tool match.

**Pin-on only.

***Boom-mount.

320E L Hydraulic Excavator

Bucket Specifications and Compatibility

Without Quick Coupler									320E L			320E L	
	Linkage	Width		Capacity		Weight		Fill	Boom (HD)			Boom (ES)	
		mm	in	m ³	yd ³	kg	lb	%	3.9 HD (12'10")	2.9 HD (9'6")	2.9 ES (9'6")	3.9 HD (12'10")	2.9 ES (9'6")
General Duty (GDC)	B	600	24	0.55	0.72	618	1,363	100%	●	●	●	●	●
	B	750	30	0.75	0.98	710	1,566	100%	●	●	●	●	●
	B	900	36	0.95	1.24	786	1,733	100%	⊙	●	●	⊖	●
	B	1050	42	1.16	1.52	847	1,867	100%	○	⊙	⊙	○	⊙
	B	1200	48	1.38	1.80	925	2,038	100%	◇	⊖	⊖	◇	○
	B	1350	54	1.59	2.08	1002	2,209	100%	X	○**	○	X	○
Heavy Duty (HD)	B	600	24	0.46	0.61	649	1,430	100%	●	●	●	●	●
	B	750	30	0.64	0.84	747	1,647	100%	●	●	●	●	●
	B	900	36	0.81	1.06	825	1,818	100%	●	●	●	⊙	●
	B	1050	42	1.00	1.31	879	1,937	100%	⊖	●	●	⊖	⊙
	B	1200	48	1.19	1.56	970	2,138	100%	○	⊙	⊖	○	⊖
	B	1350	54*	1.38	1.81	1051	2,316	100%	X	⊖**	○	X	○
Severe Duty (SD)	B	600	24	0.46	0.61	693	1,527	90%	●	●	●	●	●
	B	750	30	0.64	0.84	801	1,765	90%	●	●	●	●	●
	B	900	36	0.81	1.06	887	1,955	90%	●	●	●	●	●
	B	1050	42	1.00	1.31	962	2,121	90%	⊖	●	●	⊖	●
	B	1200	48	1.19	1.56	1051	2,316	90%	○	⊙	⊙	○	⊖
Super Long Reach	SLR	813	32	0.46	0.60	341	751	100%					
	SLR	1143	45	0.61	0.80	289	637	100%					
Maximum load pin-on (payload + bucket)								kg	2480	3070	2950	2410	2870
								lb	5,466	6,766	6,502	5,312	6,325

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)
- X Not recommended

The above loads are in compliance with hydraulic excavator standard EN474, 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.

Bucket weight with General Duty tips.

*This bucket might reduce boom structure life.

**For light dirt loading applications only. Consult your dealer to understand your application before using this bucket in combination with this stick.

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.

320E L Hydraulic Excavator

Bucket Specifications and Compatibility

Without Quick Coupler									320E L**	320E L
	Linkage	Width		Capacity		Weight		Fill	Boom (HD)	SLR
		mm	in	m ³	yd ³	kg	lb	%	2.9 ES (9'6")	6.28 m (20'6")
General Duty (GDC)	B	600	24	0.55	0.72	618	1,363	100%	●	
	B	750	30	0.75	0.98	710	1,566	100%	●	
	B	900	36	0.95	1.24	786	1,733	100%	●	
	B	1050	42	1.16	1.52	847	1,867	100%	●	
	B	1200	48	1.38	1.80	925	2,038	100%	●	
	B	1350	54	1.59	2.08	1002	2,209	100%	⊙	
Heavy Duty (HD)	B	600	24	0.46	0.61	649	1,430	100%	●	
	B	750	30	0.64	0.84	747	1,647	100%	●	
	B	900	36	0.81	1.06	825	1,818	100%	●	
	B	1050	42	1.00	1.31	879	1,937	100%	●	
	B	1200	48	1.19	1.56	970	2,138	100%	●	
	B	1350	54*	1.38	1.81	1051	2,316	100%	●	
Severe Duty (SD)	B	600	24	0.46	0.61	693	1,527	90%	●	
	B	750	30	0.64	0.84	801	1,765	90%	●	
	B	900	36	0.81	1.06	887	1,955	90%	●	
	B	1050	42	1.00	1.31	962	2,121	90%	●	
	B	1200	48	1.19	1.56	1051	2,316	90%	●	
Super Long Reach	SLR	813	32	0.46	0.60	341	751	100%		○
	SLR	1143	45	0.61	0.80	289	637	100%		◇
Maximum load pin-on (payload + bucket)								kg	3820	915
								lb	8,419	2,017

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)

The above loads are in compliance with hydraulic excavator standard EN474, 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.

Bucket weight with General Duty tips.

*This bucket might reduce boom structure life.

**Heavy counterweight configuration with 5.4 mt (5.9 ton) counterweight.

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.

320E L Hydraulic Excavator

Bucket Specifications and Compatibility

With Center Lock Coupler									320E L			320E L	
	Linkage	Width		Capacity		Weight		Fill	Boom (HD)			Boom (ES)	
		mm	in	m ³	yd ³	kg	lb		%	3.9 HD (12'10")**	2.9 HD (9'6")	2.9 ES (9'6")	3.9 HD (12'10")**
General Duty (GDC)	B	600	24	0.55	0.72	618	1,363	100%	●	●	●	●	●
	B	750	30	0.75	0.98	710	1,566	100%	⊙	●	●	⊙	●
	B	900	36	0.95	1.24	786	1,733	100%	○	⊙	⊙	○	⊙
	B	1050	42	1.16	1.52	847	1,867	100%	◇	⊖	⊖	◇	○
	B	1200	48	1.38	1.80	925	2,038	100%	X	○	○	X	◇
	B	1350	54	1.59	2.08	1002	2,209	100%	X	◇	◇	X	◇
Heavy Duty (HD)	B	600	24	0.46	0.61	649	1,430	100%	●	●	●	●	●
	B	750	30	0.64	0.84	747	1,647	100%	●	●	●	⊙	●
	B	900	36	0.81	1.06	825	1,818	100%	⊖	●	●	⊖	●
	B	1050	42	1.00	1.31	879	1,937	100%	○	⊙	⊖	◇	⊖
	B	1200	48	1.19	1.56	970	2,138	100%	◇	○	○	◇	○
	B	1350	54*	1.38	1.81	1051	2,316	100%	X	○	◇	X	◇
Severe Duty (SD)	B	600	24	0.46	0.61	693	1,527	90%	●	●	●	●	●
	B	750	30	0.64	0.84	801	1,765	90%	●	●	●	●	●
	B	900	36	0.81	1.06	887	1,955	90%	⊖	●	●	⊖	●
	B	1050	42	1.00	1.31	962	2,121	90%	○	⊙	⊙	○	⊖
	B	1200	48	1.19	1.56	1051	2,316	90%	◇	⊖	○	◇	○
	B	1200	48	1.19	1.56	1000	2,204	90%	◇	⊖	⊖	◇	○
Maximum load with coupler (payload + bucket)								kg	2070	2660	2540	2000	2460
								lb	4,563	5,863	5,599	4,409	5,422

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)
- X Not recommended

The above loads are in compliance with hydraulic excavator standard EN474, 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.

Bucket weight with General Duty tips.

*This bucket might reduce boom structure life.

**Auxiliary hydraulic lines available from Cat Work Tools.

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.

320E L Hydraulic Excavator

Bucket Specifications and Compatibility

With Center Lock Coupler									320E L**	320E L
	Linkage	Width		Capacity		Weight		Fill	Boom (HD)	SLR
		mm	in	m ³	yd ³	kg	lb	%	2.9 ES (9'6")	6.28 m (20'6")
General Duty (GDC)	B	600	24	0.55	0.72	618	1,363	100%	●	
	B	750	30	0.75	0.98	710	1,566	100%	●	
	B	900	36	0.95	1.24	786	1,733	100%	●	
	B	1050	42	1.16	1.52	847	1,867	100%	●	
	B	1200	48	1.38	1.80	925	2,038	100%	⊙	
	B	1350	54	1.59	2.08	1002	2,209	100%	⊖	
Heavy Duty (HD)	B	600	24	0.46	0.61	649	1,430	100%	●	
	B	750	30	0.64	0.84	747	1,647	100%	●	
	B	900	36	0.81	1.06	825	1,818	100%	●	
	B	1050	42	1.00	1.31	879	1,937	100%	●	
	B	1200	48	1.19	1.56	970	2,138	100%	●	
	B	1350	54*	1.38	1.81	1051	2,316	100%	⊖	
Severe Duty (SD)	B	600	24	0.46	0.61	693	1,527	90%	●	
	B	750	30	0.64	0.84	801	1,765	90%	●	
	B	900	36	0.81	1.06	887	1,955	90%	●	
	B	1050	42	1.00	1.31	962	2,121	90%	●	
	B	1200	48	1.19	1.56	1051	2,316	90%	●	
	B	1200	48	1.19	1.56	1000	2,204	90%	●	
Maximum load with coupler (payload + bucket)								kg	3410	
								lb	7,516	

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)

The above loads are in compliance with hydraulic excavator standard EN474, 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.

Bucket weight with General Duty tips.

*This bucket might reduce boom structure life.

**Heavy counterweight configuration with 5.4 mt (5.9 ton) counterweight.

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.