308E2 CR SB Mini Hydraulic Excavator Specifications

Engine

Engine Model	Cat C3.3B*	
Rated Net Power @ 2,400 rpm		
ISO 9249/EEC 80/1269	48.5 kW	65 hp
Gross Power		
ISO 14396	49.7 kW	66.6 hp
Bore	94 mm	3.7 in
Stroke	120 mm	4.7 in
Displacement	3.33 L	203.2 in^3

* Meets U.S. EPA Tier 4 Final and EU Stage IIIB emission standards.

Weights

Operating Weight with Cab	8400 kg	18,519 lb

- Weight with rubber tracks, bucket, operator (75 kg/165 lb), full fuel and auxiliary lines.
- Weight varies depending on machine configuration.

Swing System

Machine Swing Speed	11 rpm
Boom Swing – Left	60°
Boom Swing – Right	50°

- Automatic swing break, spring applied, hydraulic release.

Travel System

Travel Speed		
High	5.1 km/h	3.17 mph
Low	2.8 km/h	1.74 mph
Maximum Traction Force		
High Speed	64.5 kN	14,500 lb
Low Speed	37.4 kN	8,408 lb
Gradeability (maximum)	30°	
Ground Pressure	36.3 kPa	5.26 psi

- Each track is driven by one independent 2-speed motor.
- Drive modules are integrated into the roller frame for total protection.
- Straight line travel when tracking and operating the front linkage simultaneously.

Service Refill Capacities

Fuel Tank	125 L	33 gal
Cooling System	14 L	3.7 gal
Engine Oil	11.2 L	3.0 gal
Hydraulic Tank	82 L	21.7 gal
Hydraulic System	94 L	24.8 gal

Hydraulic System

Pump Flow at 2,000 rpm	150 L/min	39.6 gal/min
Operating Pressure – Equipment	28 000 kPa	4,061 psi
Operating Pressure – Travel	28 000 kPa	4,061 psi
Operating Pressure – Swing	24 000 kPa	3,481 psi
Auxiliary Circuit – Primary (186 bar/2,734 psi)	128 L/min	33.8 gal/min
Auxiliary Circuit – Secondary (174 bar/2,524 psi)	64 L/min	16.9 gal/min
Digging Force – Stick (standard)	40.1 kN	9,015 lb
Digging Force – Stick (long)	35.1 kN	7,891 lb
Digging Force – Bucket	60.2 kN	13,534 lb

- Load sensing hydraulics with variable displacement piston pump.

Blade

Width	2320 mm	91.3 in
Height	450 mm	17.7 in
Dig Depth	360 mm	14.2 in
Lift Height	380 mm	15.0 in

Cab

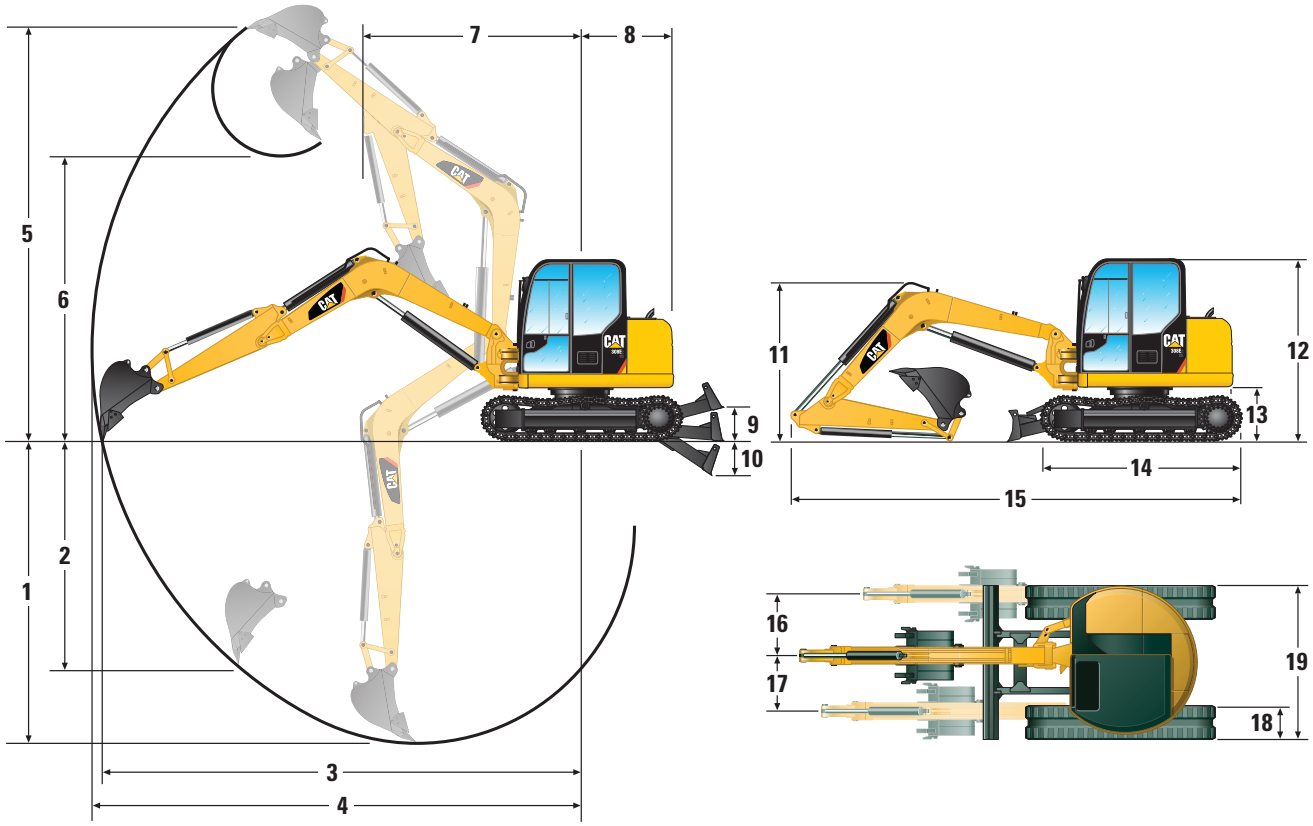
Dynamic Operator Sound Pressure	70 dB(A) ISO 6396
Average Exterior Sound Pressure	99 dB(A) ISO 6395 – Dynamic Test

Operating Specifications

Stick Length – Standard	1670 mm	5 ft 6 in
Stick Length – Long	2210 mm	7 ft 3 in
Machine Overhang	279.4 mm	11 in
Machine Overhang with Counterweight	406 mm	16 in
Counterweight	251 kg	551 lb

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Dimensions



	Standard Stick		Long Stick	
1	4150 mm	13'7"	4690 mm	15'5"
2	2980 mm	9'9"	3550 mm	11'8"
3	6820 mm	22'9"	7350 mm	24'1"
4	7020 mm	23'0"	7540 mm	24'9"
5	6640 mm	21'9"	6990 mm	22'11"
6	4670 mm	15'4"	5010 mm	16'5"
7	2800 mm	9'2"	3280 mm	10'9"
8	1450 mm	4'9"	1450 mm	4'9"
9	420 mm	1'5"	420 mm	1'5"
10	320 mm	1'1"	320 mm	1'1"

	Standard Stick		Long Stick	
11	2280 mm	7'6"	2230 mm	7'4"
12	2550 mm	8'4"	2550 mm	8'4"
13	735 mm	2'5"	735 mm	2'5"
14	2903 mm	9'6"	2903 mm	9'6"
15	6380 mm	20'11"	6340 mm	20'10"
16	1010 mm	3'4"	1010 mm	3'4"
17	635 mm	2'1"	635 mm	2'1"
18	450 mm	1'6"	450 mm	1'6"
19	2320 mm	7'7"	2320 mm	7'7"

Lift Capacities at Ground Level*

Lift Point Radius		**4000 mm (13'1")**		**6050 mm (19'10")**	
		Front	**Side**	**Front**	**Side**
Blade Down	**kg**	3650	1710	1880	920
	lb	8,046	3,770	4,144	2,028
Blade Up	**kg**	1840	1530	970	820
	lb	4,056	3,373	2,138	1,808

* The above loads are consistent with hydraulic excavator lift capacity rating standard ISO 10567:2007 and they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. The excavator bucket weight is not included on this chart. Lifting capacities are for standard stick.