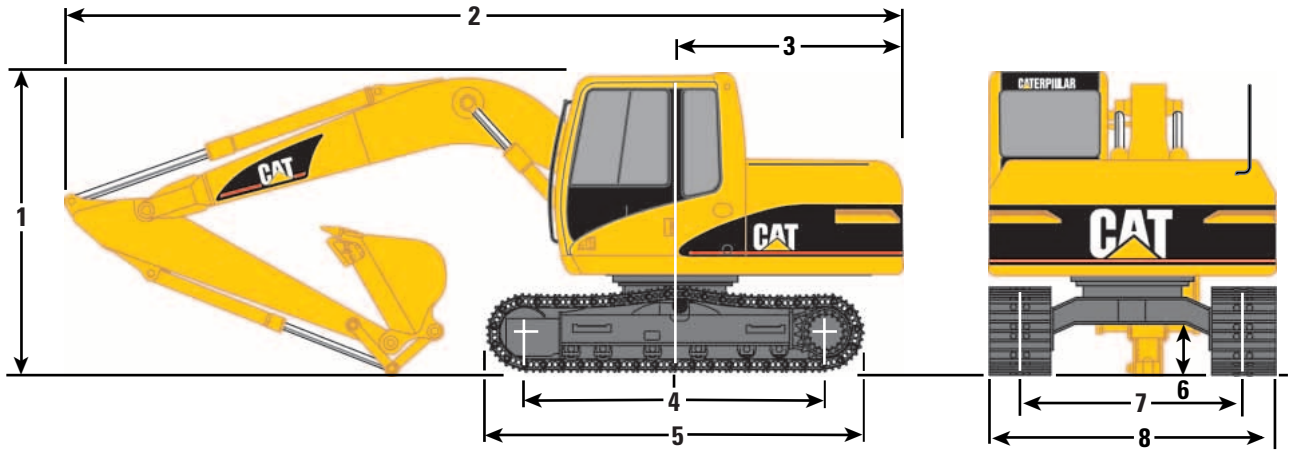


# 312C/312C L Hydraulic Excavators

## Dimension

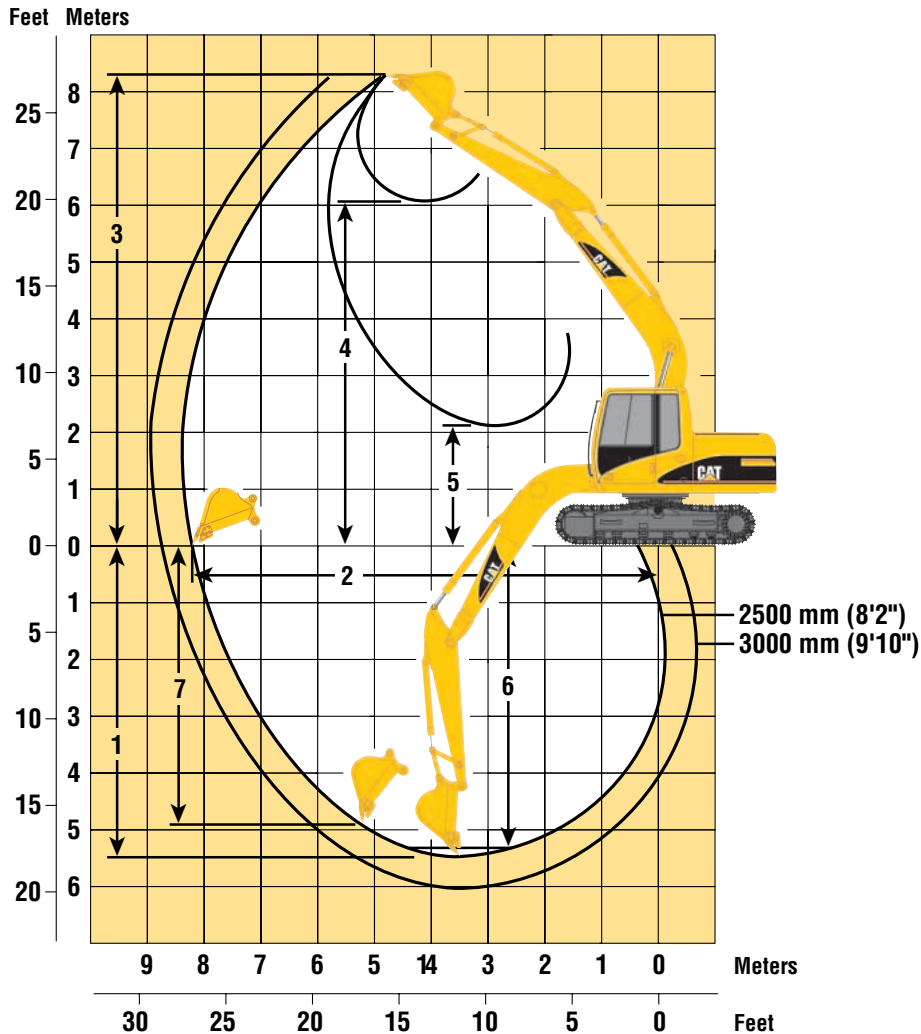
All dimensions are approximate.



	2500 mm (8'2") Stick		3000 mm (9'10") Stick	
<b>1</b> Shipping height	2760 mm (9'1")		2760 mm (9'1")	
<b>2</b> Shipping length	7570 mm (24'10")		7570 mm (24'10")	
<b>3</b> Tail swing radius	2130 mm (7')		2130 mm (7')	
<b>4</b> Length to centers of rollers				
312C	2780 mm (9'1")		2780 mm (9'1")	
312C L	3040 mm (9'11")		3040 mm (9'11")	
<b>5</b> Track length				
312C	3490 mm (11'5")		3490 mm (11'5")	
312C L	3750 mm (12'4")		3750 mm (12'4")	
<b>6</b> Ground clearance	440 mm (1'5")		440 mm (1'5")	
<b>7</b> Track gauge	1990 mm (6'6")		1990 mm (6'6")	
<b>8</b> Transport width	with 500 mm (20") 2490 mm (8'2")	with 600 mm (24") 2590 mm (8'6")	with 700 mm (28") 2690 mm (8'10")	with 770 mm (30") 2760 mm (9'1")

# 312C/312C L Hydraulic Excavators

## Working Ranges



Stick Length	2500 mm (8'2") Stick*	3000 mm (9'10") Stick*
<b>1</b> Maximum Digging Depth	5550 mm (18'3")	6050 mm (19'10")
<b>2</b> Maximum Reach at Ground Level	8175 mm (26'10")	8625 mm (28'4")
<b>3</b> Maximum Cutting Height	8475 mm (27'10")	8695 mm (28'6")
<b>4</b> Maximum Loading Height	6095 mm (20'0")	6330 mm (20'9")
<b>5</b> Minimum Loading Height	2010 mm (6'7")	1525 mm (5'0")
<b>6</b> Maximum Depth Cut for 2440 mm (8') Level Bottom	5340 mm (17'6")	5865 mm (19'3")
<b>7</b> Maximum Vertical Wall Digging Depth	4970 mm (16'4")	5345 mm (17'6")
Stick Digging Force (SAE)	63 kN (14,160 lb)	57 kN (12,810 lb)
Bucket Digging Force (SAE)	84 kN (18,880 lb)	84 kN (18,880 lb)

\* - Measurements shown are for machines equipped with the 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>) bucket

# 312C/312C L Hydraulic Excavators

## Operating Weights

Caterpillar designed and built track-type undercarriage.

Track Width		Operating Weight (medium stick)		Operating Weight (long stick)	
312C	500 mm (20") triple grouser	12 550 kg	(27,670 lb)	12 620 kg	(27,820 lb)
	600 mm (24") triple grouser	12 780 kg	(28,170 lb)	12 860 kg	(28,350 lb)
	700 mm (28") triple grouser	13 020 kg	(28,700 lb)	13 100 kg	(28,880 lb)
	770 mm (30") triple grouser	13 150 kg	(28,990 lb)	13 230 kg	(29,190 lb)
	<b>Blade: add</b>	750 kg	(1653 lb)		
312C L	500 mm (20") triple grouser	12 840 kg	(28,310 lb)	12 910 kg	(28,460 lb)
	600 mm (24") triple grouser	13 070 kg	(28,810 lb)	13 140 kg	(28,970 lb)
	700 mm (28") triple grouser	13 330 kg	(29,390 lb)	13 400 kg	(29,540 lb)
	770 mm (30") triple grouser	13 460 kg	(29,670 lb)	13 540 kg	(29,850 lb)
	<b>Blade: add</b>	750 kg	(1653 lb)		

## Buckets

Buckets have tapered sides, angled corner teeth, dual radius curvature, horizontal wear strips, and holes for optional side cutters.

Width		Capacity		Recommended Maximum Material Density			
mm	in	m <sup>3</sup>	yd <sup>3</sup>	Medium Stick		Long Stick	
				kg/m <sup>3</sup>	lb/yd <sup>3</sup>	kg/m <sup>3</sup>	lb/yd <sup>3</sup>
610	24	0.30	0.39	1800	3000	1800	3000
760	30	0.40	0.53	1800	3000	1800	3000
910	36	0.52	0.68	1800	3000	1500	2500
1070	42	0.63	0.82	1500	2500	1200	2000
1220	48	0.74	0.97	1500	2500	1200	2000

## Material Densities

Material	kg/m <sup>3*</sup>	lb/yd <sup>3**</sup>	Material	kg/m <sup>3*</sup>	lb/yd <sup>3**</sup>
Clay, dry	1480	2500	Gravel, pit run	1930	3250
Clay, wet	1660	2800	Rock/dirt, 50%	1720	2900
Earth, dry	1510	2550	Sand, dry	1420	2400
Earth, wet	1600	2700	Sand, wet	1840	3100
Loam	1250	2100	Sand & Clay	1600	2700
Gravel, dry	1510	2550	Stone, crushed	1600	2700
Gravel, wet	2020	3400	Top soil	950	1600

\* kilograms per loose cubic meter

\*\* pounds per loose cubic yard

For densities of other materials see Caterpillar Performance Handbook

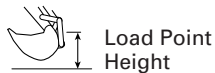
## Undercarriage

Caterpillar designed and built track-type undercarriage.

Track Width	Ground Pressure	
	312C	312C L
500 mm (20") triple grouser	39 kPa (5.66 psi)	—
600 mm (24") triple grouser	33 kPa (4.79 psi)	31 kPa (4.50 psi)
700 mm (28") triple grouser	29 kPa (4.21 psi)	27 kPa (3.92 psi)
770 mm (30") triple grouser	—	25 kPa (3.63 psi)

# 312C/312C L Hydraulic Excavators

## Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front















Load Radius Over Side

**R2.5 STICK** – 2500 mm (8'2")  
**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

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

**BOOM** – 4650 mm (15'3")  
**BLADE** – Up













		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft
												
6.0 m 20.0 ft	kg lb									*1350 *2950	*1350 *2950	6.63 21.52
4.5 m 15.0 ft	kg lb					*3000 *6550	*3000 *6550	2950 6300	2200 4700	*1250 *2750	*1250 *2750	7.51 24.52
3.0 m 10.0 ft	kg lb			*5050 *10,800	*5050 *10,800	*3800 *8150	3450 7450	2900 6200	2150 4600	*1250 *2800	*1250 *2800	7.93 25.99
1.5 m 5.0 ft	kg lb			*7650 *16,400	6000 12,850	4450 9500	3200 6900	2800 5950	2050 4400	*1350 *2950	1250 2750	8.00 26.24
Ground Line	kg lb			*6750 *15,650	5600 12,000	4200 9050	3000 6500	2700 5750	1950 4200	*1500 *3300	1300 2850	7.72 25.32
-1.5 m -5.0 ft	kg lb	*4300 *9650	*4300 *9650	8350 17,750	5500 11,800	4100 8850	2950 6300	2650 5650	1900 4100	*1850 *4050	1550 3350	7.05 23.07
-3.0 m -10.0 ft	kg lb	*7650 *17,250	*7650 *17,250	*7850 *16,950	5600 12,000	4150 8900	2950 6350			*2550 *5650	2100 4650	5.83 18.95
-4.5 m -15.0 ft	kg lb									*4600	4550	3.52

\* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

**R2.5 STICK** – 2500 mm (8'2")  
**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

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

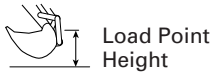
**BOOM** – 4650 mm (15'3")  
**BLADE** – Down

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft
												
6.0 m 20.0 ft	kg lb									*1350 *2950	*1350 *2950	6.63 21.52
4.5 m 15.0 ft	kg lb					*3000 *6550	*3000 *6550	*3000 *6550	2200 4700	*1250 *2750	*1250 *2750	7.51 24.52
3.0 m 10.0 ft	kg lb			*5050 *10,800	*5050 *10,800	*3800 *8150	3450 7450	*3250 *7100	2150 4600	*1250 *2800	*1250 *2800	7.93 25.99
1.5 m 5.0 ft	kg lb			*7650 *16,400	6000 12,850	*4800 *10,300	3200 6900	*3700 *8050	2050 4400	*1350 *2950	1250 2750	8.00 26.24
Ground Line	kg lb			*6750 *15,650	5600 12,000	*5500 *11,900	3000 6500	*4050 *8800	1950 4200	*1500 *3300	1300 2850	7.72 25.32
-1.5 m -5.0 ft	kg lb	*4300 *9650	*4300 *9650	*8800 *19,100	5500 11,800	*5750 *12,400	2950 6300	*4100 *8900	1900 4100	*1850 *4050	1550 3350	7.05 23.07
-3.0 m -10.0 ft	kg lb	*7650 *17,250	*7650 *17,250	*7850 *16,950	5600 12,000	*5250 *11,250	2950 6350			*2550 *5650	2100 4650	5.83 18.95
-4.5 m -15.0 ft	kg lb									*4600	4550	3.52

\* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

# 312C/312C L Hydraulic Excavators

## Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

**R2.5 STICK** – 2500 mm (8'2")











**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long

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

**BOOM** – 4650 mm (15'3")

**BLADE** – Up

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				
												
6.0 m 20.0 ft	kg lb									*1350 *2950	*1350 *2950	6.63 21.52
4.5 m 15.0 ft	kg lb					*3000 *6550	*3000 *6550	*3000 *6550	2250 4800	*1250 *2750	*1250 *2750	7.51 24.52
3.0 m 10.0 ft	kg lb			*5050 *10,800	*5050 *10,800	*3800 *8200	3550 7600	*3250 *7100	2200 4700	*1250 *2800	*1250 *2800	7.93 26.00
1.5 m 5.0 ft	kg lb			*7650 *16,400	6100 13,100	*4800 *10,300	3300 7050	3250 6900	2100 4500	*1350 *2950	1300 2850	8.00 26.24
Ground Line	kg lb			*6750 *15,650	5700 12,250	4950 10,600	3100 6650	3150 6700	2000 4300	*1500 *3300	1350 2950	7.72 25.32
-1.5 m -5.0 ft	kg lb	*4300 *9650	*4300 *9650	*8800 *19,100	5650 12,050	4850 10,400	3000 6450	3100 6600	1950 4200	*1850 *4050	1550 3450	7.05 23.07
-3.0 m -10.0 ft	kg lb	*7650 *17,250	*7650 *17,250	*7850 *16,950	5700 12,250	4900 10,450	3050 6500			*2550 *5650	2150 4750	5.83 18.94

\* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

**R2.5 STICK** – 2500 mm (8'2")











**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long

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

**BOOM** – 4650 mm (15'3")

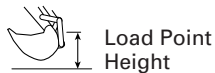
**BLADE** – Down

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				
												
6.0 m 20.0 ft	kg lb									*1350 *2950	*1350 *2950	6.63 21.52
4.5 m 15.0 ft	kg lb					*3000 *6550	*3000 *6550	*3000 *6550	2250 4800	*1250 *2750	*1250 *2750	7.51 24.52
3.0 m 10.0 ft	kg lb			*5050 *10,800	*5050 *10,800	*3800 *8200	3550 7600	*3250 *7100	2200 4700	*1250 *2800	*1250 *2800	7.93 26.00
1.5 m 5.0 ft	kg lb			*7650 *16,400	6100 13,100	*4800 *10,300	3300 7050	*3700 *8050	2100 4500	*1350 *2950	1300 2850	8.00 26.24
Ground Line	kg lb			*6750 *15,650	5700 12,250	*5500 *11,900	3100 6650	*4050 *8800	2000 4300	*1500 *3300	1350 2950	7.72 25.32
-1.5 m -5.0 ft	kg lb	*4300 *9650	*4300 *9650	*8800 *19,100	5650 12,050	*5750 *12,400	3000 6450	*4100 *8900	1950 4200	*1850 *4050	1550 3450	7.05 23.07
-3.0 m -10.0 ft	kg lb	*7650 *17,250	*7650 *17,250	*7850 *16,950	5700 12,250	*5250 *11,250	3050 6500			*2550 *5650	2150 4750	5.83 18.94

\* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

# 312C/312C L Hydraulic Excavators

## Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front












Load Radius Over Side

**R2.5 STICK** – 2500 mm (8'2")  
**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long  
**SHOES** – 770 mm (30") triple grouser

**BOOM** – 4650 mm (15'3")  
**BLADE** – Up










		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft
												
6.0 m 20.0 ft	kg lb									*1350 *2950	*1350 *2950	6.63 21.52
4.5 m 15.0 ft	kg lb					*3000 *6550	*3000 *6550	*3000 *6550	2300 4950	*1250 *2750	*1250 *2750	7.51 24.52
3.0 m 10.0 ft	kg lb			*5050 *10,800	*5050 *10,800	*3800 *8200	3650 7800	*3250 *7100	2250 4850	*1250 *2800	*1250 *2800	7.93 26.00
1.5 m 5.0 ft	kg lb			*7650 *16,400	6250 13,450	*4800 *10,300	3400 7250	3350 7150	2150 4600	*1350 *2950	1350 2950	8.00 26.24
Ground Line	kg lb			*6750 *15,650	5850 12,600	5100 10,950	3200 6800	3250 6950	2050 4400	*1500 *3300	1400 3050	7.72 25.32
-1.5 m -5.0 ft	kg lb	*4300 *9650	*4300 *9650	*8800 *19,100	5800 12,400	5000 10,750	3100 6650	3200 6850	2050 4350	*1850 *4050	1600 3550	7.05 23.07
-3.0 m -10.0 ft	kg lb	*7650 *17,250	*7650 *17,250	*7850 *16,950	5900 12,600	5050 10,800	3100 6700			*2550 *5650	2200 4900	5.83 18.94

\* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

**R2.5 STICK** – 2500 mm (8'2")  
**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long  
**SHOES** – 770 mm (30") triple grouser

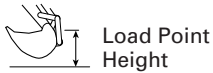
**BOOM** – 4650 mm (15'3")  
**BLADE** – Down

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft
												
6.0 m 20.0 ft	kg lb									*1350 *2950	*1350 *2950	6.63 21.52
4.5 m 15.0 ft	kg lb					*3000 *6550	*3000 *6550	*3000 *6550	2300 4950	*1250 *2750	*1250 *2750	7.51 24.52
3.0 m 10.0 ft	kg lb			*5050 *10,800	*5050 *10,800	*3800 *8200	3650 7800	*3250 *7100	2250 4850	*1250 *2800	*1250 *2800	7.93 26.00
1.5 m 5.0 ft	kg lb			*7650 *16,400	6250 13,450	*4800 *10,300	3400 7250	*3700 *8050	2150 4600	*1350 *2950	1350 2950	8.00 26.24
Ground Line	kg lb			*6750 *15,650	5850 12,600	*5500 *11,900	3200 6800	*4050 *8800	2050 4400	*1500 *3300	1400 3050	7.72 25.32
-1.5 m -5.0 ft	kg lb	*4300 *9650	*4300 *9650	*8800 *19,100	5800 12,400	*5750 *12,400	3100 6650	*4100 *8900	2050 4350	*1850 *4050	1600 3550	7.05 23.07
-3.0 m -10.0 ft	kg lb	*7650 *17,250	*7650 *17,250	*7850 *16,950	5900 12,600	*5250 *11,250	3100 6700			*2550 *5650	2200 4900	5.83 18.94

\* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

# 312C/312C L Hydraulic Excavators

## Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

**R3.0 STICK** – 3000 mm (9'10")














**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

**UNDERCARRIAGE** – Standard

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

**BOOM** – 4650 mm (15'3")

**BLADE** – Up

		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											*1400 *3050	*1400 *3050	5.77 18.43
6.0 m 20.0 ft	kg lb							*2200 *4350	*2200 *4350			*1200 *2600	*1200 *2600	7.18 23.34
4.5 m 15.0 ft	kg lb							*2600 *5750	2250 4750			*1150 *2500	*1150 *2500	7.98 26.09
3.0 m 10.0 ft	kg lb					*3300 *7150	*3300 *7150	2900 6200	2150 4600	*1650 *3600	1400 3100	*1150 *2500	*1150 *2500	8.38 27.46
1.5 m 5.0 ft	kg lb			*6750 *14,550	6150 13,250	*4350 *9450	3250 7000	2800 5950	2050 4350	1900 4050	1350 2900	*1250 *2700	1100 2450	8.44 27.70
Ground Line	kg lb			*7800 18,050	5600 12,050	4200 9050	3000 6450	2650 5700	1950 4150	1850 4050	1350 2900	*1400 *3050	1150 2550	8.18 26.83
-1.5 m -5.0 ft	kg lb	*3950 *8800	*3950 *8800	8250 17,600	5450 11,650	4100 8750	2900 6200	2600 5550	1850 4000			*1650 *3650	1300 2900	7.56 24.75
-3.0 m -10.0 ft	kg lb	*6550 *14,800	*6550 *14,800	*8300 17,700	5500 11,750	4050 8700	2900 6200	2600 5600	1900 4050			*2250 *5000	1750 3850	6.46 21.03
-4.5 m -15.0 ft	kg lb			*6500 *13,750	5700 12,200	*4150 *8550	3000 6450					*3600 *7950	2700 6150	4.83 15.56

\* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

**R3.0 STICK** – 3000 mm (9'10")














**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

**UNDERCARRIAGE** – Standard

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

**BOOM** – 4650 mm (15'3")

**BLADE** – Down

		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											*1400 *3050	*1400 *3050	5.77 18.43
6.0 m 20.0 ft	kg lb							*2200 *4350	*2200 *4350			*1200 *2600	*1200 *2600	7.18 23.34
4.5 m 15.0 ft	kg lb							*2600 *5750	2250 4750			*1150 *2500	*1150 *2500	7.98 26.09
3.0 m 10.0 ft	kg lb					*3300 *7150	*3300 *7150	*2950 *6450	2150 4600	*1650 *3600	1400 3100	*1150 *2500	*1150 *2500	8.38 27.46
1.5 m 5.0 ft	kg lb			*6750 *14,550	6510 13,250	*4350 *9450	3250 7000	*3450 *7450	2050 4350	*2350 *4250	1350 2900	*1250 *2700	1100 2450	8.44 27.70
Ground Line	kg lb			*7800 *18,100	5600 12,050	*5250 *11,350	3000 6450	*3900 *8400	1950 4150	*2100 *4650	1350 2900	*1400 *3050	1150 2550	8.18 26.83
-1.5 m -5.0 ft	kg lb	*3950 *8800	*3950 *8800	*8750 *19,200	5450 11,650	*5650 *12,250	2900 6200	*4100 *8800	1850 4000			*1650 *3650	1300 2900	7.56 24.75
-3.0 m -10.0 ft	kg lb	*6550 *14,800	*6550 *14,800	*8300 *17,850	5500 11,750	*5450 *11,700	2900 6200	*3800 *8000	1900 4050			*2250 *5000	1750 3850	6.46 21.03
-4.5 m -15.0 ft	kg lb			*6500 *13,750	5700 12,200	*4150 *8550	3000 6450					*3600 *7950	2700 6150	4.83 15.56

\* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

# 312C/312C L Hydraulic Excavators

## Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front
















Load Radius Over Side

**R3.0 STICK** – 3000 mm (9'10")  
**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

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

**BOOM** – 4650 mm (15'3")  
**BLADE** – Up














		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											*1400 *3050	*1400 *3050	5.77 18.44
6.0 m 20.0 ft	kg lb							*2200 *4350	*2200 *4350			*1200 *2600	*1200 *2600	7.18 23.34
4.5 m 15.0 ft	kg lb							*2600 *5750	2300 4850			*1150 *2500	*1150 *2500	7.98 26.10
3.0 m 10.0 ft	kg lb					*3300 *7150	*3300 *7150	*2950 *6450	2200 4700	*1650 *3600	1450 3150	*1150 *2500	*1150 *2500	8.38 27.47
1.5 m 5.0 ft	kg lb			*6750 *14,550	6300 13,500	*4350 *9450	3300 7100	3250 6950	2100 4450	2200 *4250	1400 3000	*1250 *2700	1150 2500	8.44 27.70
Ground Line	kg lb			*7800 *18,100	5750 12,300	4950 10,600	3100 6600	3100 6650	2000 4250	*2100 *4650	1350 3000	*1400 *3050	1200 2600	8.18 26.83
-1.5 m -5.0 ft	kg lb	*3950 *8800	*3950 *8800	*8750 *19,200	5550 11,900	4800 10,300	2950 6350	3050 6500	1900 4100			*1650 *3650	1350 2950	7.56 24.75
-3.0 m -10.0 ft	kg lb	*6600 *14,800	*6600 *14,800	*8300 *17,850	5600 12,000	4800 10,300	2950 6300	3050 6550	1950 4150			*2250 *5000	1800 3950	6.45 21.03
-4.5 m -15.0 ft	kg lb			*6450 *13,750	5800 12,450	*4100 *8550	3050 6600					*3600 *7950	2800 6300	4.83 15.55

\* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

**R3.0 STICK** – 3000 mm (9'10")  
**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

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

**BOOM** – 4650 mm (15'3")  
**BLADE** – Down

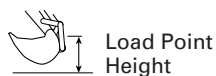
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)				
														m ft
7.5 m 25.0 ft	kg lb											*1400 *3050	*1400 *3050	5.77 18.44
6.0 m 20.0 ft	kg lb							*2200 *4350	*2200 *4350			*1200 *2600	*1200 *2600	7.18 23.34
4.5 m 15.0 ft	kg lb							*2600 *5750	2300 4850			*1150 *2500	*1150 *2500	7.98 26.10
3.0 m 10.0 ft	kg lb					*3300 *7150	*3300 *7150	*2950 *6450	2200 4700	*1650 *3600	1450 3150	*1150 *2500	*1150 *2500	8.38 27.47
1.5 m 5.0 ft	kg lb			*6750 *14,550	6300 13,500	*4350 *9450	3300 7100	*3450 *7450	2100 4450	*2350 *4250	1400 3000	*1250 *2700	1150 2500	8.44 27.70
Ground Line	kg lb			*7800 *18,100	5750 12,300	*5250 *11,350	3100 6600	*3900 *8400	2000 4250	*2100 *4650	1350 3000	*1400 *3050	1200 2600	8.18 26.83
-1.5 m -5.0 ft	kg lb	*3950 *8800	*3950 *8800	*8750 *19,200	5550 11,900	*5650 *12,250	2950 6350	*4100 *8800	1900 4100			*1650 *3650	1350 2950	7.56 24.75
-3.0 m -10.0 ft	kg lb	*6600 *14,800	*6600 *14,800	*8300 *17,850	5600 12,000	*5450 *11,700	2950 6300	*3800 *8000	1950 4150			*2250 *5000	1800 3950	6.45 21.03
-4.5 m -15.0 ft	kg lb			*6450 *13,750	5800 12,450	*4100 *8550	3050 6600					*3600 *7950	2800 6300	4.83 15.55

\* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.



# 312C/312C L Hydraulic Excavators

## Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front

















Load Radius Over Side

**R3.0 STICK** – 3000 mm (9'10")  
**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

**UNDERCARRIAGE** – Standard  
**SHOES** – 770 mm (30") triple grouser

**BOOM** – 4650 mm (15'3")  
**BLADE** – Up















	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											*1400 *3050	*1400 *3050	5.77 18.43
6.0 m 20.0 ft	kg lb						*2200 *4350	*2200 *4350				*1200 *2600	*1200 *2600	7.18 23.34
4.5 m 15.0 ft	kg lb						*2600 *5750	2300 4900				*1150 *2500	*1150 *2500	7.98 26.09
3.0 m 10.0 ft	kg lb				*3300 *7150	*3300 *7150	*2950 6400	2200 4750	*1650 *3600	1450 3200	*1150 *2500	*1150 *2500	8.38 27.46	
1.5 m 5.0 ft	kg lb		*6750 *14,550	6300 13,550	*4350 *9450	3350 7150	2850 6150	2100 4500	1950 4150	1400 3000	*1250 *2700	1150 2550	8.44 27.70	
Ground Line	kg lb		*7800 *18,100	5750 12,350	4350 9300	3100 6650	2750 5900	2000 4250	1900 4200	1400 3000	*1400 *3050	1200 2600	8.18 26.83	
-1.5 m -5.0 ft	kg lb	*3950 *8800	*3950 *8800	8500 18,150	5600 12,000	4200 9000	3000 6400	2700 5750	1950 4150		*1650 *3650	1350 3000	7.56 24.75	
-3.0 m -10.0 ft	kg lb	*6550 *14,800	*6550 *14,800	*8300 *17,850	5650 12,050	4200 9000	2950 6350	2700 5800	1950 4150		*2250 *5000	1800 3950	6.46 21.03	
-4.5 m -15.0 ft	kg lb		*6500 *13,750	5850 12,550	*4150 *8550	3100 6650					*3600 *7950	2800 6350	4.83 15.56	

\* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

**R3.0 STICK** – 3000 mm (9'10")  
**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

**UNDERCARRIAGE** – Standard  
**SHOES** – 770 mm (30") triple grouser

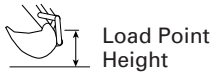
**BOOM** – 4650 mm (15'3")  
**BLADE** – Down

	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											*1400 *3050	*1400 *3050	5.77 18.43
6.0 m 20.0 ft	kg lb						*2200 *4350	*2200 *4350				*1200 *2600	*1200 *2600	7.18 23.34
4.5 m 15.0 ft	kg lb						*2600 *5750	2300 4900				*1150 *2500	*1150 *2500	7.98 26.09
3.0 m 10.0 ft	kg lb				*3300 *7150	*3300 *7150	*2950 *6450	2200 4750	*1650 *3600	1450 3200	*1150 *2500	*1150 *2500	8.38 27.46	
1.5 m 5.0 ft	kg lb		*6750 *14,550	6300 13,550	*4350 *9450	3350 7150	*3450 *7450	2100 4500	*2350 *4250	1400 3000	*1250 *2700	1150 2500	8.44 27.70	
Ground Line	kg lb		*7800 *18,100	5750 12,350	*5250 *11,350	3100 6650	*3900 *8400	2000 4250	*2100 *4650	1400 3000	*1400 *3050	1200 2600	8.18 26.83	
-1.5 m -5.0 ft	kg lb	*3950 *8800	*3950 *8800	*8750 *19,200	5600 12,000	*5650 *12,250	3000 6400	*4100 *8800	1950 4150		*1650 *3650	1350 3000	7.56 24.75	
-3.0 m -10.0 ft	kg lb	*6550 *14,800	*6550 *14,800	*8300 *17,850	5650 12,050	*5450 *11,700	2950 6350	*3800 *8000	1950 4150		*2250 *5000	1800 3950	6.46 21.03	
-4.5 m -15.0 ft	kg lb		*6500 *13,750	5850 12,550	*4150 *8550	3100 6650					*3600 *7950	2800 6350	4.83 15.56	

\* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

# 312C/312C L Hydraulic Excavators

## Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

**R3.0 STICK** – 3000 mm (9'10")















**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long

**SHOES** – 770 mm (30") triple grouser

**BOOM** – 4650 mm (15'3")

**BLADE** – Up

	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											*1400 *3050	*1400 *3050	5.77 18.44
6.0 m 20.0 ft	kg lb						*2200 *4350	*2200 *4350				*1200 *2600	*1200 *2600	7.18 23.34
4.5 m 15.0 ft	kg lb						*2600 *5750	2350 5000				*1150 *2500	*1150 *2500	7.98 26.10
3.0 m 10.0 ft	kg lb				*3300 *7150	*3300 *7150	*2950 *6450	2250 4850	*1650 *3600	1500 3250	*1150 *2500	*1150 *2500	8.38 27.47	
1.5 m 5.0 ft	kg lb		*6750 *14,550	6450 13,850	*4350 *9450	3400 7300	3350 7150	2150 4600	2300 *4250	1450 3100	*1250 *2700	1200 2600	8.44 27.70	
Ground Line	kg lb		*7800 *18,100	5900 12,650	5100 10,950	3200 6800	3200 6900	2050 4350	*2100 *4650	1400 3100	*1400 *3050	1250 2700	8.18 26.83	
-1.5 m -5.0 ft	kg lb	*3950 *8800	*3950 *8800	*8750 *19,200	5750 12,250	4950 10,650	3050 6550	3150 6750	2000 4250			*1650 *3650	1400 3100	7.56 24.75
-3.0 m -10.0 ft	kg lb	*6600 *14,800	*6600 *14,800	*8300 *17,850	5750 12,350	4950 10,600	3050 6500	3150 6750	2000 4250			*2250 *5000	1850 4050	6.45 21.03
-4.5 m -15.0 ft	kg lb			*6450 *13,750	5950 12,800	*4100 *8550	3150 6800					*3600 *7950	2850 6500	4.83 15.55

\* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

**R3.0 STICK** – 3000 mm (9'10")















**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long

**SHOES** – 770 mm (30") triple grouser

**BOOM** – 4650 mm (15'3")

**BLADE** – Down

	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											*1400 *3050	*1400 *3050	5.77 18.44
6.0 m 20.0 ft	kg lb						*2200 *4350	*2200 *4350				*1200 *2600	*1200 *2600	7.18 23.34
4.5 m 15.0 ft	kg lb						*2600 *5750	2350 5000				*1150 *2500	*1150 *2500	7.98 26.10
3.0 m 10.0 ft	kg lb				*3300 *7150	*3300 *7150	*2950 *6450	2250 4850	*1650 *3600	1500 3250	*1150 *2500	*1150 *2500	8.38 27.47	
1.5 m 5.0 ft	kg lb		*6750 *14,550	6450 13,850	*4350 *9450	3400 7300	*3450 *7450	2150 4600	*2350 *4250	1450 3100	*1250 *2700	1200 2600	8.44 27.70	
Ground Line	kg lb		*7800 *18,100	5900 12,650	*5250 *11,350	3200 6800	*3900 *8400	2050 4350	*2100 *4650	1400 3100	*1400 *3050	1250 2700	8.18 26.83	
-1.5 m -5.0 ft	kg lb	*3950 *8800	*3950 *8800	*8750 *19,200	5750 12,250	*5650 *12,250	3050 6550	*4100 *8800	2000 4250			*1650 *3650	1400 3100	7.56 24.75
-3.0 m -10.0 ft	kg lb	*6600 *14,800	*6600 *14,800	*8300 *17,850	5750 12,350	*5450 *11,700	3050 6500	*3800 *8000	2000 4250			*2250 *5000	1850 4050	6.45 21.03
-4.5 m -15.0 ft	kg lb			*6450 *13,750	5950 12,800	*4100 *8550	3150 6800					*3600 *7950	2850 6500	4.83 15.55

\* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.