

# 308E 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 <sup>3</sup> |

\* Meets U.S. EPA Tier 4 Interim and EU Stage IIIA emission standards.

## Weights

Operating Weight with Cab 8333 kg 18,371 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 | 10 rpm |  |
| Boom Swing – Left   | 60°    |  |
| Boom Swing – Right  | 50°    |  |

- Automatic swing break, spring applied, hydraulic release.

## Travel System

|                        |           |           |
|------------------------|-----------|-----------|
| Travel Speed           |           |           |
| High                   | 5.26 km/h | 3.26 mph  |
| Low                    | 3.32 km/h | 2.06 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                          | 32 000 kPa | 4,641 psi    |
| Operating Pressure – Swing                           | 24 000 kPa | 3,481 psi    |
| Auxiliary Circuit – Primary<br>(186 bar/2,734 psi)   | 128 L/min  | 33.8 gal/min |
| Auxiliary Circuit – Secondary<br>(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    |

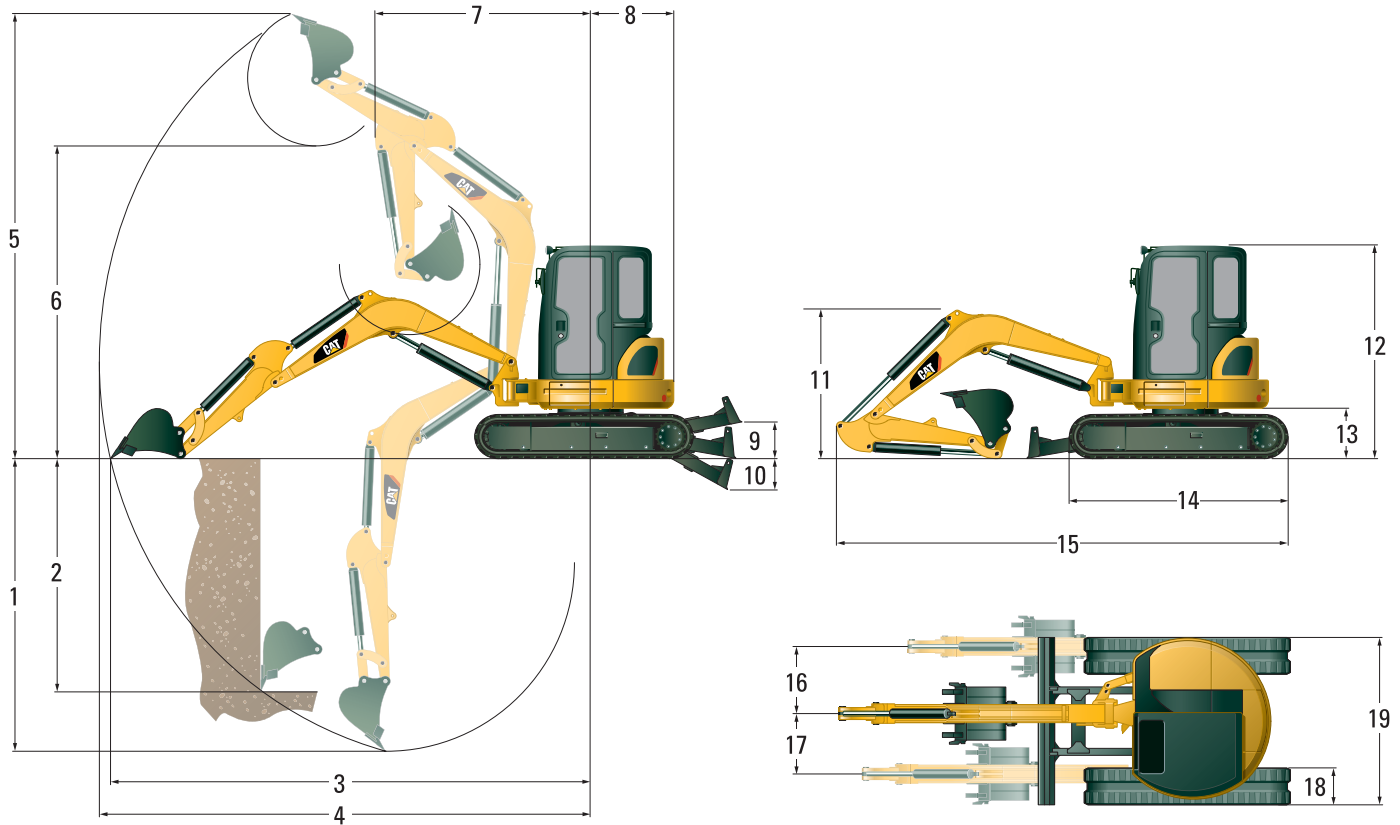
- Load sensing hydraulics with variable displacement piston pump.

## 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 |

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## Dimensions



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

|           | Standard Stick |        | Long Stick |        |
|-----------|----------------|--------|------------|--------|
| <b>11</b> | 2280 mm        | 7'6"   | 2230 mm    | 7'4"   |
| <b>12</b> | 2550 mm        | 8'4"   | 2550 mm    | 8'4"   |
| <b>13</b> | 735 mm         | 2'5"   | 735 mm     | 2'5"   |
| <b>14</b> | 2903 mm        | 9'6"   | 2903 mm    | 9'6"   |
| <b>15</b> | 6380 mm        | 20'11" | 6340 mm    | 20'10" |
| <b>16</b> | 1010 mm        | 3'4"   | 1010 mm    | 3'4"   |
| <b>17</b> | 635 mm         | 2'1"   | 635 mm     | 2'1"   |
| <b>18</b> | 450 mm         | 1'6"   | 450 mm     | 1'6"   |
| <b>19</b> | 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  |
| <b>Blade Down</b> | <b>kg</b> | 3650            | 1710  | 1880             | 920   |
|                   | <b>lb</b> | 8,046           | 3,770 | 4,144            | 2,028 |
| <b>Blade Up</b>   | <b>kg</b> | 1840            | 1530  | 970              | 820   |
|                   | <b>lb</b> | 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.