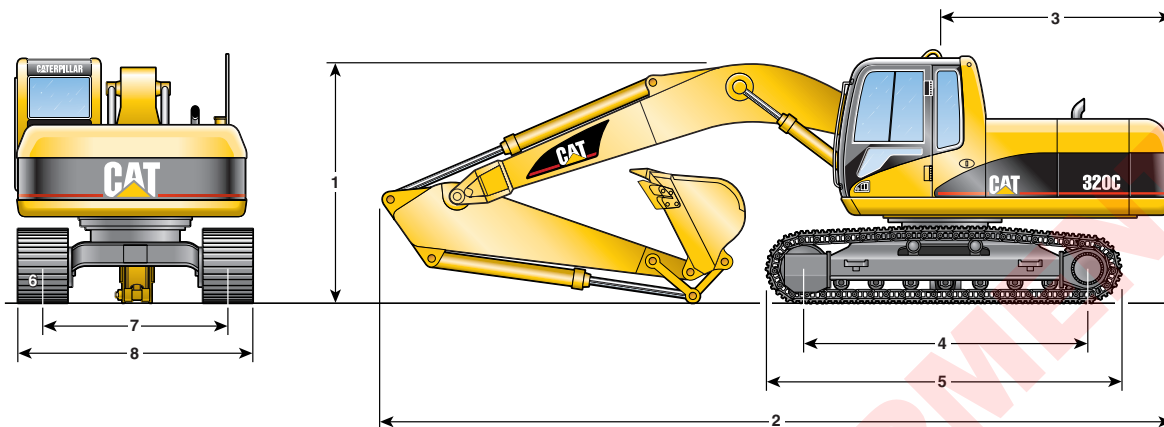


# 320C/320C L Hydraulic Excavator

## Dimensions and Weights

All dimensions are approximate.



	<b>Reach Boom 5.68 m (18'7")</b>	<b>R3.9B (12'8") Stick</b>	<b>R2.9B (9'7") Stick Std/SA</b>	<b>R2.5B (8'2") Stick Std/SA</b>
<b>1</b> Shipping height		3430 mm (11'3")	3010 mm (9'11")	3010 mm (9'11")
<b>2</b> Shipping length		9420 mm (30'11")	9440 mm (31'0")	9460 mm (31'0")
<b>3</b> Tail swing radius		2750 mm (9'0")	2750 mm (9'0")	2750 mm (9'0")
<b>4</b> Length to center of rollers				
Standard		3265 mm (10'9")	3265 mm (10'9")	3265 mm (10'9")
Long		3650 mm (12'0")	3650 mm (12'0")	3650 mm (12'0")
<b>5</b> Track length				
Standard		4075 mm (13'4")	4075 mm (13'4")	4075 mm (13'4")
Long		4455 mm (14'7")	4455 mm (14'7")	4455 mm (14'7")
<b>6</b> Ground clearance		475 mm (1'7")	475 mm (1'7")	475 mm (1'7")
<b>7</b> Track gauge				
Standard		2200 mm (7'3")	2200 mm (7'3")	2200 mm (7'3")
Long		2380 mm (7'10")	2380 mm (7'10")	2380 mm (7'10")
<b>8</b> Transport width				
Standard		800 mm (32") shoes	700 mm (28") shoes	600 mm (24") shoes
Long		3000 mm (9'10")	2900 mm (9'6")	2800 mm (9'2")
		3180 mm (10'5")	3080 mm (10'1")	2980 mm (9'9")

	<b>Mass Boom 5.2 m (17'1")</b>	<b>M2.4C (7'10") Stick</b>
<b>1</b> Shipping height		3050 mm (10'0")
<b>2</b> Shipping length		9000 mm (29'6")

	<b>Long Reach Front (320C L)</b>	<b>800 mm (32") only</b>
<b>1</b> Shipping height		3210 mm (10'6")
<b>2</b> Shipping length		12 660 mm (41'6")

<b>Operating Weight</b>	<b>600 mm (24") Shoes (320C)</b>		<b>800 mm (32") Shoes (320C L)</b>	
	kg	lb	kg	lb
<b>Reach Boom</b>				
Stick Options:				
3.9 m (12'8")	20 000	44,000	21 200	46,700
2.9 m (9'7")	19 700	43,400	21 000	46,300
2.5 m (8'2")	19 700	43,400	21 000	46,300

<b>Mass Boom</b>	kg	lb	kg	lb
Stick Option:				
2.4 m (7'10")	20 200	44,500	21 500	47,400
<b>Long Reach</b>	kg	lb		
Total Weight	22 680	49,900		

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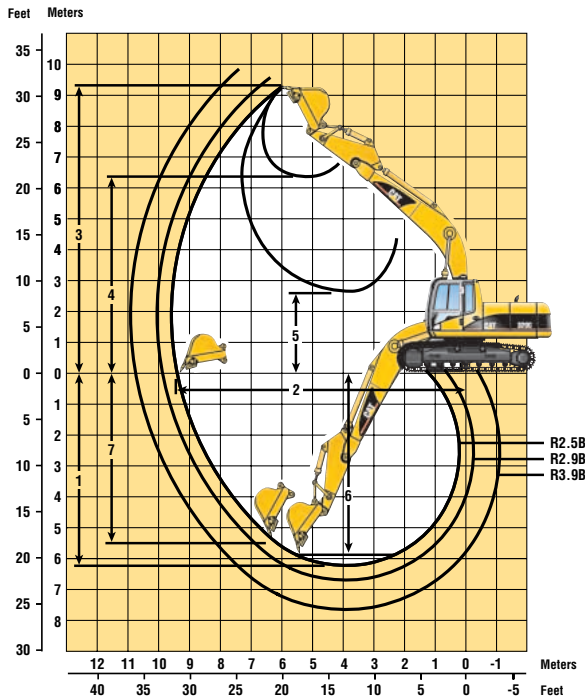
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# 320C/320C L Hydraulic Excavator

## Reach Excavator Working Ranges

Reach (R) Boom configuration



## Major Component Weights

Booms: including lines, boom cylinders, stick cylinders and left side light

	kg	lb
Reach	2030	4476
Reach (SA)	2194	4838

Sticks: including bucket cylinder and bucket linkage

	kg	lb
R3.9B	1250	2756
R2.9B	999	2203
R2.9B SA	1101	2427
R2.5B	974	2148
R2.5B SA	1038	2289

Counterweight	3850	8500
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Stick Length	R3.9B (12'8")	R2.9B (9'7")	R2.5B (8'2")
<b>Bucket</b>	<b>1 m<sup>3</sup> (1.3 yd<sup>3</sup>)</b>	<b>1 m<sup>3</sup> (1.3 yd<sup>3</sup>)</b>	<b>1 m<sup>3</sup> (1.3 yd<sup>3</sup>)</b>
1 Maximum Digging Depth	7.66 m (25'1")	6.72 m (22'0")	6.33 m (20'9")
2 Maximum Reach at Ground Level	10.71 m (35'2")	9.86 m (32'4")	9.46 m (31'0")
3 Maximum Cutting Height	9.82 m (32'2")	9.49 m (31'1")	9.30 m (30'6")
4 Maximum Loading Height	6.85 m (22'5")	6.50 m (21'4")	6.30 m (20'8")
5 Minimum Loading Height	1.23 m (4'0")	2.17 m (7'11")	2.59 m (8'5")
6 Maximum Depth Cut for 2440 mm (8') Level Bottom	7.31 m (24'0")	6.37 m (20'10")	5.95 m (19'6")
7 Maximum Vertical Wall Digging Depth	6.86 m (22'6")	6.05 m (19'10")	5.65 m (18'6")

## Bucket and Stick Forces

### Power Buckets

Stick	R3.9B (12'8")		R2.9B (9'7")		R2.5B (8'2")	
Bucket Digging Force (ISO)	159 kN	35,800 lb	159 kN	35,800 lb	159 kN	35,800 lb
Stick Digging Force (ISO)	86 kN	19,300 lb	103 kN	23,100 lb	117 kN	26,300 lb
Bucket Digging Force (SAE)	142 kN	31,800 lb	142 kN	31,800 lb	142 kN	31,800 lb
Stick Digging Force (SAE)	84 kN	18,900 lb	100 kN	22,400 lb	113 kN	25,400 lb

### HD and HDR Buckets

Stick	R3.9B (12'8")		R2.9B (9'7")		R2.5B (8'2")	
Bucket Digging Force (ISO)	145 kN	32,500 lb	145 kN	32,500 lb	145 kN	32,500 lb
Stick Digging Force (ISO)	84 kN	18,900 lb	100 kN	22,500 lb	113 kN	25,500 lb
Bucket Digging Force (SAE)	128 kN	28,900 lb	128 kN	28,900 lb	128 kN	28,900 lb
Stick Digging Force (SAE)	82 kN	18,500 lb	97 kN	21,800 lb	110 kN	24,600 lb

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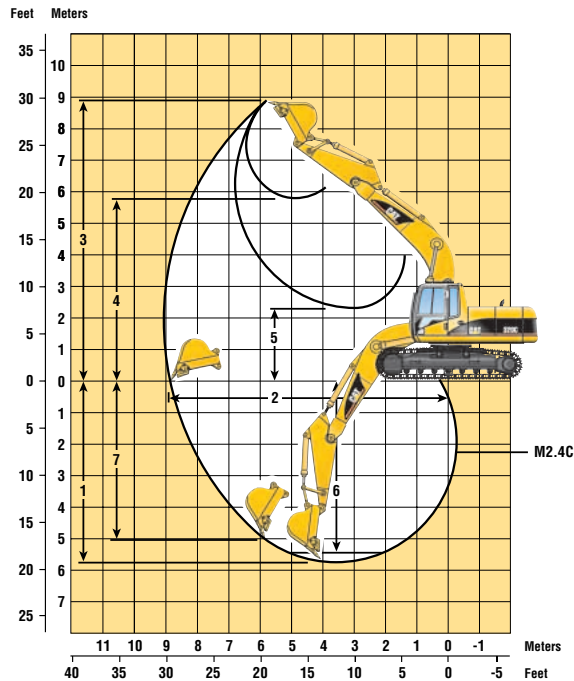
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# 320C/320C L Hydraulic Excavator

## Mass Excavator Working Ranges

Mass (M) Boom configuration



Stick Length	M2.4C (7'10")
<b>Bucket</b>	<b>1.3 m<sup>3</sup> (1.7 yd<sup>3</sup>)</b>
1 Maximum Digging Depth	5.84 m (19'2")
2 Maximum Reach at Ground Level	8.91 m (29'2")
3 Maximum Cutting Height	8.90 m (29'2")
4 Maximum Loading Height	5.77 m (18'11")
5 Minimum Loading Height	2.28 m (7'5")
6 Maximum Depth Cut for 2440 mm (8') Level Bottom	5.50 m (18'0")
7 Maximum Vertical Wall Digging Depth	5.05 m (16'6")

## Bucket and Stick Forces

### HD and HDR Buckets

Stick	M2.4C (7'10")	
Bucket Digging Force (ISO)	163 kN	36,700 lb
Stick Digging Force (ISO)	126 kN	28,200 lb
Bucket Digging Force (SAE)	144 kN	32,500 lb
Stick Digging Force (SAE)	121 kN	27,200 lb

### Power Buckets

Stick	M2.4C (7'10")	
Bucket Digging Force (ISO)	182 kN	41,000 lb
Stick Digging Force (ISO)	129 kN	28,900 lb
Bucket Digging Force (SAE)	161 kN	36,100 lb
Stick Digging Force (SAE)	124 kN	27,800 lb

## Major Component Weights

Booms: including lines, boom cylinders, stick cylinders and left side light

	kg	lb
Mass	2048	4516

Sticks: including bucket cylinder and bucket linkage

	kg	lb
M2.4C	1200	2646

Counterweight	3850	8500
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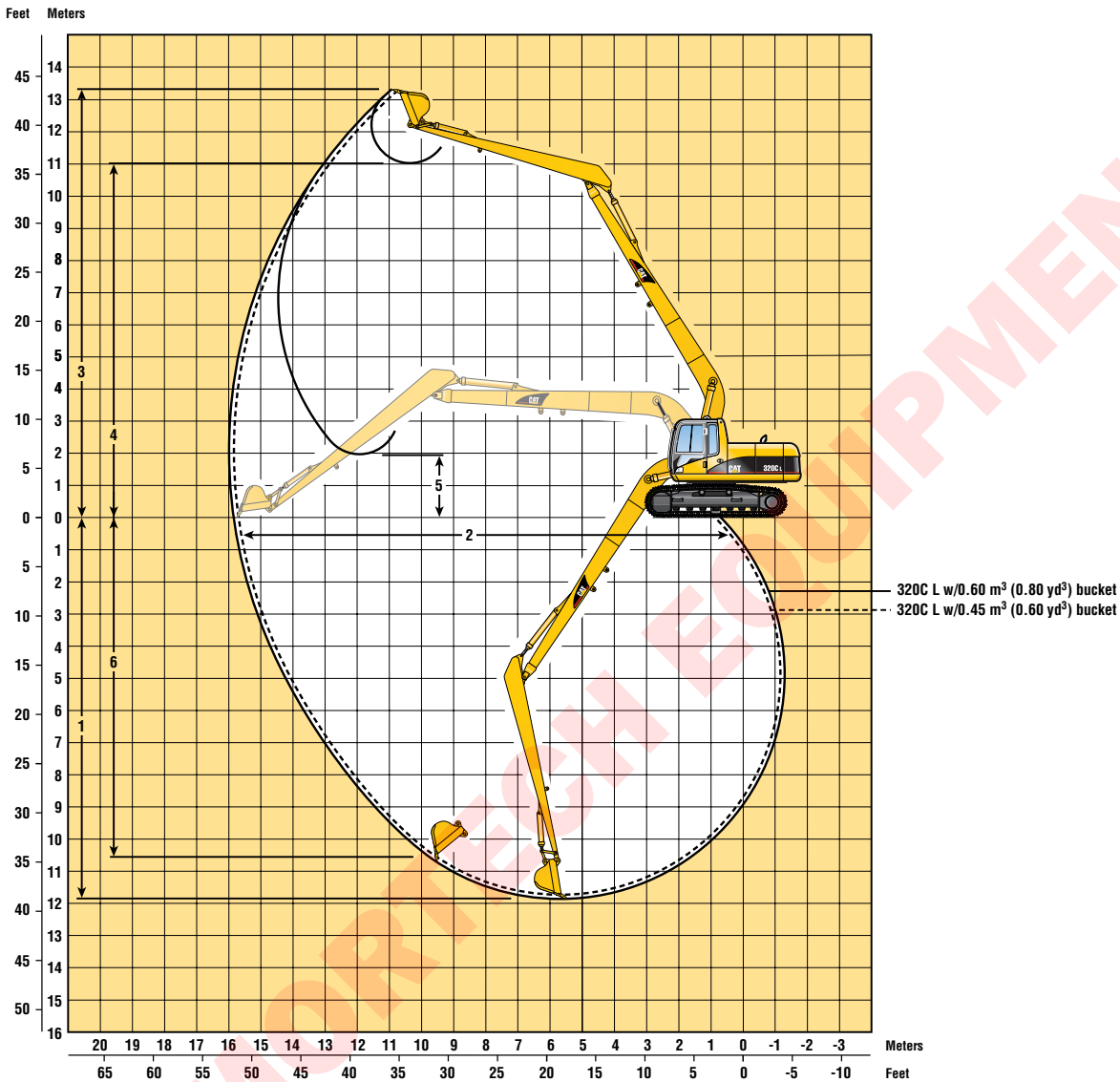
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# 320C/320C L Hydraulic Excavator

## Long Reach Excavator Working Ranges



Arrangements	320C L SLR 0.45 m <sup>3</sup> (0.60 yd <sup>3</sup> ) Excavation	320C L SLR 0.60 m <sup>3</sup> (0.80 yd <sup>3</sup> ) Ditch
1 Maximum Digging Depth	11.88 m (39'0")	11.75 m (38'7")
2 Maximum Reach at Ground Level	15.72 m (51'7")	15.59 m (51'2")
3 Maximum Cutting Height	13.29 m (43'7")	13.23 m (43'5")
4 Maximum Loading Height	11.01 m (36'1")	11.14 m (36'6")
5 Minimum Loading Height	1.97 m (6'6")	2.09 m (6'10")
6 Maximum Vertical Wall Digging Depth	10.7 m (35'1")	11.31 m (37'1")
Bucket Digging Force (ISO)	60 kN (13,500 lb)	60 kN (13,500 lb)
Stick Digging Force (ISO)	46 kN (10,300 lb)	46 kN (10,300 lb)
Bucket Digging Force (SAE)	54 kN (12,100 lb)	60 kN (13,500 lb)
Stick Digging Force (SAE)	46 kN (10,300 lb)	46 kN (10,300 lb)

### Major Component Weights

Booms: including lines, boom cylinders, stick cylinders and left side light

	kg	lb
Boom	2180	4800
Sticks: including bucket cylinder and bucket linkage		
Stick	1600	3520
Counterweight	4830	10,630

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# 320C/320C L Hydraulic Excavator

## Bucket Specifications

### 320C (Standard Undercarriage) and 320C L (Long Undercarriage)

Contact your Caterpillar dealer for special bucket requirements.

B Buckets for Reach Linkage	Capacity*		Width		Tip Radius		Weight (without tips)		Teeth Qty	320C – Reach Boom Stick			320C L – Reach Boom Stick		
	m <sup>3</sup>	yd <sup>3</sup>	mm	in	mm	in	kg	lb		R3.9B (12'8")	R2.9B (9'7")	R2.5B (8'2")	R3.9B (12'8")	R2.9B (9'7")	R2.5B (8'2")
										●	●	●	●	●	●
General Purpose (GP)	0.70	0.88	775	30	1626	64.0	665	1463	4	●	●	●	●	●	●
	0.90	1.12	932	36	1626	64.0	741	1630	5	○	●	●	●	●	●
	1.10	1.50	1082	42	1626	64.0	777	1710	5	∴	○	●	○	●	●
	1.30	1.75	1230	48	1626	64.0	907	1995	6	–	∴	○	∴	○	●
Heavy Duty (HD)	0.45	0.62	625	24	1563	61.5	639	1405	3	●	●	●	●	●	●
	0.60	0.75	775	30	1563	61.5	691	1520	4	●	●	●	●	●	●
	0.80	1.00	932	36	1563	61.5	765	1683	5	●	●	●	●	●	●
	1.00	1.25	1082	42	1563	61.5	814	1790	5	∴	●	●	●	●	●
	1.10	1.50	1230	48	1563	61.5	942	2072	6	–	○	○	∴	●	●
	1.10	1.50	1230	48	1563	61.5	912	2007	6	–	○	○	∴	●	●
	1.30	1.75	1377	54	1563	61.5	1003	2206	7	–	∴	∴	∴	○	●
	1.30	1.75	1377	54	1563	61.5	968	2130	7	–	∴	○	∴	○	●
Power Bucket (PB)	0.83	1.09	932	36	1406	55	797	1757	5	○	●	●	●	●	●
	1.0	1.31	1082	42	1406	55	863	1903	5	∴	●	●	○	●	●
	1.17	1.53	1230	48	1406	55	936	2064	6	–	○	○	∴	●	●
Heavy Duty Rock (HDR)	0.45	0.62	625	24	1563	61.5	727	1600	3	●	●	●	●	●	●
	0.60	0.75	775	30	1563	61.5	845	1860	4	●	●	●	●	●	●
	0.80	1.00	932	36	1563	61.5	864	1900	5	○	●	●	●	●	●
	1.00	1.25	1082	42	1563	61.5	912	2006	5	∴	●	●	●	●	●
Ditch Cleaning (DC)	0.90	1.12	1422	56	1143	45.0	707	1555	0	●	●	●	●	●	●
	1.10	1.50	1727	68	1143	45.0	786	1730	0	∴	○	●	○	●	●

C Buckets for Mass EX Linkage	Capacity*		Width		Tip Radius		Weight (without tips)		Teeth Qty	320C – Mass Boom Stick	320C L – Mass Boom Stick
	m <sup>3</sup>	yd <sup>3</sup>	mm	in	mm	in	kg	lb		M2.4C (7'10")	M2.4C (7'10")
										●	●
General Purpose (GP)	0.90	1.12	775	30	1778	70.0	805	1771	3	●	●
	1.10	1.50	948	36	1778	70.0	891	1960	5	●	●
	1.30	1.75	1098	42	1778	70.0	950	2090	5	○	●
	1.60	2.12	1248	48	1778	70.0	1045	2300	6	∴	○
	1.90	2.50	1395	54	1778	70.0	1118	2460	7	–	∴
Heavy Duty (HD)	0.70	0.88	775	30	1638	64.5	836	1839	3	●	●
	0.90	1.12	948	36	1638	64.5	931	2048	4	●	●
	1.10	1.50	1098	42	1638	64.5	1006	2214	5	●	●
	1.30	1.75	1248	48	1638	64.5	1082	2380	5	○	●
	1.50	2.00	1395	54	1638	64.5	1164	2560	6	∴	○
	1.70	2.25	1522	60	1638	64.5	1241	2730	7	–	∴
	1.90	2.50	1680	66	1638	64.5	1326	2918	7	–	∴
	Power Bucket (PB)	1.8	2.35	1524	60	1587	62.5	1273	2800	7	–
Heavy Duty Rock (HDR)		0.70	0.88	775	30	1638	64.5	888	1953	3	●
	0.90	1.12	948	36	1638	64.5	1043	2295	4	●	●
	1.10	1.50	1098	42	1638	64.5	1127	2480	5	●	●
	1.30	1.75	1248	48	1638	64.5	1211	2664	5	○	●

Assumptions for maximum material density rating:

1. Front linkage fully extended at ground line
2. Bucket curled
3. 100% bucket fill factor

\* - Based on SAE J296, some calculations of capacity specs fall on borderlines. Rounding may allow two buckets to have the same English rating, but different metric ratings.

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● 2100 kg/m<sup>3</sup> (3,500 lbs/rd<sup>3</sup>) max material density

◐ 1800 kg/m<sup>3</sup> (2,800 lbs/rd<sup>3</sup>) max material density

○ 1500 kg/m<sup>3</sup> (2,500 lbs/rd<sup>3</sup>) max material density

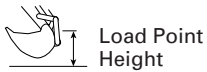
∴ 1000 kg/m<sup>3</sup> (2,000 lbs/rd<sup>3</sup>) max material density

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## Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



















Load Radius Over Side

**R3.9B STICK** – 3900 mm (12'8")  
**BUCKET** – 1.0 m<sup>3</sup> (1.3 yd<sup>3</sup>)

**UNDERCARRIAGE** – Standard  
**SHOES** – 600 mm (24") triple grouser

**BOOM** – 5680 mm (18'7")

















	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	kg lb								*2550 *5550	*2550 *5550			*1400 *3050	*1400 *3050	8.83 28.69	
6.0 m 20.0 ft	kg lb								*3100 *6800	2700 5750			*1300 *2850	*1300 *2850	9.71 31.72	
4.5 m 15.0 ft	kg lb								*3450 *7500	2600 5500	*2400 *5300	1700 3750	*1300 *2850	1300 2800	10.24 33.54	
3.0 m 10.0 ft	kg lb						*4450 *9650	3750 8050	*3900 8400	2450 5200	2750 5850	1600 3400	*1350 *2950	1150 2500	10.48 34.38	
1.5 m 5.0 ft	kg lb			*9200 *22,250	*9200 *22,250	*7400 *15,900	5550 11,900	*5450 *11,700	3450 7400	3750 8050	2300 4900	2650 5700	1550 3250	*1500 *3250	1100 2400	10.46 34.33
Ground Line	kg lb			*6500 *14,850	*6500 *14,850	8500 18,150	5050 10,800	5250 11,250	3200 6800	3600 7700	2150 4550	2600 5550	1500 3100	*1650 *3650	1150 2500	10.18 33.40
-1.5 m -5.0 ft	kg lb	*4400 *9800	*4400 *9800	*8200 *18,650	*8200 *18,650	8200 17,500	4800 10,250	5050 10,850	3000 6450	3500 7500	2050 4350			*2000 *4350	1300 2800	9.61 31.50
-3.0 m -10.0 ft	kg lb	*7200 *16,100	*7200 *16,100	*11,450 *26,100	9400 20,050	8100 17,350	4700 10,100	5000 10,700	2950 6300	3500 7450	2050 4300			*2550 *5600	1600 3500	8.69 28.40
-4.5 m -15.0 ft	kg lb	*10,700 *24,100	*10,700 *24,100	*12,800 *27,500	9650 20,650	8200 17,600	4800 10,300	5050 10,850	3000 6450					*3650 *8250	2300 5150	7.27 23.56
-6.0 m -20.0 ft	kg lb			*9400 *19,800	*9400 *19,800	*6350 *13,100	5100 11,000							*4800 *10,550	3850 8950	5.37 17.15

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

**R3.9B STICK** – 3900 mm (12'8")  
**BUCKET** – 1.0 m<sup>3</sup> (1.3 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long  
**SHOES** – 800 mm (32") triple grouser

**BOOM** – 5680 mm (18'7")

	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	kg lb								*2550 *5550	*2550 *5550			*1400 *3050	*1400 *3050	8.83 28.69	
6.0 m 20.0 ft	kg lb								*3100 *6800	*3100 6700			*1300 *2850	*1300 *2850	9.71 31.72	
4.5 m 15.0 ft	kg lb								*3450 *7500	3000 6450	*2400 *5300	2050 4500	*1300 *2850	*1300 *2850	10.24 33.54	
3.0 m 10.0 ft	kg lb						*4450 *9650	4350 9350	*3900 *8500	2900 6150	*3100 *6050	1950 4150	*1350 *2950	*1350 *2950	10.48 34.38	
1.5 m 5.0 ft	kg lb			*9200 *22,250	*9200 *22,250	*7400 *15,900	6500 13,950	*5450 *11,700	4050 8700	*4450 *9600	2750 5800	3400 7200	1900 4000	*1500 *3250	1400 3050	10.46 34.33
Ground Line	kg lb			*6500 *14,850	*6500 *14,850	*8800 *19,000	5950 12,800	*6250 *13,500	3800 8100	4550 9750	2600 5500	3300 *6950	1800 3850	*1650 *3650	1450 3150	10.18 33.40
-1.5 m -5.0 ft	kg lb	*4400 *9800	*4400 *9800	*8200 *18,650	*8200 *18,650	*9500 *20,550	5700 12,200	6400 13,700	3600 7700	4450 9500	2500 5300			*2000 *4350	1600 3500	9.61 31.50
-3.0 m -10.0 ft	kg lb	*7200 *16,100	*7200 *16,100	*11,450 *26,100	11,300 24,200	*9450 *20,450	5600 12,050	6350 13,550	3550 7600	4400 9450	2450 5250			*2550 *5600	1950 4300	8.69 28.40
-4.5 m -15.0 ft	kg lb	*10,700 *24,100	*10,700 *24,100	*12,800 *27,500	11,600 24,850	*8600 *18,500	5700 12,250	*6150 *13,100	3600 7750	4400 9450	2450 5250			*3650 *8250	2750 6150	7.27 23.56
-6.0 m -20.0 ft	kg lb			*9400 *19,800	*6350 *13,100	*9400 *19,800	6000 12,950							*4800 *10,550	4550 10,550	5.37 17.15

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

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# 320C/320C L Hydraulic Excavator

## Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front












Load Radius Over Side

**R2.5B STICK** – 2500 mm (8'2")  
**BUCKET** – 1.0 m<sup>3</sup> (1.3 yd<sup>3</sup>)

**UNDERCARRIAGE** – Standard  
**SHOES** – 600 mm (24") triple grouser

**BOOM** – 5680 mm (18'7")










		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									*2450 *5400	*2450 *5400	7.24 23.39
6.0 m 20.0 ft	kg lb					*4350 *9450	4000 8600			*2300 *5050	2150 4800	8.34 27.17
4.5 m 15.0 ft	kg lb					*4900 *10,600	3850 8300	4000 8550	2500 5350	*2300 *5000	1800 3950	8.97 29.34
3.0 m 10.0 ft	kg lb			*7500 *16,050	5850 12,550	*5650 *12,250	3650 7800	3900 8300	2450 5150	*2350 *5200	1600 3550	9.25 30.32
1.5 m 5.0 ft	kg lb			8750 18,800	5300 11,400	5500 11,750	3400 7300	3800 8100	2350 4950	*2550 *5600	1550 3450	9.22 30.27
Ground Line	kg lb			8400 18,050	5000 10,750	5300 11,350	3250 6950	3700 7900	2250 4800	2800 6100	1650 3600	8.89 29.17
-1.5 m -5.0 ft	kg lb	*9150 *20,900	*9150 20,750	8350 17,850	4950 10,600	5200 11,200	3150 6800	3650 8050	2200 4850	3200 7000	1900 4200	8.21 26.90
-3.0 m -10.0 ft	kg lb	*12 700 *27,550	9950 21,300	8450 18,100	5050 10,800	5250 11,300	3200 6900			4150 9200	2550 5650	7.07 23.04
-4.5 m -15.0 ft	kg lb	*9800 *20,850	*9800 *20,850	*6900 *14,550	5300 11,350					*5400 *11,800	4100 9300	5.32 17.16

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

**R2.5B STICK** – 2500 mm (8'2")  
**BUCKET** – 1.0 m<sup>3</sup> (1.3 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long  
**SHOES** – 800 mm (32") triple grouser

**BOOM** – 5680 mm (18'7")

		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									*2450 *5400	*2450 *5400	7.24 23.39
6.0 m 20.0 ft	kg lb					*4350 *9450	*4350 *9450			*2300 *5050	*2300 *5050	8.34 27.17
4.5 m 15.0 ft	kg lb					*4900 *10,600	4450 9600	*4450 *9700	2950 6300	*2300 *5000	2150 4700	8.97 29.34
3.0 m 10.0 ft	kg lb			*7500 *16,050	6750 14,550	*5650 *12,250	4250 9100	*4800 10,350	2850 6100	*2350 *5200	1950 4250	9.25 30.32
1.5 m 5.0 ft	kg lb			*9000 *19,400	6250 13,400	*6450 *13,950	4000 8600	4700 10,100	2750 5900	*2550 *5600	1900 4150	9.22 30.27
Ground Line	kg lb			*9750 *21,100	5950 12,750	6650 14,250	3850 8200	4650 9900	2700 5700	*2850 *6300	2000 4400	8.89 29.17
-1.5 m -5.0 ft	kg lb	*9150 *20,900	*9150 *20,900	*9750 *21,050	5850 12,550	6550 14,050	3750 8050	4600 10,100	2650 5850	*3400 *7500	2300 5050	8.21 26.90
-3.0 m -10.0 ft	kg lb	*12 700 *27,550	11 900 25,500	*8950 *19,350	5950 12,750	*6500 *13,900	3800 8150			*4350 *9500	3000 6700	7.07 23.04
-4.5 m -15.0 ft	kg lb	*9800 *20,850	*9800 *20,850	*6900 *14,550	6200 13,350					*5400 *11,800	4800 10,900	5.32 17.16

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

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# 320C/320C L Hydraulic Excavator

## Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front

















Load Radius Over Side

**R2.9B STICK** – 2900 mm (9'7")  
**BUCKET** – 1.0 m<sup>3</sup> (1.3 yd<sup>3</sup>)

**UNDERCARRIAGE** – Standard  
**SHOES** – 600 mm (24") triple grouser

**BOOM** – 5680 mm (18'7")















	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											*1800 *3950	*1800 *3950	7.76 25.11
6.0 m 20.0 ft	kg lb								*3300 *7300	2650 5850	*1700 *3700	*1700 *3700	8.77 28.62	
4.5 m 15.0 ft	kg lb						*4550 *9800	3950 8400	4050 8600	2550 5450	*1700 *3700	1650 3600	9.37 30.66	
3.0 m 10.0 ft	kg lb		*11 250 *23,850	*11 250 *23,850	*6950 *14,900	5950 12,850	*5350 *11,550	3700 7950	3950 8400	2450 5250	*1750 *3800	1500 3250	9.64 31.60	
1.5 m 5.0 ft	kg lb				*8600 *18,550	5400 11,650	5550 11,850	3450 7400	3800 8150	2350 5000	*1900 *4150	1450 3150	9.61 31.54	
Ground Line	kg lb		*5200 *12,000	*5200 *12,000	8500 18,200	5050 10,900	5300 11,400	3250 7000	3700 7900	2250 4800	*2150 *4700	1500 3300	9.30 30.50	
-1.5 m -5.0 ft	kg lb	*5200 *11,600	*5200 *11,600	*8800 *20,050	*8800 *20,050	8350 17,850	4950 10,600	5200 11,150	3150 6750	3650 7800	2200 4700	*2550 *5600	1700 3750	8.66 28.36
-3.0 m -10.0 ft	kg lb	*9150 *20,500	*9150 *20,500	*13 550 *29,250	9850 21,100	8400 17,950	5000 10,700	5200 11,200	3150 6800			*3300 *7300	2200 4900	7.60 24.79
-4.5 m -15.0 ft	kg lb			*11 000 *23,550	10 250 22,000	*7700 *16,350	5150 11,100					*3900 *8650	3450 7600	5.97 19.59

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

**R2.9B STICK** – 2900 mm (9'7")  
**BUCKET** – 1.0 m<sup>3</sup> (1.3 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long  
**SHOES** – 800 mm (32") triple grouser

**BOOM** – 5680 mm (18'7")

	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											*1800 *3950	*1800 *3950	7.76 25.11
6.0 m 20.0 ft	kg lb								*3300 *7300	3100 6800	*1700 *3700	*1700 *3700	8.77 28.62	
4.5 m 15.0 ft	kg lb						*4550 *9800	*4550 9700	*4200 *9100	3000 6400	*1700 *3700	*1700 *3700	9.37 30.66	
3.0 m 10.0 ft	kg lb		*11 250 *23,850	*11 250 *23,850	*6950 *14,900	6900 14,850	*5350 *11,550	4300 9250	*4550 *9950	2900 6150	*1750 *3800	*1750 *3800	9.63 31.60	
1.5 m 5.0 ft	kg lb				*8600 *18,550	6350 13,650	*6200 *13,400	4050 8700	4750 10,150	2800 5950	*1900 *4150	1750 3850	9.61 31.54	
Ground Line	kg lb		*5200 *12,000	*5200 *12,000	*9600 *20,750	6000 12,850	6650 14,300	3850 8250	4650 9900	2700 5700	*2150 *4700	1850 4000	9.30 30.50	
-1.5 m -5.0 ft	kg lb	*5200 *11,600	*5200 *11,600	*8800 *20,050	*8800 *20,050	*9800 *21,200	5850 12,550	6550 14,050	3750 8050	4550 9800	2650 5600	*2550 *5600	2100 4550	8.66 28.36
-3.0 m -10.0 ft	kg lb	*9150 *20,500	*9150 *20,500	*13 550 *29,250	11 800 25,300	*9250 *20,000	5900 12,650	6550 14,050	3750 8050			*3300 *7300	2650 5850	7.60 24.79
-4.5 m -15.0 ft	kg lb			*11 000 *23,550	*11 000 *23,550	*7700 *16,350	6100 13,100					*3900 *8650	*3900 *8650	5.97 19.59

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

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# 320C/320C L Hydraulic Excavator

## Mass Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front

















Load Radius Over Side

**M2.4C STICK** – 2400 mm (7'10")  
**BUCKET** – 1.3 m<sup>3</sup> (1.7 yd<sup>3</sup>)

**UNDERCARRIAGE** – Standard  
**SHOES** – 600 mm (24") triple grouser

**BOOM** – 5200 mm (17'1")













	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											*2950 *2950	6.57	
6.0 m 20.0 ft	kg lb						*4300 *9350	3800 8150				*2750 *6000	2250 5000	7.79 25.37
4.5 m 15.0 ft	kg lb						*4850 *10,500	3600 7650				*2700 *5950	1750 3900	8.47 27.71
3.0 m 10.0 ft	kg lb				*7150 *15,350	5700 12,300	*5500 11,850	3400 7300	3600 7950	2150 4700	2750 6000	1550 3400	8.76 28.72	
1.5 m 5.0 ft	kg lb				*8650 18,600	5200 11,150	5300 11,300	3200 6800	3500 7450	2050 4300	2700 5900	1500 3300	8.71 28.60	
Ground Line	kg lb		*7450 *17,200	*7450 *17,200	8300 17,750	4850 10,400	5100 10,900	3000 6450			2900 6300	1600 3550	8.33 27.32	
-1.5 m -5.0 ft	kg lb	*7250 *16,250	*7250 *16,250	*13,350 *30,450	9500 20,300	8200 17,550	4750 10,200	5000 10,750	2950 6300			3450 7600	2000 4400	7.55 24.71
-3.0 m -10.0 ft	kg lb			*12,200 *26,300	9800 21,000	8300 17,800	4850 10,400	5100 11,250	3050 6700			*3150 *6850	3000 6650	6.20 20.16

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

**M2.4C STICK** – 2400 mm (7'10")  
**BUCKET** – 1.3 m<sup>3</sup> (1.7 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long  
**SHOES** – 800 mm (32") triple grouser

**BOOM** – 5200 mm (17'1")

	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											*2950 *2950	6.52	
6.0 m 20.0 ft	kg lb						*4300 *9400	*4300 9400				*2750 *6050	2700 6000	7.75 25.23
4.5 m 15.0 ft	kg lb						*4850 *10,500	4200 8950				*2750 *6050	2150 4750	8.43 27.57
3.0 m 10.0 ft	kg lb				*7150 *15,350	6650 14,300	*5500 *11,950	4000 8600	4550 9950	2550 5600	*2850 *6300	1900 4200	8.72 28.59	
1.5 m 5.0 ft	kg lb				*8650 *18,650	6100 13,150	*6250 *13,500	3800 8100	4450 9500	2500 5250	*3150 *6900	1850 4100	8.67 28.46	
Ground Line	kg lb		*7450 *17,200	*7450 *17,200	*9500 *20,450	5750 12,400	6450 13,800	3600 7750			*3600 *7900	2000 4400	8.29 27.20	
-1.5 m -5.0 ft	kg lb	*7250 *16,250	*7250 *16,250	*13,350 *30,450	11,450 24,500	*9450 *20,400	5700 12,150	6350 13,650	3550 7600			4400 9700	2450 5350	7.51 24.60
-3.0 m -10.0 ft	kg lb			*12,200 *26,300	11,800 25,200	*8400 *18,000	5800 12,400	*5600 *12,350	3650 8000			*3700 *7900	3550 *7900	6.17 20.05

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

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