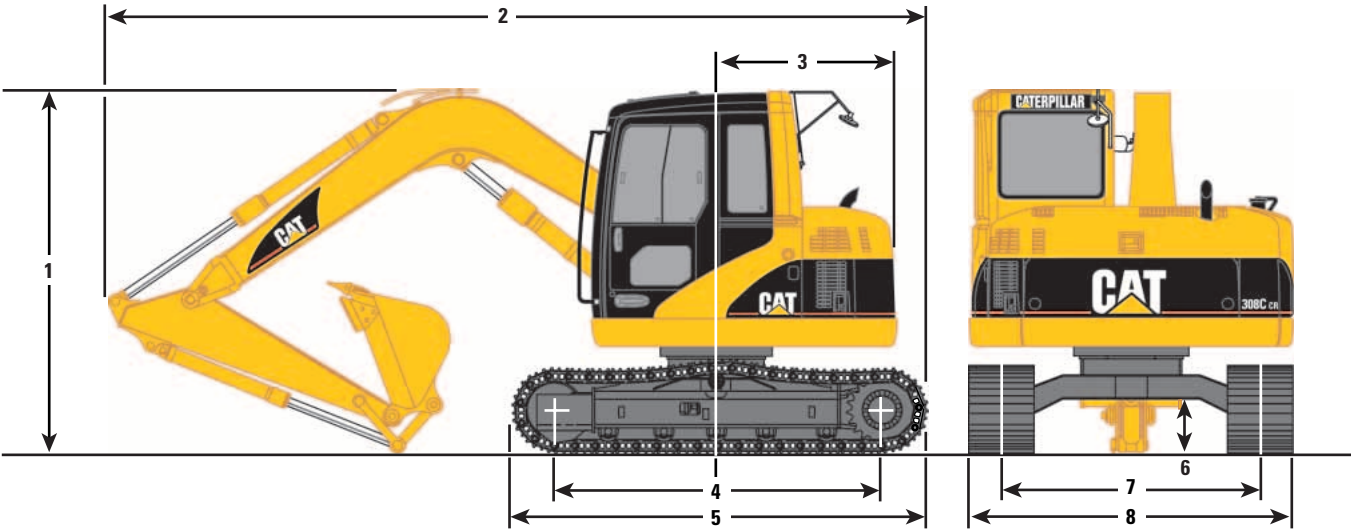


# 308C CR Hydraulic Excavator

## Dimensions

All dimensions are approximate.



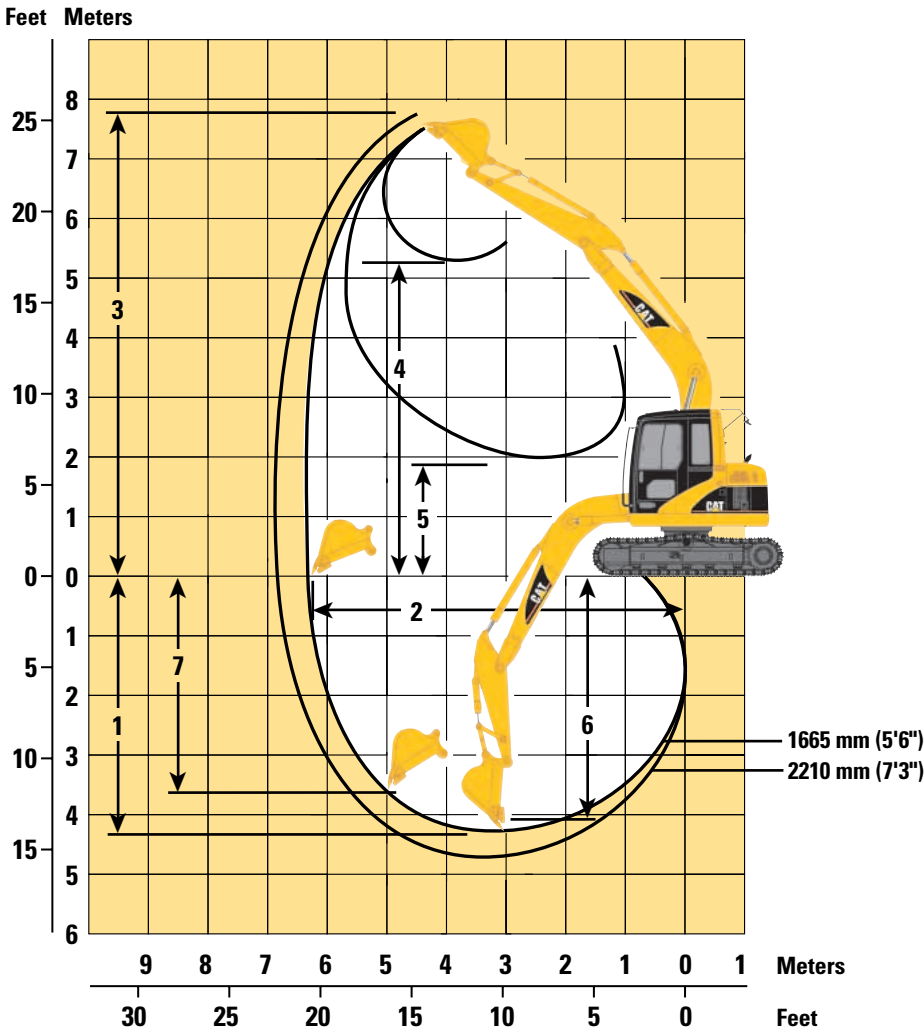
Boom 3.7 m (12'2")	1665 mm (5'6") Stick	2210 mm (7'3") Stick
1 Shipping height	2610 mm (8'7")	2740 mm (9'0")
2 Shipping length	5830 mm (19'2")	5850 mm (19'2")
3 Tail swing radius	1290 mm (4'3")	1290 mm (4'3")
4 Length to centers of rollers	2280 mm (7'6")	2280 mm (7'6")
5 Track length	2910 mm (9'7")	2910 mm (9'7")
6 Ground clearance	384 mm (15")	384 mm (15")
7 Track gauge	1870 mm (6'2")	1870 mm (6'2")
8 Transport width		
450 mm (18") shoes	2320 mm (7'7")	2320 mm (7'7")
600 mm (24") shoes	2470 mm (8'1")	2470 mm (8'1")

## Operating Weights

Caterpillar designed and built track-type undercarriage.

Track width	Operating Weight (medium stick)		Operating Weight (long stick)	
standard 450 mm (18") triple grouser	7430 kg	(16,370 lb)	7470 kg	(16,470 lb)
optional 600 mm (24") triple grouser	7600 kg	(16,760 lb)	7650 kg	(16,860 lb)
<b>2320 mm Blade:</b> add	380 kg	(850 lb)		
<b>2470 mm Blade:</b> add			390 kg	(870 lb)
<b>With 450 mm (18") Segmented Rubber Track:</b> add	23 kg	(100 lb)		

Working Ranges



Stick Length	1665 mm (5'6")	2210 mm (7'3")
1 Maximum Digging Depth	4140 mm (13'7")	4690 mm (15'5")
2 Maximum Reach at Ground Level	6250 mm (20'6")	6770 mm (22'3")
3 Maximum Cutting Height	7390 mm (24'3")	7810 mm (25'7")
4 Maximum Loading Height	5250 mm (17'3")	5670 mm (18'7")
5 Minimum Loading Height	2400 mm (7'10")	2060 mm (6'9")
6 Maximum Depth Cut for 2440 mm (8') Level Bottom	3800 mm (12'6")	4380 mm (14'4")
7 Maximum Vertical Wall Digging Depth	3600 mm (11'10")	4120 mm (13'6")
Minimum Front Swing Radius	1660 mm (5'5")	2180 mm (7'2")
Stick Digging Force (SAE)	35 kN (7850 lb)	31 kN (6880 lb)
Bucket Digging Force (SAE)	44 kN (9820 lb)	44 kN (9840 lb)

# 308C CR Hydraulic Excavator

## Buckets

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

Recommended Maximum Material Density							
Width		Capacity		Medium Stick		Long Stick	
mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg/m <sup>3</sup>	lbs/yd <sup>3</sup>	kg/m <sup>3</sup>	lbs/yd <sup>3</sup>
460	18	0.15	0.2	1800	3000	1800	3000
610	24	0.23	0.3	1800	3000	1800	3000
760	30	0.31	0.4	1800	3000	1500	2500
910	36	0.34	0.45	1500	2500	1200	2000

## Undercarriage

Caterpillar designed and built track-type undercarriage.

Track width	(with triple grouser shoes)	Ground Pressure (Average)
standard	450 mm (18") triple grouser	32.4 kPa (4.70 psi)
optional	600 mm (24") triple grouser	24.9 kPa (3.61 psi)
	450 mm (18") segmented rubber track	32.6 kPa (4.73 psi)

# 308C CR Hydraulic Excavator

## Reach Boom Lift Capacities



Load Point  
Height



Load at  
Maximum Reach



Load Radius  
Over Front



Load Radius  
Over Side

**1.67 STICK** – 1665 mm (5'6")











**BUCKET** – 750 mm (30")

**UNDERCARRIAGE** – Standard

**SHOES** – 450 mm (18") triple grouser

**BOOM** – 3700 mm (12'2")

**BLADE** – Up (or Without Blade)

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)				m ft
										
6.0 m 20.0 ft	kg lb							*750 *1650	*750 *1650	3.80 11.95
4.5 m 15.0 ft	kg lb			*2050 *4500	*2050 *4500			*600 *1350	*600 *1350	5.32 17.29
3.0 m 10.0 ft	kg lb			*2600 *5600	*2600 *5600	1650 3550	1350 2850	*600 *1300	*600 *1300	5.98 19.58
1.5 m 5.0 ft	kg lb			3100 6600	2400 5200	1600 3400	1300 2700	*650 *1350	*650 *1350	6.13 20.11
Ground Line	kg lb			2900 6250	2250 4850	1550 3250	1200 2600	*750 *1600	*750 *1600	5.82 19.08
-1.5 m -5.0 ft	kg lb	*3900 *8750	*3900 *8750	2900 6200	2250 4800	1500 3250	1200 2550	*1000 *2150	*1000 *2150	4.95 16.16
-3.0 m -10.0 ft	kg lb			*1600 *3150	*1600 *3150			*1300 *2750	*1300 *2750	3.26 10.48

\* 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.

**1.67 STICK** – 1665 mm (5'6")











**BUCKET** – 750 mm (30")

**UNDERCARRIAGE** – Standard

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

**BOOM** – 3700 mm (12'2")

**BLADE** – Up (or Without Blade)

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)				m ft
										
6.0 m 20.0 ft	kg lb							*750 *1650	*750 *1650	3.80 11.95
4.5 m 15.0 ft	kg lb			*2050 *4500	*2050 *4500			*600 *1350	*600 *1350	5.32 17.29
3.0 m 10.0 ft	kg lb			*2600 *5600	*2600 *5600	1700 3650	1400 2950	*600 *1300	*600 *1300	5.98 19.58
1.5 m 5.0 ft	kg lb			3150 6800	2500 5300	1650 3500	1300 2800	*650 *1300	*650 *1350	6.13 20.11
Ground Line	kg lb			3000 6400	2300 4950	1550 3350	1250 2650	*750 *1600	*750 *1600	5.82 19.08
-1.5 m -5.0 ft	kg lb	*3900 *8750	*3900 *8750	3000 6350	2300 4900	1550 3350	1250 2650	*1000 *2150	*1000 *2150	4.95 16.16
-3.0 m -10.0 ft	kg lb			*1600 *3150	*1600 *3150			*1300 *2750	*1300 *2750	3.26 10.48

\* 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.

# 308C CR Hydraulic Excavator

## Reach Boom Lift Capacities



Load Point  
Height



Load at  
Maximum Reach



Load Radius  
Over Front



Load Radius  
Over Side

**2.21 STICK** – 2210 mm (7'3")











**BUCKET** – 600 mm (24")

**UNDERCARRIAGE** – Standard

**SHOES** – 450 mm (18") triple grouser

**BOOM** – 3700 mm (12'2")

**BLADE** – Up (or Without Blade)

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)				m ft
										
6.0 m 20.0 ft	kg lb							*800 *1750	*800 *1750	4.66 14.89
4.5 m 15.0 ft	kg lb					*1650 *3450	1400 3000	*700 *1500	*700 *1500	5.91 19.26
3.0 m 10.0 ft	kg lb			*2200 *4750	*2200 *4750	1700 3600	1350 2900	*650 *1450	*650 *1450	6.50 21.30
1.5 m 5.0 ft	kg lb			*3100 *6650	2500 5300	1600 3400	1300 2750	*700 *1500	650 1450	6.64 21.78
Ground Line	kg lb			2900 6200	2250 4800	1500 3250	1200 2550	*800 *1750	700 1500	6.36 20.85
-1.5 m -5.0 ft	kg lb	*3150 *7100	*3150 *7100	2850 6050	2200 4650	1500 3150	1150 2450	*1000 *2250	850 1850	5.59 18.28
-3.0 m -10.0 ft	kg lb	*3800 *8100	*3800 *8100	*2300 *4900	2250 4800			*850 *1800	*850 *1800	4.01 12.92

\* 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.

**2.21 STICK** – 2210 mm (7'3")











**BUCKET** – 600 mm (24")

**UNDERCARRIAGE** – Standard

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

**BOOM** – 3700 mm (12'2")

**BLADE** – Up (or Without Blade)

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)				m ft
										
6.0 m 20.0 ft	kg lb							*800 *1750	*800 *1750	4.66 14.89
4.5 m 15.0 ft	kg lb					*1650 *3450	1450 3100	*700 *1500	*700 *1500	5.91 19.26
3.0 m 10.0 ft	kg lb			*2200 *4750	*2200 *4750	1750 3700	1400 3000	*650 *1450	*650 *1450	6.50 21.30
1.5 m 5.0 ft	kg lb			*3100 *6650	2550 5450	1650 3500	1300 2800	*700 *1500	700 1500	6.64 21.78
Ground Line	kg lb			3000 6400	2300 4950	1550 3350	1250 2650	*800 *1750	700 1550	6.36 20.85
-1.5 m -5.0 ft	kg lb	*3150 *7100	*3150 *7100	2900 6250	2250 4800	1500 3250	1200 2550	*1000 *2250	900 1900	5.59 18.28
-3.0 m -10.0 ft	kg lb	*3800 *8100	*3800 *8100	*2300 *4900	2300 *4900			*850 *1800	*850 *1800	4.01 12.92

\* 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.

# 308C CR Hydraulic Excavator

## Reach Boom Lift Capacities



Load Point  
Height



Load at  
Maximum Reach



Load Radius  
Over Front



Load Radius  
Over Side

**1.67 STICK** – 1665 mm (5'6")

**BUCKET** – 750 mm (30")

**UNDERCARRIAGE** – Standard

**SHOES** – 450 mm (18") triple grouser

**BOOM** – 3700 mm (12'2")

**BLADE** – Down

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)				m ft
6.0 m 20.0 ft	kg lb							*750 *1650	*750 *1650	3.80 11.95
4.5 m 15.0 ft	kg lb			*2050 *4500	*2050 *4500			*600 *1350	*600 *1350	5.32 17.29
3.0 m 10.0 ft	kg lb			*2600 *5600	*2600 *5600	*2000 *4350	1550 3300	*600 *1300	*600 *1300	5.98 19.58
1.5 m 5.0 ft	kg lb			*3400 *7300	2800 6000	*2250 *4800	1450 3150	*650 *1350	*650 *1350	6.13 20.11
Ground Line	kg lb			*3600 *7800	2650 5650	*2300 *4950	1400 3000	*750 *1600	*750 *1600	5.82 19.08
-1.5 m -5.0 ft	kg lb	*3900 *8750	*3900 *8750	*3150 *6750	2600 5600	*1900 *4000	1400 3000	*1000 *2150	*1000 *2150	4.95 16.16
-3.0 m -10.0 ft	kg lb			*1600 *3150	*1600 *3150			*1300 *2750	*1300 *2750	3.26 10.48

\* 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.

**1.67 STICK** – 1665 mm (5'6")

**BUCKET** – 750 mm (30")

**UNDERCARRIAGE** – Standard

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

**BOOM** – 3700 mm (12'2")

**BLADE** – Down

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)				m ft
6.0 m 20.0 ft	kg lb							*750 *1650	*750 *1650	3.80 11.95
4.5 m 15.0 ft	kg lb			*2050 *4500	*2050 *4500			*600 *1350	*600 *1350	5.32 17.29
3.0 m 10.0 ft	kg lb			*2600 *5600	*2600 *5600	*2000 *4350	1650 3550	*600 *1300	*600 *1300	5.98 19.58
1.5 m 5.0 ft	kg lb			*3400 *7300	3000 6500	*2250 *4800	1600 3400	*650 *1350	*650 *1350	6.13 20.11
Ground Line	kg lb			*3600 *7800	2850 6100	*2300 *4950	1500 3250	*750 *1600	*750 *1600	5.82 19.08
-1.5 m -5.0 ft	kg lb	*3900 *8750	*3900 *8750	*3150 *6750	2850 6050	*1900 *4000	1500 3200	*1000 *2150	*1000 *2150	4.95 16.16
-3.0 m -10.0 ft	kg lb			*1600 *3150	*1600 *3150			*1300 *2750	*1300 *2750	3.26 10.48

\* 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.

# 308C CR Hydraulic Excavator

## Reach Boom Lift Capacities



Load Point  
Height



Load at  
Maximum Reach



Load Radius  
Over Front



Load Radius  
Over Side

**2.21 STICK** – 2210 mm (7'3")











**BUCKET** – 600 mm (24")

**UNDERCARRIAGE** – Standard

**SHOES** – 450 mm (18") triple grouser

**BOOM** – 3700 mm (12'2")

**BLADE** – Down

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)				m ft
										
6.0 m 20.0 ft	kg lb							*800 *1750	*800 *1750	4.66 14.89
4.5 m 15.0 ft	kg lb					*1650 *3450	1600 3450	*700 *1500	*700 *1500	5.91 19.26
3.0 m 10.0 ft	kg lb			*2200 *4750	*2200 *4750	*1800 *3900	1550 3350	*650 *1450	*650 *1450	6.50 21.30
1.5 m 5.0 ft	kg lb			*3100 *6650	2850 6150	*2100 *4500	1500 3150	*700 *1500	*700 *1500	6.64 21.78
Ground Line	kg lb			*3550 *7700	2650 5650	*2300 *4900	1400 2950	*800 *1750	*800 *1750	6.36 20.85
-1.5 m -5.0 ft	kg lb	*3150 *7100	*3150 *7100	*3350 *7200	2550 5500	*2100 *4550	1350 2900	*1000 *2250	1000 2200	5.59 18.28
-3.0 m -10.0 ft	kg lb	*3800 *8100	*3800 *8100	*2300 *4900	*2300 *4900			*850 *1800	*850 *1800	4.01 12.92

\* 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.

**2.21 STICK** – 2210 mm (7'3")











**BUCKET** – 600 mm (24")

**UNDERCARRIAGE** – Standard

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

**BOOM** – 3700 mm (12'2")

**BLADE** – Down

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)				m ft
										
6.0 m 20.0 ft	kg lb							*800 *1750	*800 *1750	4.66 14.89
4.5 m 15.0 ft	kg lb					*1650 *3450	*1650 *3450	*700 *1500	*700 *1500	5.91 19.26
3.0 m 10.0 ft	kg lb			*2200 *4750	*2200 *4750	*1800 *3900	1700 3600	*650 *1450	*650 *1450	6.50 21.30
1.5 m 5.0 ft	kg lb			*3100 *6650	3100 6600	*2100 *4500	1600 3400	*700 *1500	*700 *1500	6.64 21.78
Ground Line	kg lb			*3550 *7700	2850 6100	*2300 *4900	1500 3200	*800 *1750	*800 *1750	6.36 20.85
-1.5 m -5.0 ft	kg lb	*3150 *7100	*3150 *7100	*3350 *7200	2800 5950	*2100 *4550	1450 3150	*1000 *2250	*1000 *2250	5.59 18.28
-3.0 m -10.0 ft	kg lb	*3800 *8100	*3800 *8100	*2300 *4900	*2300 *4900			*850 *1800	*850 *1800	4.01 12.92

\* 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.