**Features:**
The Cat® 308 CR Mini Excavator delivers maximum power and performance in a mini size to help you work in a wide range of applications.

**All Day Comfort**
- A sealed and pressurized cab is equipped with an improved air conditioning system, adjustable wrist rests and a suspension seat to help keep you working comfortably all day long.

**Easy to Operate**
- Controls are easy to use and the intuitive Next Generation Monitor provides customizable machine operator preferences and easy to read machine information.

**Stick Steer Travel Mode**
- Moving around the job site is even easier with Cat Stick Steer. Easily switch from traditional travel controls with levers and pedals to joystick controls with a push of a button. The benefit of less effort and improved control is in your hands!

**Big Performance in a Mini Design**
- Increased lifting, swinging, travel and multi-functioning performance help you get the job done more efficiently, and blade float allows for easy clean up.

**Safety on the Job Site**
- Your safety is our top priority. The Cat Mini Excavator is designed to help keep you safe on the job. A back-up camera, courtesy work lights and a fluorescent retractable seat belt are just a few of the safety features we’ve built into the machine.

**Simple Service for Less Downtime**
- Maintenance is quick and easy on the Cat Mini Excavator. Routine check points are easy to access at ground level with grouped service points and robust service panels.

**Lower Operating Costs**
- Equipped with features such as auto idle, auto engine shutdown, and efficient hydraulics with a variable displacement pump, the Cat Mini Excavator was designed with reducing your operating costs in mind.

**Unmatched Dealer Support**
- Your Cat dealer is here to help you reach your business goals. From providing equipment solutions to operator training to service needs and beyond, your Cat dealer is ready to help.

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### Specifications

#### Engine

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Model</td>
<td>Cat C3.3B</td>
</tr>
<tr>
<td>Rated Net Power @ 2,200 rpm</td>
<td>51.8 kW 69.5 hp</td>
</tr>
<tr>
<td>U.S. EPA Tier 4 Final/EU Stage V</td>
<td>51.8 kW 69.5 hp</td>
</tr>
<tr>
<td>ISO 9249/EEC 80/1269</td>
<td>51.8 kW 69.5 hp</td>
</tr>
<tr>
<td>Gross Power</td>
<td>55.4 kW 74.3 hp</td>
</tr>
<tr>
<td>SAE J1995</td>
<td>55.4 kW 74.3 hp</td>
</tr>
<tr>
<td>Bore</td>
<td>94 mm 3.7 in</td>
</tr>
<tr>
<td>Stroke</td>
<td>120 mm 4.7 in</td>
</tr>
<tr>
<td>Displacement</td>
<td>3.33 L 203 in³</td>
</tr>
</tbody>
</table>

#### Weights

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Minimum Operating Weight</th>
<th>Maximum Operating Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>With Cab*</td>
<td>8440 kg 18,610 lb</td>
<td>9105 kg 20,077 lb</td>
</tr>
</tbody>
</table>

*Minimum Weight is based on rubber tracks, no counterweight, operator, full fuel tank, standard stick, blade and no bucket.

**Minimum Weight is based on steel tracks with rubber pads, counterweight, operator, full fuel tank, long stick, blade and no bucket.

#### Weight Increase from Minimum Configuration

<table>
<thead>
<tr>
<th>Component</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Counterweight</td>
<td>250 kg 552 lb</td>
</tr>
<tr>
<td>Long Stick</td>
<td>66 kg 146 lb</td>
</tr>
<tr>
<td>Steel Tracks with Pads</td>
<td>341 kg 752 lb</td>
</tr>
</tbody>
</table>
Travel System
Travel Speed – High 5.1 km/h 3.2 mph
Travel Speed – Low 3.1 km/h 1.9 mph
Maximum Traction Force – High Speed 27.8 kN 6,250 lbf
Maximum Traction Force – Low Speed 67.5 kN 15,175 lbf
Ground Pressure – Minimum Weight 36.9 kPa 5.4 psi
Ground Pressure – Maximum Weight 39.8 kPa 5.8 psi
Gradeability (maximum) 30 degrees

Service Refill Capacities
Cooling System 10.0 L 2.6 gal
Engine Oil 11.2 L 3.0 gal
Fuel Tank 147 L 39 gal
Hydraulic Tank 53 L 14 gal
Hydraulic System 110 L 29 gal

Hydraulic System
Load Sensing Hydraulics with Variable Displacement Piston Pump
Pump Flow @ 2,400 rpm 167 L/min 44 gal/min
Operating Pressure – Equipment 285 bar 4,134 psi
Operating Pressure – Travel 285 bar 4,134 psi
Operating Pressure – Swing 250 bar 3,626 psi
Maximum Auxiliary Circuit – Primary
  Flow at Pump* 131 L/min 35 gal/min
  Pressure at Pump* 285 bar 4,134 psi
Maximum Auxiliary Circuit – Secondary
  Flow at Pump* 33 L/min 9 gal/min
  Pressure at Pump* 285 bar 4,134 psi
Digging Force – Stick (Standard) 42.3 kN 9,509 lbf
Digging Force – Stick (Long) 35.7 kN 8,032 lbf
Digging Force – Bucket 62.0 kN 13,946 lbf
*Flow and pressure are not combinable. Under load, as flow rises pressure goes down.

Swing System
Machine Swing Speed 10.6 rpm
Boom Swing – Left 60 degrees
Boom Swing – Right 50 degrees

Blade
Width (Standard) 2300 mm 90.6 in
Width (Wide) 2450 mm 96.5 in
Height 431 mm 17 in

Certification – Cab
Roll Over Protective Structure (ROPS) ISO 12117-2:2008
Tip Over Protective Structure (TOPS) ISO 12117:1997
Top Guard ISO 10262:1998 (Level I)

Sound
Operator Sound Pressure (ISO 6396:2008) 72 dB(A)
Average Exterior Sound Pressure (ISO 6395:2008) 99 dB(A)

* European Union Directive “2000/14/EC”

Dimensions

<table>
<thead>
<tr>
<th></th>
<th>Standard Stick</th>
<th>Long Stick</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Dig Depth</td>
<td>4108 mm (161.7 in)</td>
<td>4643 mm (182.8 in)</td>
</tr>
<tr>
<td>2 Vertical Wall</td>
<td>2991 mm (117.8 in)</td>
<td>3404 mm (134.0 in)</td>
</tr>
<tr>
<td>3 Maximum Reach at Ground Level</td>
<td>6949 mm (273.6 in)</td>
<td>7460 mm (293.7 in)</td>
</tr>
<tr>
<td>4 Maximum Reach</td>
<td>7141 mm (281.1 in)</td>
<td>7637 mm (300.7 in)</td>
</tr>
<tr>
<td>5 Maximum Dig Height</td>
<td>6736 mm (265.2 in)</td>
<td>7039 mm (277.1 in)</td>
</tr>
<tr>
<td>6 Maximum Dump Clearance</td>
<td>4760 mm (187.4 in)</td>
<td>5072 mm (199.7 in)</td>
</tr>
<tr>
<td>7 Boom in Reach</td>
<td>3059 mm (120.4 in)</td>
<td>3215 mm (126.6 in)</td>
</tr>
<tr>
<td>8 Tail Swing with Counterweight</td>
<td>1585 mm (62.4 in)</td>
<td>1585 mm (62.4 in)</td>
</tr>
<tr>
<td>9 Maximum Blade Height</td>
<td>370 mm (14.6 in)</td>
<td>370 mm (14.6 in)</td>
</tr>
<tr>
<td>10 Maximum Blade Depth</td>
<td>407 mm (16.0 in)</td>
<td>407 mm (16.0 in)</td>
</tr>
<tr>
<td>11 Height</td>
<td>2660 mm (104.7 in)</td>
<td>3050 mm (120.1 in)</td>
</tr>
<tr>
<td>12 Cab Height</td>
<td>2541 mm (100.0 in)</td>
<td>2541 mm (100.0 in)</td>
</tr>
<tr>
<td>13 Swing Bearing Height</td>
<td>756 mm (29.7 in)</td>
<td>756 mm (29.7 in)</td>
</tr>
<tr>
<td>14 Overall Undercarriage Length</td>
<td>2880 mm (113.4 in)</td>
<td>2880 mm (113.4 in)</td>
</tr>
<tr>
<td>15 Overall Shipping Length with Counterweight</td>
<td>6706 mm (264 in)</td>
<td>6872 mm (270.6 in)**</td>
</tr>
<tr>
<td>16 Boom Swing Right</td>
<td>935 mm (36.8 in)</td>
<td>935 mm (36.8 in)</td>
</tr>
<tr>
<td>17 Boom Swing Left</td>
<td>604 mm (23.8 in)</td>
<td>604 mm (23.8 in)</td>
</tr>
<tr>
<td>18 Track Belt/Shoe Width</td>
<td>450 mm (17.7 in)</td>
<td>450 mm (17.7 in)</td>
</tr>
<tr>
<td>19 Overall Track Width</td>
<td>2300 mm (90.6 in)</td>
<td>2300 mm (90.6 in)</td>
</tr>
<tr>
<td>20 Ground Clearance</td>
<td>350 mm (13.8 in)</td>
<td>350 mm (13.8 in)</td>
</tr>
<tr>
<td>21 Stick Length</td>
<td>1820 mm (71.7 in)</td>
<td>2358 mm (92.8 in)</td>
</tr>
</tbody>
</table>

*Boom Height when stick is pinned in transport position with no attachments.
**Boom Height when stick is pinned in working position with attachments. Standard Stick offers only one pin position.
***With blade positioned at the rear of the machine.

Air Conditioning System
The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.0 kg of refrigerant which has a CO₂ equivalent of 1.430 metric tonnes.
### Lift Capacities – Minimum Configuration

<table>
<thead>
<tr>
<th>Lift Point Height</th>
<th>Lift Point Radius 3 m (9.8 ft)</th>
<th>Lift Point Radius 4.5 m (14.8 ft)</th>
<th>Lift Point Radius (Maximum)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Over Front</td>
<td>Over Side</td>
<td>Over Front</td>
</tr>
<tr>
<td>4.5 m (14.8 ft)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard Stick</td>
<td>kg (lb)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2445</td>
<td>(5,391)</td>
<td>1870 (4,212)</td>
</tr>
<tr>
<td>Long Stick</td>
<td>kg (lb)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1625</td>
<td>(3,583)</td>
<td>1235 (2,723)</td>
</tr>
<tr>
<td>3 m (9.8 ft)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard Stick</td>
<td>kg (lb)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2770</td>
<td>(6,088)</td>
<td>1805 (3,960)</td>
</tr>
<tr>
<td>Long Stick</td>
<td>kg (lb)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2400</td>
<td>(5,322)</td>
<td>1825 (4,024)</td>
</tr>
<tr>
<td>1.5 m (4.9 ft)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard Stick</td>
<td>kg (lb)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3345</td>
<td>(7,376)</td>
<td>1685 (3,715)</td>
</tr>
<tr>
<td>Long Stick</td>
<td>kg (lb)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3080</td>
<td>(6,791)</td>
<td>1685 (3,715)</td>
</tr>
<tr>
<td>0 m (0 ft)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard Stick</td>
<td>kg (lb)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3750</td>
<td>(8,269)</td>
<td>2970 (6,549)</td>
</tr>
<tr>
<td>Long Stick</td>
<td>kg (lb)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3845</td>
<td>(8,478)</td>
<td>2920 (6,439)</td>
</tr>
</tbody>
</table>

Minimum Weight includes rubber belts, cab, operator, full fuel tank, no counterweight and no bucket.

### Lift Capacities – Maximum Configuration

<table>
<thead>
<tr>
<th>Lift Point Height</th>
<th>Lift Point Radius 3 m (9.8 ft)</th>
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<tr>
<td></td>
<td>2445</td>
<td>(5,391)</td>
<td>2090 (4,608)</td>
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<tr>
<td>Long Stick</td>
<td>kg (lb)</td>
<td></td>
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<td></td>
<td>1625</td>
<td>(3,583)</td>
<td>1395 (3,076)</td>
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<tr>
<td>3 m (9.8 ft)</td>
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<tr>
<td>Standard Stick</td>
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<td></td>
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<tr>
<td></td>
<td>2400</td>
<td>(5,322)</td>
<td>1905 (4,201)</td>
</tr>
<tr>
<td>1.5 m (4.9 ft)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard Stick</td>
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<tr>
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<td>(6,791)</td>
<td>1905 (4,201)</td>
</tr>
<tr>
<td>0 m (0 ft)</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>3845</td>
<td>(8,478)</td>
<td>2745 (6,053)</td>
</tr>
</tbody>
</table>

Maximum Weight includes steel tracks with pads, cab, operator, full fuel tank, counterweight and no bucket.

*The above loads are in compliance 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.*
# 308 CR Mini Hydraulic Excavator

## Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

<table>
<thead>
<tr>
<th>Standard</th>
<th>Optional</th>
</tr>
</thead>
</table>

### ENGINE

- Cat C3.3 Diesel Engine (U.S. EPA Tier 4 Final/EU Stage VI)
- Electronic Engine, Turbo, Diesel Particulate Filter (DPF)
- Automatic Engine Idle
- Automatic Engine Shutdown
- Automatic Swing Brake
- Automatic Two Speed Travel
- Fuel Water Separator with Indicator
- Radial Seal – Double Element Air Filter
- Extended Life Coolant, –37 °C (~37°F)

### HYDRAULICS

- Electronic Variable Displacement Piston Pump
- Load Sensing/Flow Sharing Hydraulics
- Power On Demand
- Hydraulic Temperature Monitoring
- Certified Accumulator

### HYDRO Advanced Hydraulic Oil

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### OPERATOR ENVIRONMENT

- Top Guard ISO 10262 1998 Level I
- ROPS ISO 12117-2:2008
- Adjustable Wrist Rests
- Molded Footrests
- Removable, Washable Floor Mat
- Travel Pedals and Hand Levers
- Cat Key with Passcode Option
- Push to Start with Bluetooth® Key
- HVAC with Automatic Temperature Control
- Hydraulic Lockout Controls
- Integrated Lower Front Window
- Assisted Front Window Overhead Storage
- Rear Window Emergency Exit
- Fabric, High Back, Suspension Seat
- Air Suspension Heated Seat
- Retractable Seat Belt (75 mm/3 in)
- Coat Hook
- 12V Power Socket
- Radio – Bluetooth, Auxiliary, Microphone, USB (charging only)
- Skylight
- Signaling/Warning Horn
- Cab and (left side) Boom Work Lights
- Utility Space for Mobile Phone
- Rain Visor
- Next Generation Color LCD Monitor (IP66)
- Notch Dial Interface
- Fuel Level and Coolant Temperature Gauges
- Maintenance and Machine Monitoring
- Performance and Machine Adjustments
- Numeric Security Code
- Multiple Languages
- Camera Ready (IP68 & IP69K)
- Hour Meter with Wake Up Switch

### OPERATOR ENVIRONMENT (CONTINUED)

- Next Generation Advanced Monitor
- (below are all included with Next Generation Advanced Monitor option)
- Touch Screen
- Site Reference System
- High Definition Camera Capable (IP68 & IP69K)
- Numeric Security Code

### UNDERCARRIAGE

- Greased and Lubricated Track
- Tie Down Eyes on Track Frame
- Dozer Blade
- Wide Dozer Blade
- Dozer Float
- Bolt-on, Reversible Wear Edge
- Steel Tracks (650 mm/25.6 in wide)
- Wide Steel Tracks (600 mm/23.6 in)
- Steel Track with Rubber Pads
- Track Guides

### BOOM, STICK AND LINKAGES

- One Piece Boom (3400 mm/133.9 in)
- Standard Stick (1820 mm/71.7 in)
- Long Stick (2260 mm/92.9 in)
- Front Shovel Capable – Pin-on/Manual
- Coupler/Hydraulic Coupler (not available in all regions)
- Thumb Ready (not available in all regions)
- Attachments including Buckets, Augers and Hammers
- 2nd Auxiliary Hydraulic Lines
- Boom Lowering Check Valve
- Stick Lowering Check Valve
- Certified Lifting Eye

### ELECTRICAL

- 12 Volt Electrical System
- 60 Ampere Alternator
- Circuit Breaker
- 900 CCA Maintenance Free Battery
- Battery Disconnect
- Ignition Key Stop Switch
- Product Link Elite (regulations apply)
- Travel Alarm
- Rearview Camera
- Rotating Beacon

### GUARDING

- Mesh Front Guard ISO 10262 1998 Level I
- Heavy Duty Front Guard ISO 10262 1998 Level II
- Overhead Cab Guard ISO 10262 1998 Level II
- Polycarbonate Front Window EN295 PSA
- Track Guards

### OTHER

- Additional Counterweight
- Locks on External Enclosure Doors
- Lockable Fuel Cap
- Beacon Socket
- Rear Reflectors
- Water Jacket Heater
- Refueling Pump
- Variable Angle Boom (refer to 308 CR VAB brochure for VAB specs and additional information)

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