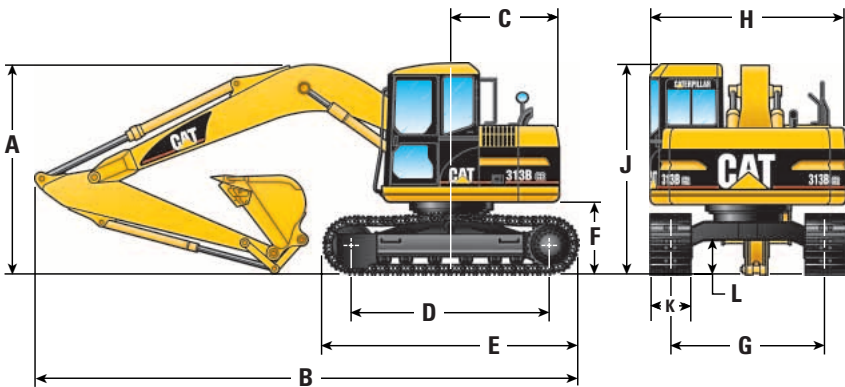


313B CR Compact Radius Hydraulic Excavator

313B CR Dimensions and Working Ranges

All dimensions are approximate. Machine dimensions are shown using a 2.50 m (8' 2") stick and 500 mm (20") shoes.



A	Shipping height	2820 mm (9' 3")
B	Shipping length	7170 mm (23' 6")
C	Tail swing radius	1460 mm (4' 9")
D	Length to centers of rollers	2780 mm (9' 1")
E	Track length	3490 mm (11' 5")
F	Counterweight clearance	880 mm (2' 11")
G	Track gauge	1990 mm (6' 6")
H	Transport width	2490 mm (8' 2")
J	Height to top of cab	2730 mm (8' 11")
K	Track width	500 mm (20")
L	Ground clearance	440 mm (17")

Implement Controls

Two joystick hand levers actuate boom, stick, bucket and swing (SAE pattern).

Boom/Bucket Controls (right joystick)

- move forward and backward to lower and raise boom
- move left and right to control bucket curl and dump
- button on top is one-touch low idle

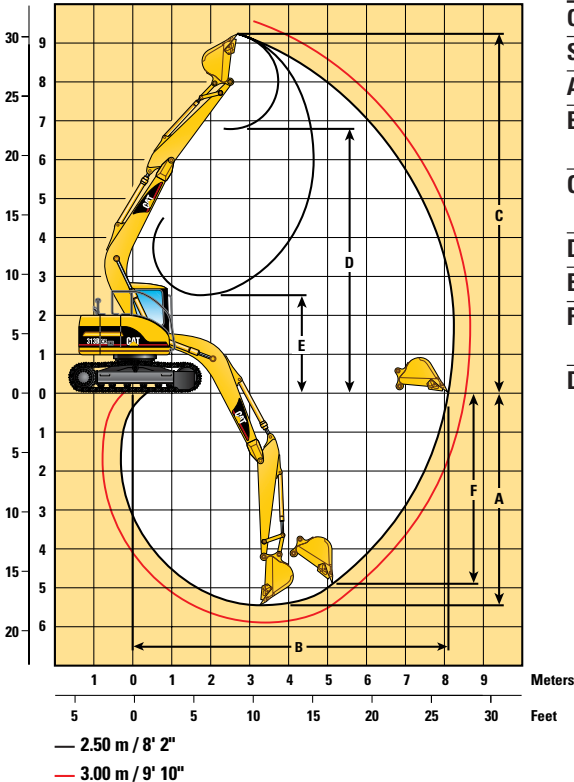
Stick/Swing Controls (left joystick)

- move forward and backward to move stick out and in
- move left and right to control direction of swing
- button on top controls horn

Other Features

- oblique movement of either lever operates two functions simultaneously
- manually applied lever on left console cuts off pilot pressure for joysticks and travel controls and electrical power for engine starting circuit

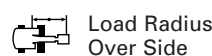
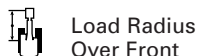
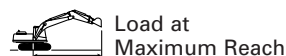
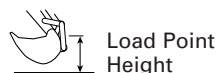
Feet Meters



One-piece boom		
Stick	2500 mm (8' 2") Stick	3000 mm (9' 10") Stick
A Max. Digging Depth	5450 mm (17' 11")	5950 mm (19' 6")
B Max. Reach at ground level	8100 mm (26' 7")	8550 mm (28' 1")
C Max. Cutting Height to Bucket Teeth	9240 mm (30' 4")	9560 mm (31' 4")
D Max. Loading Height	6810 mm (22' 4")	7130 mm (23' 5")
E Min. Loading Height	2470 mm (8' 1")	2020 mm (6' 8")
F Max. Vertical Wall Digging Depth	4870 mm (16' 0")	5240 mm (17' 2")
Digging Forces		
Stick	57 kN (12,900 lb)	52 kN (11,570 lb)
Bucket	77 kN (17,300 lb)	77 kN (17,330 lb)

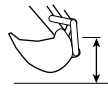
313B CR Compact Radius Hydraulic Excavator

Lift Capacities – 2500 mm (8' 2") stick; .57 cu. liter (0.75 yd³/36") bucket; 600 mm (24") shoes



BLADE – Up (or no blade)
STICK – 2500 mm (8' 2")

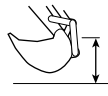
BUCKET – .57 liter³ (.75 yd³/36")
SHOES – 600 mm (24") triple grouser

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)						
												m ft		
7.5 m 25.0 ft	kg lb									*1400 *3100	*1400 *3100	5.08 16.06		
6.0 m 20.0 ft	kg lb					*2650 *5750	*2650 *5750			*1200 *2600	*1200 *2600	6.63 21.52		
4.5 m 15.0 ft	kg lb					*2850 *6150	*2850 *6150	*2550 *5600	2000 4200	*1100 *2450	*1100 *2450	7.48 24.43		
3.0 m 10.0 ft	kg lb			*4750 *10,150	*4750 *10,150	*3400 *7300	3150 6750	2650 5650	1900 4100	*1150 *2450	*1150 *2450	7.88 25.83		
1.5 m 5.0 ft	kg lb			*6300 *13,500	5400 11,650	*3950 *8550	2900 6200	2550 5450	1850 3900	*1200 *2650	1100 2450	7.93 26.02		
Ground Line	kg lb			*6600 *14,350	5050 10,800	3900 8300	2700 5800	2450 5250	1750 3700	*1350 *3000	1200 2550	7.63 25.04		
-1.5 m -5.0 ft	kg lb			*4150 *9250	*4150 *9250	*6050 *13,050	5000 10,650	3800 8100	2650 5650	2400 5200	1700 3650	*1650 *3650	1400 3050	6.94 22.71
-3.0 m -10.0 ft	kg lb			*7150 *15,350	*7150 *15,350	*4750 *10,200	*4750 *10,200	*3250 *6850	2650 5700			*1550 *3350	*1550 *3350	5.68 18.46

* 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.

BLADE – Down
STICK – 2500 mm (8' 2")

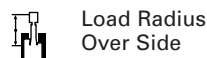
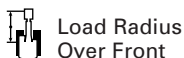
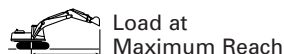
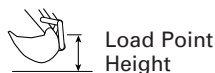
BUCKET – .57 liter³ (.75 yd³/36")
SHOES – 600 mm (24") triple grouser

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft		
														
7.5 m 25.0 ft	kg lb									*1400 *3100	*1400 *3100	5.08 16.06		
6.0 m 20.0 ft	kg lb					*2650 *5750	*2650 *5750			*1200 *2600	*1200 *2600	6.63 21.52		
4.5 m 15.0 ft	kg lb					*2850 *6150	*2850 *6150	*2550 *5600	2000 4200	*1100 *2450	*1100 *2450	7.48 24.43		
3.0 m 10.0 ft	kg lb			*4750 *10,150	*4750 *10,150	*3400 *7300	3150 6750	*2750 *5950	1900 4100	*1150 *2450	*1150 *2450	7.88 25.83		
1.5 m 5.0 ft	kg lb			*6300 *13,500	5400 11,650	*3950 *8550	2900 6200	*2950 *6400	1850 3900	*1200 *2650	1100 2450	7.93 26.02		
Ground Line	kg lb			*6600 *14,350	5050 10,800	*4250 *9150	2700 5800	*3050 *6550	1750 3700	*1350 *3000	1200 2550	7.63 25.04		
-1.5 m -5.0 ft	kg lb			*4150 *9250	*4150 *9250	*6050 *13,050	5000 10,650	*4050 *8750	2650 5650	*2800 *6000	1700 3650	*1650 *3650	1400 3050	6.94 22.71
-3.0 m -10.0 ft	kg lb			*7150 *15,350	*7150 *15,350	*4750 *10,200	*4750 *10,200	*3250 *6850	2650 5700			*1550 *3350	*1550 *3350	5.68 18.46

* 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.

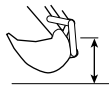
313B CR Compact Radius Hydraulic Excavator

Lift Capacities – 3000 mm (9' 10") stick; .46 cu. liter (0.60 yd³/30") bucket; 600 mm (24") shoes



BLADE – Up (or no blade)
STICK – 3000 mm (9' 10")

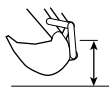
BUCKET – .46 liter3 (.60 yd³/30")
SHOES – 600 mm (24") triple grouser

		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
														
7.5 m	kg					*1850	*1850					*1250	*1250	5.81
25.0 ft	lb					*4050	*4050					*2750	*2750	18.56
6.0 m	kg					*2300	*2300	*1950	*1950			*1100	*1100	7.17
20.0 ft	lb					*5050	*5050	*3800	*3800			*2350	*2350	23.32
4.5 m	kg					*2550	*2550	*2350	2050			*1050	*1050	7.95
15.0 ft	lb					*5500	*5500	*5150	4350			*2250	*2250	25.99
3.0 m	kg			*4100	*4100	*3100	*3100	*2550	1950			*1050	*1050	8.35
10.0 ft	lb			*8750	*8750	*6650	*6650	*5500	4200			*2300	*2300	27.30
1.5 m	kg			*5800	5600	*3750	2950	2600	1850	1750	1250	*1150	1000	8.37
5.0 ft	lb			*12,500	12,050	*8050	6350	5500	3950	*3350	2600	*2450	2200	27.48
Ground Line	kg			*6600	5100	3900	2750	2450	1750			*1250	1050	8.10
	lb			*14,250	10,900	8350	5850	5250	3700			*2800	2300	26.56
-1.5 m	kg	*3800	*3800	*6300	4950	3750	2600	2400	1700			*1550	1200	7.45
-5.0 ft	lb	*8500	*8500	*13,650	10,550	8050	5600	5150	3600			*3400	2650	24.40
-3.0 m	kg	*6300	*6300	*5300	5000	*3550	2600	*2300	1700			*1650	1600	6.32
-10.0 ft	lb	*14,100	*14,100	*11,350	10,650	*7600	5600	*4750	3650			*3650	3600	20.58
-4.5 m	kg			*3300	*3300	*1950	*1950					*1750	*1750	4.67
-15.0 ft	lb			*6800	*6800	*3800	*3800					*3800	*3800	15.02

* 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.

BLADE – Down
STICK – 3000 mm (9' 10")

BUCKET – .46 liter3 (.60 yd³/30")
SHOES – 600 mm (24") 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
														
7.5 m	kg					*1850	*1850					*1250	*1250	5.81
25.0 ft	lb					*4050	*4050					*2750	*2750	18.56
6.0 m	kg					*2300	*2300	*1950	*1950			*1100	*1100	7.17
20.0 ft	lb					*5050	*5050	*3800	*3800			*2350	*2350	23.32
4.5 m	kg					*2550	*2650	*2350	2050			*1050	*1050	7.95
15.0 ft	lb					*5500	*5500	*5150	4250			*2250	*2250	25.99
3.0 m	kg			*4100	*4100	*3100	*3100	*2550	1950			*1050	*1050	8.35
10.0 ft	lb			*8750	*8750	*6650	*6650	*5550	4200			*2300	*2300	27.30
1.5 m	kg			*5800	5600	*3750	2950	*2850	1850	*1950	1250	*1150	1000	8.37
5.0 ft	lb			*12,500	12,050	*8050	6350	*6150	3950	*3350	2600	*2450	2200	27.48
Ground Line	kg			*6600	5100	*4150	2750	*3000	1750			*1250	1050	8.10
	lb			*14,250	10,900	*9000	5850	*6500	3700			*2800	2300	26.56
-1.5 m	kg	*3800	*3800	*6300	4950	*4150	2600	*2950	1700			*1550	1200	7.45
-5.0 ft	lb	*8500	*8500	*13,650	10,550	*8950	5600	*6250	3600			*3400	2650	24.40
-3.0 m	kg	*6300	*6300	*5300	5000	*3550	2600	*2300	1700			*1650	1600	6.32
-10.0 ft	lb	*14,100	*14,100	*11,350	10,650	*7600	5600	*4750	3650			*3650	3600	20.58
-4.5 m	kg			*3300	*3300	*1950	*1950					*1750	*1750	4.67
-15.0 ft	lb			*6800	*6800	*3800	*3800					*3800	*3800	15.02

* 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.