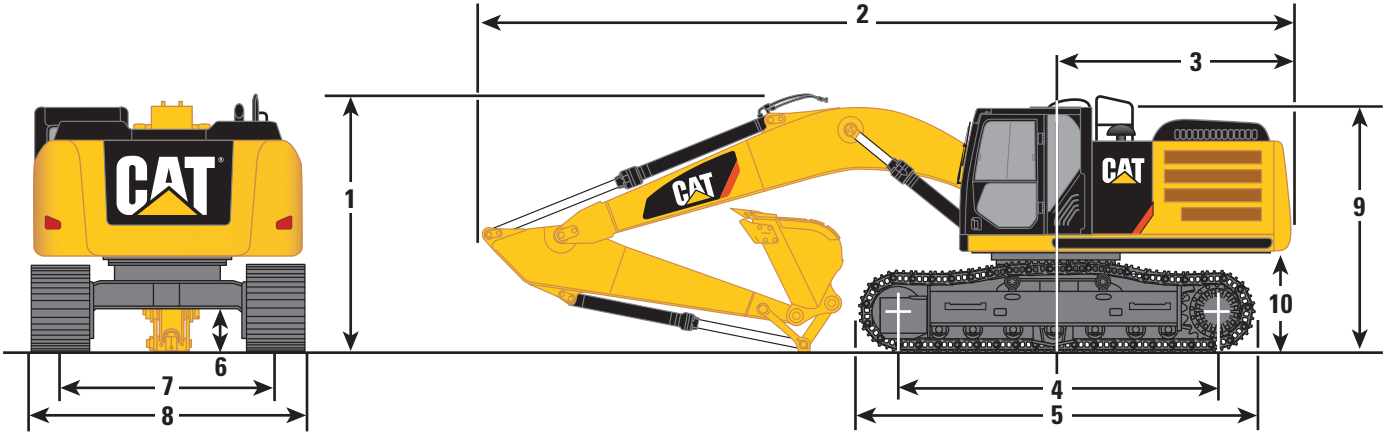


# 336E H Hydraulic Excavator

## Dimensions

All dimensions are approximate.

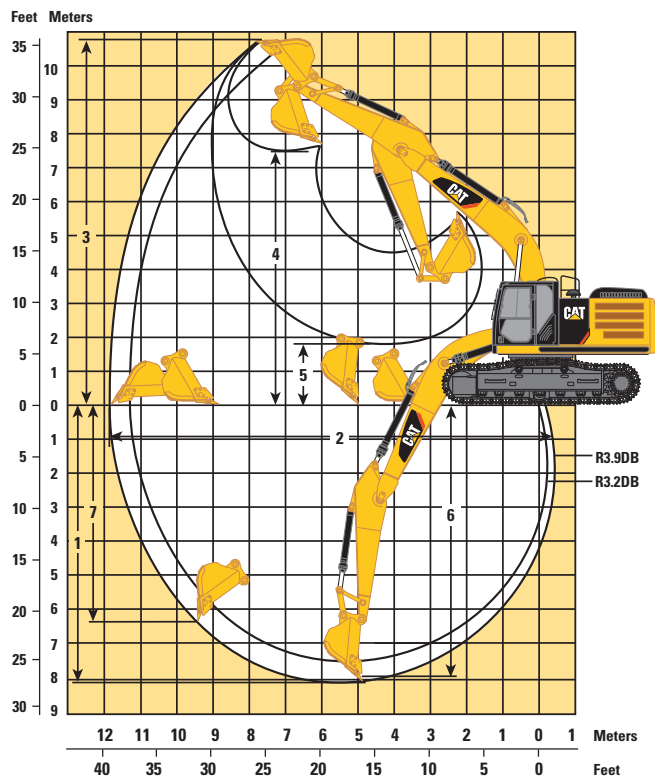


| HD Reach Boom<br>6.50 m (21'4")                    |           |        |           |       |
|----------------------------------------------------|-----------|--------|-----------|-------|
| Stick                                              | R3.9DB    | 12'10" | R3.2DB    | 10'6" |
| 1 Shipping Height including Shoe Lug Height        | 3660 mm   | 12'0"  | 3510 mm   | 11'6" |
| Shipping Height with Top Guard                     | 3660 mm   | 12'0"  | 3510 mm   | 11'6" |
| 2 Shipping Length                                  | 11 170 mm | 36'8"  | 11 160 mm | 36'7" |
| 3 Tail Swing Radius                                | 3490 mm   | 11'5"  | 3490 mm   | 11'5" |
| 4 Length to Center of Rollers                      |           |        |           |       |
| Long Undercarriage                                 | 4040 mm   | 13'3"  | 4040 mm   | 13'3" |
| 5 Track Length                                     |           |        |           |       |
| Long Undercarriage                                 | 5020 mm   | 16'6"  | 5020 mm   | 16'6" |
| 6 Ground Clearance including Shoe Lug Height       | 510 mm    | 1'8"   | 510 mm    | 1'8"  |
| Ground Clearance without Shoe Lug Height           | 480 mm    | 1'7"   | 480 mm    | 1'7"  |
| 7 Track Gauge                                      |           |        |           |       |
| Long Undercarriage                                 | 2590 mm   | 8'6"   | 2590 mm   | 8'6"  |
| 8 Transport Width                                  |           |        |           |       |
| Long Undercarriage – 850 mm (34") Shoes            | 3440 mm   | 11'3"  | 3440 mm   | 11'3" |
| 9 Cab Height                                       | 3150 mm   | 10'4"  | 3150 mm   | 10'4" |
| Cab Height with Top Guard                          | 3360 mm   | 11'0"  | 3360 mm   | 11'0" |
| 10 Counterweight Clearance without Shoe Lug Height | 1220 mm   | 4'0"   | 1220 mm   | 4'0"  |

# 336E H Hydraulic Excavator

## Working Ranges

All dimensions are approximate.



| Stick                                               | HD Reach Boom<br>6.50 m (21'4") |        |           |        |
|-----------------------------------------------------|---------------------------------|--------|-----------|--------|
|                                                     | R3.9DB                          | 12'10" | R3.2DB    | 10'6"  |
| 1 Maximum Digging Depth                             | 8190 mm                         | 26'10" | 7490 mm   | 24'7"  |
| 2 Maximum Reach at Ground Level                     | 11 720 mm                       | 38'5"  | 11 020 mm | 36'2"  |
| 3 Maximum Cutting Height                            | 10 740 mm                       | 35'3"  | 10 320 mm | 33'10" |
| 4 Maximum Loading Height                            | 7500 mm                         | 24'7"  | 7110 mm   | 23'4"  |
| 5 Minimum Loading Height                            | 1910 mm                         | 6'3"   | 2610 mm   | 8'7"   |
| 6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom | 7610 mm                         | 25'0"  | 6820 mm   | 22'5"  |
| 7 Maximum Vertical Wall Digging Depth               | 6310 mm                         | 20'8"  | 5500 mm   | 18'1"  |

# 336E H Hydraulic Excavator

## Major Component Weights\*

|                                                   |           |           |
|---------------------------------------------------|-----------|-----------|
| Lower Structure (without counterweight and track) |           |           |
| Long Undercarriage                                | 8700 kg   | 19,200 lb |
| Upper Structure (without front linkage)           | 10 000 kg | 22,000 lb |
| Counterweight 4.9 mt (5.4 t)                      | 4900 kg   | 10,800 lb |
| Boom (includes lines, pins and stick cylinder)    |           |           |
| HD Reach Boom – 6.50 m (21'4")                    | 4100 kg   | 9,000 lb  |
| Stick (includes lines, pins and bucket cylinder)  |           |           |
| R3.9DB HD (12'10")                                | 2100 kg   | 4,600 lb  |
| R3.2DB HD (10'6")                                 | 1800 kg   | 4,000 lb  |
| Track Shoe (Long)                                 |           |           |
| 850 mm (34") Triple Grouser                       | 5400 kg   | 11,900 lb |
| Quick Coupler                                     | 540 kg    | 1,200 lb  |
| Bucket                                            |           |           |
| DB1536GP-C 342-2192 SAE 2.28 m³ (2.98 yd³)        | 1500 kg   | 3,300 lb  |

\*Base machine includes 75 kg (165 lb) operator weight and 90% fuel weight, and undercarriage with center guard.

## Operating Weight and Ground Pressure

| 850 mm (34")<br>Triple Grouser Shoes |           |           |          |         |
|--------------------------------------|-----------|-----------|----------|---------|
| HD Reach Boom – 6.50 m (21'4")       |           |           |          |         |
| R3.9DB (12'10")                      | 37 200 kg | 82,000 lb | 48.9 kPa | 7.1 psi |
| R3.2DB (10'6")                       | 37 000 kg | 81,600 lb | 48.7 kPa | 7.1 psi |

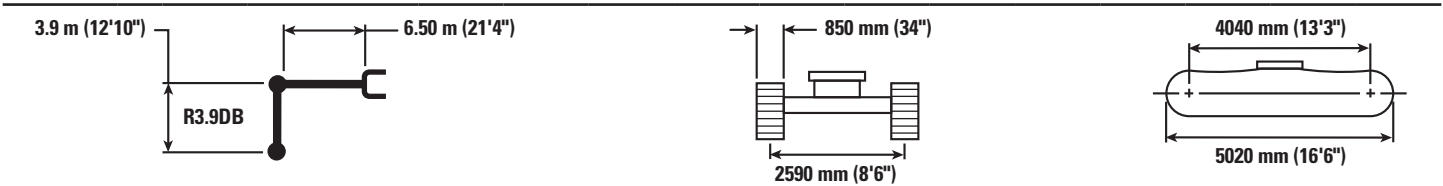
## Bucket and Stick Forces

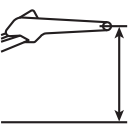
| Stick                      | HD Reach Boom<br>6.50 m (21'4") |            |          |            |
|----------------------------|---------------------------------|------------|----------|------------|
|                            | R3.9DB                          | 12'10"     | R3.2DB   | 10'6"      |
| General Duty               |                                 |            |          |            |
| Bucket Digging Force (SAE) | 188.5 kN                        | 42,380 lbf | 188.5 kN | 42,380 lbf |
| Stick Digging Force (SAE)  | 141.5 kN                        | 31,810 lbf | 162.1 kN | 36,440 lbf |
| Heavy Duty                 |                                 |            |          |            |
| Bucket Digging Force (SAE) | 184.9 kN                        | 41,570 lbf | 184.9 kN | 41,570 lbf |
| Stick Digging Force (SAE)  | 140.7 kN                        | 31,630 lbf | 161.1 kN | 36,220 lbf |
| Severe Duty                |                                 |            |          |            |
| Bucket Digging Force (SAE) | 184.9 kN                        | 41,570 lbf | 184.9 kN | 41,570 lbf |
| Stick Digging Force (SAE)  | 140.7 kN                        | 31,630 lbf | 161.1 kN | 36,220 lbf |
| Extreme Duty               |                                 |            |          |            |
| Bucket Digging Force (SAE) | 184.9 kN                        | 41,570 lbf | 184.9 kN | 41,570 lbf |
| Stick Digging Force (SAE)  | 140.7 kN                        | 31,630 lbf | 161.1 kN | 36,220 lbf |

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

336E H Hydraulic Excavator

HD Reach Boom Lift Capacities – Counterweight: 4.9 mt (5.4 t) – Heavy Lift: On



|  |    | 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                                                                     |                                                                                    | 9.0 m/30.0 ft                                                                       |                                                                                     |  |                                                                                     | m<br>ft |
|----------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------|
|                                                                                  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |         |
| 9.0 m                                                                            | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | *6050                                                                               | *6050                                                                               | 7.35    |
| 30.0 ft                                                                          | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | *13,450                                                                             | *13,450                                                                             | 23.64   |
| 7.5 m                                                                            | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *7400                                                                             | *7400                                                                              |                                                                                     |                                                                                     | *5600                                                                               | *5600                                                                               | 8.53    |
| 25.0 ft                                                                          | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *16,300                                                                           | *16,200                                                                            |                                                                                     |                                                                                     | *12,400                                                                             | *12,400                                                                             | 27.74   |
| 6.0 m                                                                            | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *7650                                                                             | 7400                                                                               | *7250                                                                               | 5400                                                                                | *5450                                                                               | 5050                                                                                | 9.33    |
| 20.0 ft                                                                          | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *16,800                                                                           | 15,950                                                                             | *14,000                                                                             | 11,550                                                                              | *12,000                                                                             | 11,200                                                                              | 30.48   |
| 4.5 m                                                                            | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *9400                                                                             | *9400                                                                             | *8400                                                                             | 7150                                                                               | *7850                                                                               | 5300                                                                                | *5450                                                                               | 4550                                                                                | 9.84    |
| 15.0 ft                                                                          | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *20,300                                                                           | *20,300                                                                           | *18,250                                                                           | 15,400                                                                             | *17,150                                                                             | 11,350                                                                              | *12,000                                                                             | 10,000                                                                              | 32.22   |
| 3.0 m                                                                            | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *14 700                                                                           | 14 600                                                                            | *11 100                                                                           | 9500                                                                              | *9300                                                                             | 6800                                                                               | 8150                                                                                | 5150                                                                                | *5650                                                                               | 4250                                                                                | 10.10   |
| 10.0 ft                                                                          | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *31,550                                                                           | 31,500                                                                            | *24,000                                                                           | 20,500                                                                            | *20,250                                                                           | 14,650                                                                             | 17,450                                                                              | 11,000                                                                              | *12,350                                                                             | 9,350                                                                               | 33.11   |
| 1.5 m                                                                            | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *17 700                                                                           | 13 400                                                                            | *12 750                                                                           | 8900                                                                              | *10 250                                                                           | 6500                                                                               | 7950                                                                                | 4950                                                                                | *5950                                                                               | 4100                                                                                | 10.12   |
| 5.0 ft                                                                           | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *38,150                                                                           | 28,900                                                                            | *27,550                                                                           | 19,200                                                                            | *22,250                                                                           | 13,950                                                                             | 17,050                                                                              | 10,650                                                                              | *13,100                                                                             | 9,050                                                                               | 33.22   |
| 0.0 m                                                                            | kg |                                                                                   |                                                                                   | *8250                                                                             | *8250                                                                             | *19 250                                                                           | 12 750                                                                            | *13 900                                                                           | 8500                                                                              | 10 150                                                                            | 6200                                                                               | 7750                                                                                | 4800                                                                                | *6500                                                                               | 4150                                                                                | 9.93    |
| 0.0 ft                                                                           | lb |                                                                                   |                                                                                   | *18,750                                                                           | *18,750                                                                           | *41,650                                                                           | 27,450                                                                            | *30,050                                                                           | 18,250                                                                            | 21,850                                                                            | 13,400                                                                             | 16,700                                                                              | 10,300                                                                              | *14,300                                                                             | 9,150                                                                               | 32.56   |
| -1.5 m                                                                           | kg | *8650                                                                             | *8650                                                                             | *12 900                                                                           | *12 900                                                                           | *19 500                                                                           | 12 500                                                                            | 14 000                                                                            | 8250                                                                              | 10 000                                                                            | 6050                                                                               | 7700                                                                                | 4700                                                                                | 7150                                                                                | 4400                                                                                | 9.48    |
| -5.0 ft                                                                          | lb | *19,250                                                                           | *19,250                                                                           | *29,150                                                                           | *29,150                                                                           | *42,250                                                                           | 26,900                                                                            | 30,050                                                                            | 17,750                                                                            | 21,450                                                                            | 13,050                                                                             | 16,550                                                                              | 10,150                                                                              | 15,750                                                                              | 9,700                                                                               | 31.09   |
| -3.0 m                                                                           | kg | *13 650                                                                           | *13 650                                                                           | *18 850                                                                           | *18 850                                                                           | *18 650                                                                           | 12 550                                                                            | 13 950                                                                            | 8200                                                                              | 9950                                                                              | 6050                                                                               |                                                                                     |                                                                                     | 8000                                                                                | 4950                                                                                | 8.76    |
| -10.0 ft                                                                         | lb | *30,550                                                                           | *30,550                                                                           | *42,550                                                                           | *42,550                                                                           | *40,400                                                                           | 26,950                                                                            | 29,950                                                                            | 17,650                                                                            | 21,400                                                                            | 13,000                                                                             |                                                                                     |                                                                                     | 17,700                                                                              | 10,900                                                                              | 28.66   |
| -4.5 m                                                                           | kg | *19 600                                                                           | *19 600                                                                           | *23 050                                                                           | *23 050                                                                           | *16 650                                                                           | 12 750                                                                            | *12 600                                                                           | 8350                                                                              | *9450                                                                             | 6200                                                                               |                                                                                     |                                                                                     | *9050                                                                               | 6000                                                                                | 7.69    |
| -15.0 ft                                                                         | lb | *44,050                                                                           | *44,050                                                                           | *49,700                                                                           | *49,700                                                                           | *35,800                                                                           | 27,450                                                                            | *27,050                                                                           | 17,950                                                                            | *19,900                                                                           | 13,400                                                                             |                                                                                     |                                                                                     | *19,900                                                                             | 13,350                                                                              | 25.01   |
| -6.0 m                                                                           | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *12 650                                                                           | *12 650                                                                           | *8950                                                                             | 8750                                                                              |                                                                                   |                                                                                    |                                                                                     |                                                                                     | *8800                                                                               | 8650                                                                                | 6.06    |
| -20.0 ft                                                                         | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *26,650                                                                           | *26,650                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | *19,250                                                                             | *19,250                                                                             | 19.44   |



ISO 10567

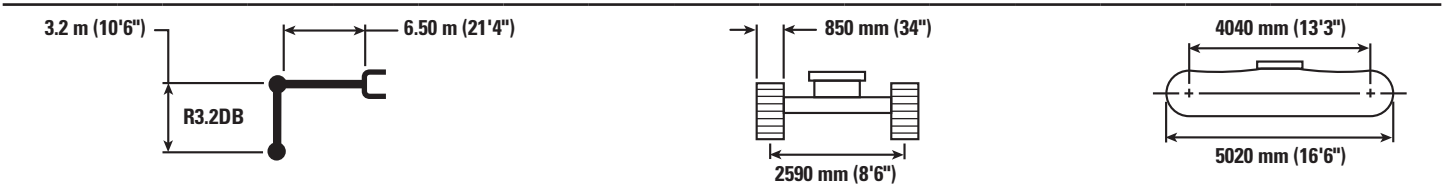


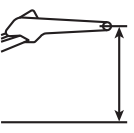
\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

# 336E H Hydraulic Excavator

## HD Reach Boom Lift Capacities – Counterweight: 4.9 mt (5.4 t) – Heavy Lift: On



|  |    | 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                                                                     |                                                                                    | 9.0 m/30.0 ft                                                                       |                                                                                     |  |                                                                                     | m<br>ft |
|----------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------|
|                                                                                  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |         |
| 7.5 m                                                                            | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *8500                                                                             | 7400                                                                               |                                                                                     |                                                                                     | *7200                                                                               | 7050                                                                                | 7.70    |
| 25.0 ft                                                                          | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | *15,900                                                                             | 15,850                                                                              | 24.98   |
| 6.0 m                                                                            | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *8600                                                                             | 7350                                                                               |                                                                                     |                                                                                     | *7000                                                                               | 5850                                                                                | 8.58    |
| 20.0 ft                                                                          | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *18,800                                                                           | 15,750                                                                             |                                                                                     |                                                                                     | *15,400                                                                             | 12,950                                                                              | 28.00   |
| 4.5 m                                                                            | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *13 050                                                                           | *13 050                                                                           | *10 500                                                                           | 10 000                                                                            | *9200                                                                             | 7100                                                                               | *8250                                                                               | 5300                                                                                | *7050                                                                               | 5150                                                                                | 9.13    |
| 15.0 ft                                                                          | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *22,750                                                                           | 21,550                                                                            | *20,050                                                                           | 15,300                                                                             |                                                                                     |                                                                                     | *15,500                                                                             | 11,400                                                                              | 29.88   |
| 3.0 m                                                                            | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *16 500                                                                           | 14 200                                                                            | *12 150                                                                           | 9400                                                                              | *10 050                                                                           | 6800                                                                               | 8150                                                                                | 5150                                                                                | *7300                                                                               | 4800                                                                                | 9.40    |
| 10.0 ft                                                                          | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *35,500                                                                           | 30,700                                                                            | *26,250                                                                           | 20,300                                                                            | *21,850                                                                           | 14,650                                                                             | 17,500                                                                              | 11,100                                                                              | *16,100                                                                             | 10,600                                                                              | 30.84   |
| 1.5 m                                                                            | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *19 000                                                                           | 13 250                                                                            | *13 600                                                                           | 8900                                                                              | 10 450                                                                            | 6500                                                                               | 8000                                                                                | 5000                                                                                | 7450                                                                                | 4700                                                                                | 9.43    |
| 5.0 ft                                                                           | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *41,000                                                                           | 28,550                                                                            | *29,400                                                                           | 19,150                                                                            | 22,550                                                                            | 14,050                                                                             | 17,200                                                                              | 10,800                                                                              | 16,400                                                                              | 10,300                                                                              | 30.96   |
| 0.0 m                                                                            | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *19 850                                                                           | 12 850                                                                            | 14 300                                                                            | 8550                                                                              | 10 250                                                                            | 6300                                                                               | 7900                                                                                | 4900                                                                                | 7600                                                                                | 4750                                                                                | 9.22    |
| 0.0 ft                                                                           | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *42,950                                                                           | 27,650                                                                            | 30,750                                                                            | 18,450                                                                            | 22,050                                                                            | 13,600                                                                             | 16,950                                                                              | 10,600                                                                              | 16,750                                                                              | 10,450                                                                              | 30.25   |
| -1.5 m                                                                           | kg |                                                                                   |                                                                                   | *14 100                                                                           | *14 100                                                                           | *19 450                                                                           | 12 750                                                                            | 14 150                                                                            | 8400                                                                              | 10 150                                                                            | 6200                                                                               |                                                                                     |                                                                                     | 8200                                                                                | 5100                                                                                | 8.74    |
| -5.0 ft                                                                          | lb |                                                                                   |                                                                                   | *31,900                                                                           | *31,900                                                                           | *42,150                                                                           | 27,450                                                                            | 30,400                                                                            | 18,150                                                                            | 21,800                                                                            | 13,400                                                                             |                                                                                     |                                                                                     | 18,050                                                                              | 11,200                                                                              | 28.65   |
| -3.0 m                                                                           | kg |                                                                                   |                                                                                   | *22 200                                                                           | *22 200                                                                           | *18 050                                                                           | 12 900                                                                            | *13 750                                                                           | 8450                                                                              | 10 200                                                                            | 6250                                                                               |                                                                                     |                                                                                     | 9400                                                                                | 5800                                                                                | 7.96    |
| -10.0 ft                                                                         | lb |                                                                                   |                                                                                   | *50,300                                                                           | *50,300                                                                           | *39,050                                                                           | 27,700                                                                            | *29,650                                                                           | 18,200                                                                            | 21,950                                                                            | 13,500                                                                             |                                                                                     |                                                                                     | 20,800                                                                              | 12,900                                                                              | 26.00   |
| -4.5 m                                                                           | kg |                                                                                   |                                                                                   | *20 250                                                                           | *20 250                                                                           | *15 300                                                                           | 13 200                                                                            | *11 600                                                                           | 8700                                                                              |                                                                                   |                                                                                    |                                                                                     |                                                                                     | *9800                                                                               | 7450                                                                                | 6.75    |
| -15.0 ft                                                                         | lb |                                                                                   |                                                                                   | *43,600                                                                           | *43,600                                                                           | *32,800                                                                           | 28,400                                                                            | *24,650                                                                           | 18,750                                                                            |                                                                                   |                                                                                    |                                                                                     |                                                                                     | *21,500                                                                             | 16,650                                                                              | 21.90   |



\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

# 336E H Hydraulic Excavator

## Work Tool Offering Guide\*

| Boom Option                       | HD Reach Boom                                                                               |                           |
|-----------------------------------|---------------------------------------------------------------------------------------------|---------------------------|
| Stick Option                      | R3.9DB (12'10")                                                                             | R3.2DB (10'6")            |
| Hammer                            | H16Es**                                                                                     | H160Es                    |
| Multi-Processor                   | MP20 with all jaw options                                                                   | MP20 with all jaw options |
| Mobile Scrap and Demolition Shear | S325B**<br>S365C***                                                                         | S325B<br>S365C***         |
| Pulverizer                        | P225                                                                                        | P225<br>P235**            |
| Compactor (Vibratory Plate)       | CVP110                                                                                      | CVP110                    |
| Thumbs                            | These work tools are available for the 336E H.<br>Consult your Cat dealer for proper match. |                           |
| Rippers                           |                                                                                             |                           |
| Rakes                             |                                                                                             |                           |
| Center-Lock™ Pin Grabber Coupler  |                                                                                             |                           |
| Dedicated Quick Coupler           |                                                                                             |                           |

\*Matches are dependent on excavator configurations. Consult your Cat dealer for proper work tool match.

\*\*Pin-on only.

\*\*\*Boom Mount.

# 336E H Hydraulic Excavator

## Bucket Specifications and Compatibility

|                                        | Linkage | Width |    | Capacity |      | Weight |       | Fill | HD Reach Boom  |                 |
|----------------------------------------|---------|-------|----|----------|------|--------|-------|------|----------------|-----------------|
|                                        |         | mm    | in | m³       | yd³  | kg     | lb    | %    | R3.2DB (10'6") | R3.9DB (12'10") |
| Without Quick Coupler                  |         |       |    |          |      |        |       |      |                |                 |
| General Duty (GDC)                     | DB      | 750   | 30 | 0.94     | 1.23 | 952    | 2,099 | 100% | ●              | ●               |
|                                        | DB      | 900   | 36 | 1.19     | 1.56 | 1040   | 2,292 | 100% | ●              | ●               |
|                                        | DB      | 1050  | 42 | 1.46     | 1.91 | 1147   | 2,528 | 100% | ●              | ●               |
|                                        | DB      | 1200  | 48 | 1.73     | 2.26 | 1232   | 2,716 | 100% | ●              | ⊖               |
|                                        | DB      | 1350  | 54 | 2.00     | 2.62 | 1342   | 2,957 | 100% | ⊙              | ○               |
|                                        | DB      | 1500  | 60 | 2.27     | 2.98 | 1451   | 3,197 | 100% | ⊖              | ○               |
|                                        | DB      | 1650  | 66 | 2.55     | 3.33 | 1536   | 3,386 | 100% | X              | X               |
| Heavy Duty (HD)                        | DB      | 750   | 30 | 0.73     | 0.95 | 1031   | 2,273 | 100% | ●              | ●               |
|                                        | DB      | 900   | 36 | 0.95     | 1.24 | 1178   | 2,595 | 100% | ●              | ●               |
|                                        | DB      | 1050  | 42 | 1.17     | 1.54 | 1267   | 2,793 | 100% | ●              | ●               |
|                                        | DB      | 1200  | 48 | 1.40     | 1.84 | 1398   | 3,080 | 100% | ●              | ⊙               |
|                                        | DB      | 1350  | 54 | 1.64     | 2.14 | 1459   | 3,215 | 100% | ●              | ⊖               |
|                                        | DB      | 1500  | 60 | 1.88     | 2.46 | 1566   | 3,452 | 100% | ⊙              | ○               |
|                                        | DB      | 1650  | 66 | 2.12     | 2.77 | 1697   | 3,740 | 100% | X              | X               |
|                                        | DB      | 1800  | 72 | 2.36     | 3.08 | 1851   | 4,080 | 100% | X              | X               |
| Severe Duty (SD)                       | DB      | 750   | 30 | 0.73     | 0.95 | 1096   | 2,415 | 90%  | ●              | ●               |
|                                        | DB      | 900   | 36 | 0.95     | 1.24 | 1252   | 2,760 | 90%  | ●              | ●               |
|                                        | DB      | 1050  | 42 | 1.17     | 1.54 | 1353   | 2,981 | 90%  | ●              | ●               |
|                                        | DB      | 1200  | 48 | 1.40     | 1.84 | 1493   | 3,292 | 90%  | ●              | ●               |
|                                        | DB      | 1350  | 54 | 1.64     | 2.14 | 1599   | 3,524 | 90%  | ●              | ⊙               |
| Maximum load pin-on (payload + bucket) |         |       |    |          |      |        |       | kg   | 4810           | 4125            |
|                                        |         |       |    |          |      |        |       | lb   | 5,896          | 9,092           |

The above loads are in compliance with hydraulic excavator standard EN474, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451.

Bucket weight with General Duty tips.

- Maximum Material Density:**
- 2100 kg/m³ (3,500 lb/yd³)
  - ⊙ 1800 kg/m³ (3,000 lb/yd³)
  - ⊖ 1500 kg/m³ (2,500 lb/yd³)
  - 1200 kg/m³ (2,000 lb/yd³)
  - ◇ 900 kg/m³ (1,500 lb/yd³)
  - X Not Recommended

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

# 336E H Hydraulic Excavator

## Bucket Specifications and Compatibility

|                                              | Linkage | Width |    | Capacity |      | Weight |       | Fill | HD Reach Boom  |                 |
|----------------------------------------------|---------|-------|----|----------|------|--------|-------|------|----------------|-----------------|
|                                              |         | mm    | in | m³       | yd³  | kg     | lb    | %    | R3.2DB (10'6") | R3.9DB (12'10") |
| With Center-Lock Quick Coupler               |         |       |    |          |      |        |       |      |                |                 |
| General Duty (GDC)                           | DB      | 750   | 30 | 0.94     | 1.23 | 952    | 2,099 | 100% | ●              | ●               |
|                                              | DB      | 900   | 36 | 1.19     | 1.56 | 1040   | 2,292 | 100% | ●              | ●               |
|                                              | DB      | 1050  | 42 | 1.46     | 1.91 | 1147   | 2,528 | 100% | ●              | ⊖               |
|                                              | DB      | 1200  | 48 | 1.73     | 2.26 | 1232   | 2,716 | 100% | ⊙              | ○               |
|                                              | DB      | 1350  | 54 | 2.00     | 2.62 | 1342   | 2,957 | 100% | ⊖              | ◇               |
|                                              | DB      | 1500  | 60 | 2.27     | 2.98 | 1451   | 3,197 | 100% | ○              | ◇               |
|                                              | DB      | 1650  | 66 | 2.55     | 3.33 | 1536   | 3,386 | 100% | X              | X               |
| Heavy Duty (HD)                              | DB      | 750   | 30 | 0.73     | 0.95 | 1031   | 2,273 | 100% | ●              | ●               |
|                                              | DB      | 900   | 36 | 0.95     | 1.24 | 1178   | 2,595 | 100% | ●              | ●               |
|                                              | DB      | 1050  | 42 | 1.17     | 1.54 | 1267   | 2,793 | 100% | ●              | ⊙               |
|                                              | DB      | 1200  | 48 | 1.40     | 1.84 | 1398   | 3,080 | 100% | ●              | ⊖               |
|                                              | DB      | 1350  | 54 | 1.64     | 2.14 | 1459   | 3,215 | 100% | ⊖              | ○               |
|                                              | DB      | 1500  | 60 | 1.88     | 2.46 | 1566   | 3,452 | 100% | ⊖              | ◇               |
|                                              | DB      | 1650  | 66 | 2.12     | 2.77 | 1697   | 3,740 | 100% | X              | X               |
|                                              | DB      | 1800  | 72 | 2.36     | 3.08 | 1851   | 4,080 | 100% | X              | X               |
| Severe Duty (SD)                             | DB      | 750   | 30 | 0.73     | 0.95 | 1096   | 2,415 | 90%  | ●              | ●               |
|                                              | DB      | 900   | 36 | 0.95     | 1.24 | 1252   | 2,760 | 90%  | ●              | ●               |
|                                              | DB      | 1050  | 42 | 1.17     | 1.54 | 1353   | 2,981 | 90%  | ●              | ●               |
|                                              | DB      | 1200  | 48 | 1.40     | 1.84 | 1493   | 3,292 | 90%  | ●              | ⊖               |
|                                              | DB      | 1350  | 54 | 1.64     | 2.14 | 1599   | 3,524 | 90%  | ⊙              | ○               |
| Maximum load with coupler (payload + bucket) |         |       |    |          |      |        |       | kg   | 4252           | 3567            |
|                                              |         |       |    |          |      |        |       | lb   | 9,371          | 7,862           |

The above loads are in compliance with hydraulic excavator standard EN474, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451.

Bucket weight with General Duty tips.

- Maximum Material Density:**
- 2100 kg/m³ (3,500 lb/yd³)
  - ⊙ 1800 kg/m³ (3,000 lb/yd³)
  - ⊖ 1500 kg/m³ (2,500 lb/yd³)
  - 1200 kg/m³ (2,000 lb/yd³)
  - ◇ 900 kg/m³ (1,500 lb/yd³)
  - X Not Recommended

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