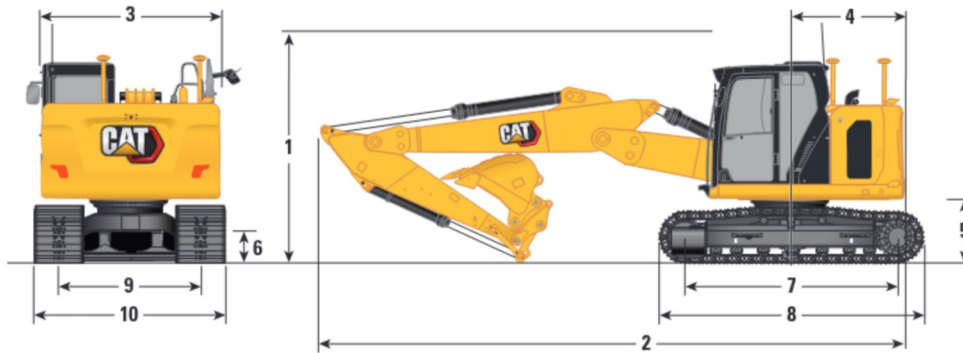


# 315 Hydraulic Excavator Specifications

## Dimensions

All dimensions are approximate and may vary depending on bucket selection.



### Boom Options

**Variable Angle Boom**  
2.4 m/2.44 m (7'8"/8'0")

### Stick Options

#### Reach Stick

R2.2 (7'3")

R2.5 (8'2")

R3.0 (9'10")

#### 1 Machine Height:\*

|  | R2.2 (7'3") |      | R2.5 (8'2") |      | R3.0 (9'10") |       |
|--|-------------|------|-------------|------|--------------|-------|
| Top of Cab Height  | 2810 mm     | 9'3" | 2810 mm     | 9'3" | 2810 mm      | 9'3"  |
| Top of FOGS Height   | 2960 mm     | 9'9" | 2960 mm     | 9'9" | 2960 mm      | 9'9"  |
| Guardrails/Handrails Height                                  | 2860 mm     | 9'5" | 2860 mm     | 9'5" | 2860 mm      | 9'5"  |
| With Boom/Stick/Bucket Installed (with stick cylinder lines) | 2790 mm     | 9'2" | 2890 mm     | 9'6" | 3150 mm      | 10'4" |
| With Boom/Stick Installed (with stick cylinder lines)        | 2790 mm     | 9'2" | 2890 mm     | 9'6" | 3150 mm      | 10'4" |
| With Boom Installed (with stick cylinder lines)              | 2200 mm     | 7'3" | 2200 mm     | 7'3" | 2200 mm      | 7'3"  |

#### 2 Machine Length (without blade):

|  |         |       |         |       |         |       |
|--|---------|-------|---------|-------|---------|-------|
| With Boom/Stick/Bucket Installed (with stick cylinder lines) | 7520 mm | 24'8" | 7500 mm | 24'7" | 7450 mm | 24'5" |
| With Boom/Stick Installed (with stick cylinder lines)        | 7520 mm | 24'8" | 7500 mm | 24'7" | 7450 mm | 24'5" |
| With Boom Installed (with stick cylinder lines)              | 6730 mm | 22'1" | 6730 mm | 22'1" | 6730 mm | 22'1" |

#### Machine Length (with blade, blade rear):

|  |         |        |         |        |         |        |
|--|---------|--------|---------|--------|---------|--------|
| With Boom/Stick/Bucket Installed (with stick cylinder lines) | 8080 mm | 26'6"  | 8060 mm | 26'5"  | 8010 mm | 26'3"  |
| With Boom/Stick Installed (with stick cylinder lines)        | 8080 mm | 26'6"  | 8060 mm | 26'5"  | 8010 mm | 26'3"  |
| With Boom Installed (with stick cylinder lines)              | 7290 mm | 23'11" | 7290 mm | 23'11" | 7290 mm | 23'11" |

#### 3 Upperframe Width

|  |         |      |         |      |         |      |
|--|---------|------|---------|------|---------|------|
|  | 2480 mm | 8'2" | 2480 mm | 8'2" | 2480 mm | 8'2" |
|--|---------|------|---------|------|---------|------|

#### 4 Tail Swing Radius – 3.83 mt (8,440 lb) Counterweight

|  |         |      |         |      |         |      |
|--|---------|------|---------|------|---------|------|
|  | 1570 mm | 5'2" | 1570 mm | 5'2" | 1570 mm | 5'2" |
|--|---------|------|---------|------|---------|------|

#### 5 Counterweight Clearance

|  |        |       |        |       |        |       |
|--|--------|-------|--------|-------|--------|-------|
|  | 880 mm | 2'11" | 880 mm | 2'11" | 880 mm | 2'11" |
|--|--------|-------|--------|-------|--------|-------|

#### 6 Ground Clearance

|  |        |      |        |      |        |      |
|--|--------|------|--------|------|--------|------|
|  | 440 mm | 1'5" | 440 mm | 1'5" | 440 mm | 1'5" |
|--|--------|------|--------|------|--------|------|

#### 7 Track Length – Length to Center of Rollers

|  |         |       |         |       |         |       |
|--|---------|-------|---------|-------|---------|-------|
|  | 3040 mm | 10'0" | 3040 mm | 10'0" | 3040 mm | 10'0" |
|--|---------|-------|---------|-------|---------|-------|

#### 8 Overall Track Length

|  |         |       |         |       |         |       |
|--|---------|-------|---------|-------|---------|-------|
|  | 3750 mm | 12'4" | 3750 mm | 12'4" | 3750 mm | 12'4" |
|--|---------|-------|---------|-------|---------|-------|

#### 9 Track Gauge

|  |         |      |         |      |         |      |
|--|---------|------|---------|------|---------|------|
|  | 1990 mm | 6'6" | 1990 mm | 6'6" | 1990 mm | 6'6" |
|--|---------|------|---------|------|---------|------|

#### 10 Track Width/Undercarriage Width:

|                                 |         |       |         |       |         |       |
|---------------------------------|---------|-------|---------|-------|---------|-------|
| 500 mm (20") Shoes              | 2490 mm | 8'2"  | 2490 mm | 8'2"  | 2490 mm | 8'2"  |
| 600 mm (24") Shoes              | 2590 mm | 8'6"  | 2590 mm | 8'6"  | 2590 mm | 8'6"  |
| 700 mm (28") Shoes (with steps) | 2690 mm | 8'10" | 2690 mm | 8'10" | 2690 mm | 8'10" |
| 770 mm (30") Shoes (with steps) | 2760 mm | 9'1"  | 2760 mm | 9'1"  | 2760 mm | 9'1"  |

#### Bucket Type

GD

GD

GD

|                 |                     |                      |                     |                      |                     |                      |
|-----------------|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|
| Bucket Capacity | 0.68 m <sup>3</sup> | 0.89 yd <sup>3</sup> | 0.68 m <sup>3</sup> | 0.89 yd <sup>3</sup> | 0.68 m <sup>3</sup> | 0.89 yd <sup>3</sup> |
|-----------------|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|

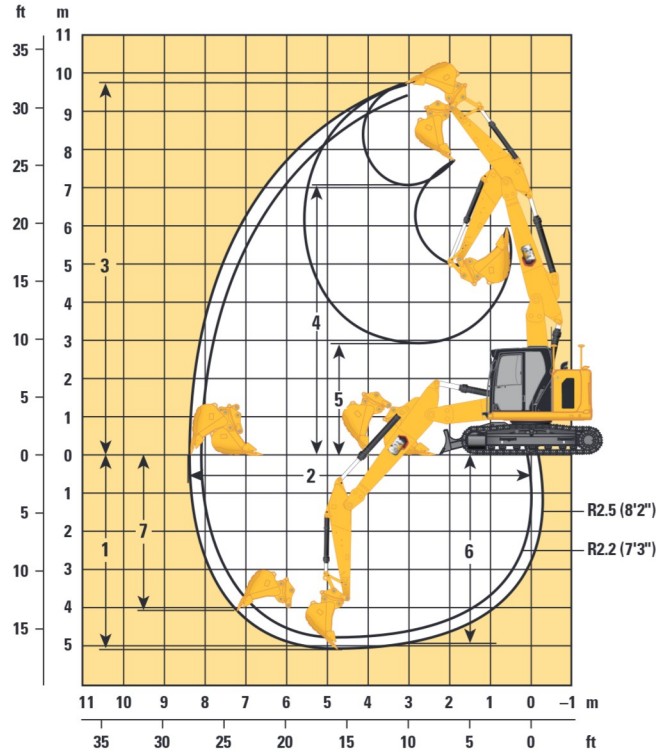
|                   |         |      |         |      |         |      |
|-------------------|---------|------|---------|------|---------|------|
| Bucket Tip Radius | 1240 mm | 4'1" | 1240 mm | 4'1" | 1240 mm | 4'1" |
|-------------------|---------|------|---------|------|---------|------|

\*For models with rubber track shoes or rubber pad add 40 mm (1.6") to machine height dimensions.

# 315 Hydraulic Excavator Specifications

## Working Ranges and Forces

All dimensions are approximate and may vary depending on bucket selection.



### Boom Options

**Variable Angle Boom**  
2.4 m/2.44 m (7'8"/8'0")

### Stick Options

#### Reach Stick

|  | Reach Stick         |                      |                     |                      |                     |                      |
|--|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|
|  | R2.2 (7'3")         |                      | R2.5 (8'2")         |                      | R3.0 (9'10")        |                      |
| <b>1</b> Maximum Digging Depth                             | 4720 mm             | 15'6"                | 5020 mm             | 16'6"                | 5510 mm             | 18'1"                |
| <b>2</b> Maximum Reach at Ground Line                      | 8090 mm             | 26'7"                | 8380 mm             | 27'6"                | 8850 mm             | 29'0"                |
| <b>3</b> Maximum Cutting Height                            | 9440 mm             | 31'0"                | 9700 mm             | 31'10"               | 10 120 mm           | 33'2"                |
| <b>4</b> Maximum Loading Height                            | 6960 mm             | 22'10"               | 7220 mm             | 23'8"                | 7640 mm             | 25'1"                |
| <b>5</b> Minimum Loading Height                            | 3120 mm             | 10'3"                | 2870 mm             | 9'5"                 | 2470 mm             | 8'1"                 |
| <b>6</b> Maximum Depth Cut for 2440 mm (8'0") Level Bottom | 4590 mm             | 15'1"                | 4890 mm             | 16'1"                | 5390 mm             | 17'8"                |
| <b>7</b> Maximum Vertical Wall Digging Depth               | 3760 mm             | 12'4"                | 4090 mm             | 13'5"                | 4550 mm             | 14'11"               |
| Minimum Working Equipment Radius                           | 1820 mm             | 6'0"                 | 1980 mm             | 6'6"                 | 2300 mm             | 7'7"                 |
| Bucket Digging Force (ISO)                                 | 98.47 kN            | 22,140 lbf           | 98.45 kN            | 22,130 lbf           | 98.67 kN            | 22,180 lbf           |
| Stick Digging Force (ISO)                                  | 72.85 kN            | 16,380 lbf           | 66.75 kN            | 15,010 lbf           | 59.29 kN            | 16,380 lbf           |
| Bucket Type  | GD                  |                      | GD                  |                      | GD                  |                      |
| Bucket Capacity  | 0.68 m <sup>3</sup> | 0.89 yd <sup>3</sup> | 0.68 m <sup>3</sup> | 0.89 yd <sup>3</sup> | 0.68 m <sup>3</sup> | 0.89 yd <sup>3</sup> |
| Bucket Tip Radius  | 1240 mm             | 4'1"                 | 1240 mm             | 4'1"                 | 1240 mm             | 4'1"                 |