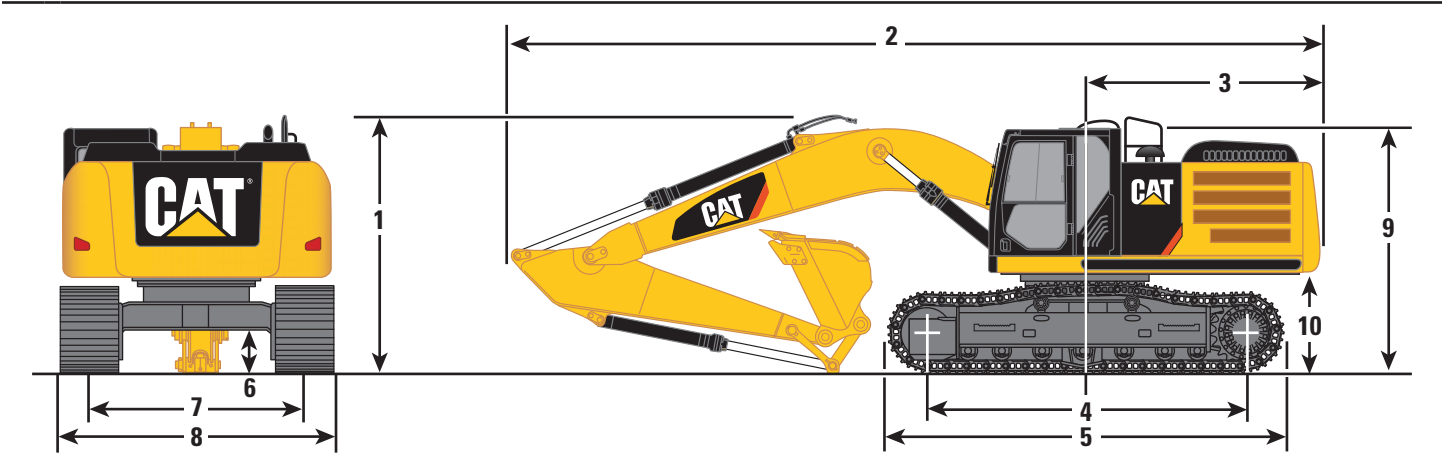


336E L Hydraulic Excavator

Dimensions

All dimensions are approximate.

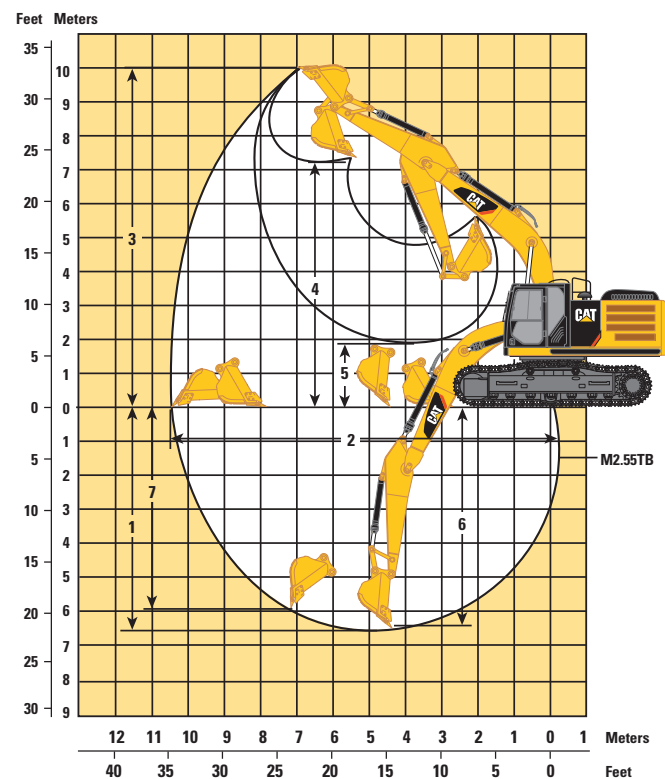
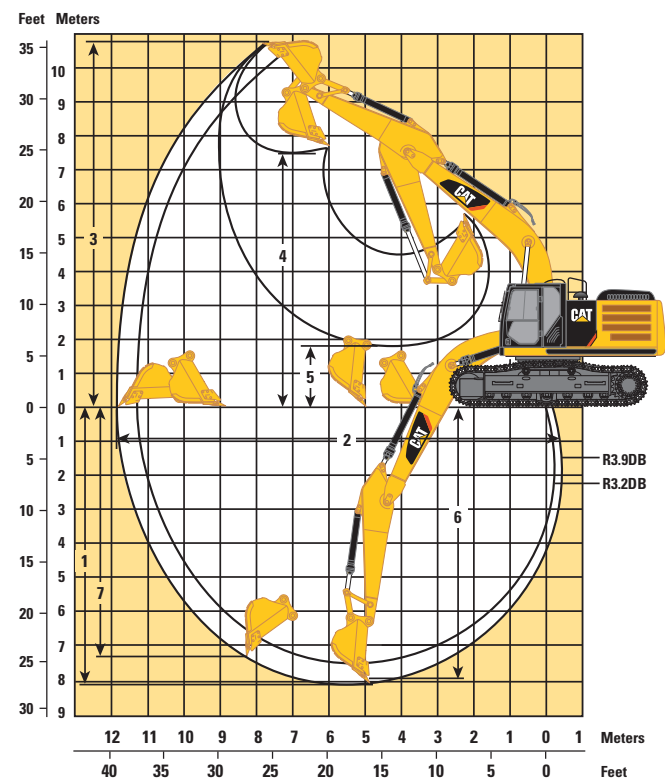


Stick	Extreme Service and Heavy Duty Reach Booms 6.50 m (21'4")		Mass Boom 6.18 m (20'3")
	R3.9DB (12'10")	R3.2DB (10'6")	M2.55TB (8'4")
	mm (ft)	mm (ft)	mm (ft)
1 Shipping Height (with Shoe Lug Height)	3660 (12'0")	3510 (11'6")	3600 (11'10")
Shipping Height with Top Guard	3660 (12'0")	3510 (11'6")	3510 (11'6")
2 Shipping Length	11 170 (36'8")	11 160 (36'7")	10 890 (35'9")
3 Tail Swing Radius	3500 (11'6")	3500 (11'6")	3500 (11'6")
4 Length to Center of Rollers			
Long Undercarriage	4040 (13'3")	4040 (13'3")	4040 (13'3")
5 Track Length			
Long Undercarriage	5020 (16'6")	5020 (16'6")	5020 (16'6")
6 Ground Clearance			
With Shoe Lug Height	510 (1'8")	510 (1'8")	510 (1'8")
Without Shoe Lug Height	480 (1'7")	480 (1'7")	480 (1'7")
7 Track Gauge			
Long Undercarriage	2590 (8'6")	2590 (8'6")	2590 (8'6")
8 Transport Width			
Long/Std U/C – 700 mm (28") Shoes	3290 (10'10")	3290 (10'10")	3290 (10'10")
Long/Std U/C – 800 mm (32") Shoes	3390 (11'1")	3390 (11'1")	3390 (11'1")
Long/Std U/C – 850 mm (34") Shoes	3440 (11'3")	3440 (11'3")	3440 (11'3")
9 Cab Height	3150 (10'4")	3150 (10'4")	3150 (10'4")
Cab Height with Top Guard	3360 (11'0")	3360 (11'0")	3360 (11'0")
10 Counterweight Clearance (without Shoe Lug Height)	1220 (4'0")	1220 (4'0")	1220 (4'0")

336E L Hydraulic Excavator

Working Ranges

All dimensions are approximate.



Stick	Extreme Service and Heavy Duty Reach Booms 6.50 m (21'4")		Mass Boom 6.18 m (20'3")
	R3.9DB (12'10")	R3.2DB (10'6")	M2.55TB (8'4")
	mm (ft)	mm (ft)	mm (ft)
1 Maximum Digging Depth	8190 (26'10")	7490 (24'7")	6650 (21'10")
2 Maximum Reach at Ground Level	11 720 (38'5")	11 020 (36'2")	10 260 (33'8")
3 Maximum Cutting Height	10 740 (35'3")	10 320 (33'10")	9970 (32'9")
4 Maximum Loading Height	7500 (24'7")	7110 (23'4")	6620 (21'9")
5 Minimum Loading Height	1910 (6'3")	2610 (8'7")	2920 (9'7")
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	7610 (25'0")	6820 (22'5")	5810 (19'1")
7 Maximum Vertical Wall Digging Depth	6310 (20'8")	5500 (18'1")	4450 (14'7")

336E L Hydraulic Excavator

Operating Weight and Ground Pressure

	850 mm (34")		800 mm (32")		700 mm (28")	
	Triple Grouser Shoes		Triple Grouser Shoes		Triple Grouser Shoes	
	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
Long Undercarriage						
HD Reach Boom – 6.50 m (21'4")						
R3.9DB (12'10")	37 300 (82,200)	49.0 (7.1)	37 000 (81,600)	51.7 (7.5)	36 300 (80,000)	58.0 (8.4)
R3.2DB (10'6")	37 000 (81,600)	48.7 (7.1)	36 700 (80,900)	51.3 (7.4)	36 100 (79,600)	57.7 (8.4)
ES Reach Boom – 6.50 m (21'4") – including 7.0 mt (7.7 t) counterweight						
R3.9DB HD (12'10")	39 100 (86,200)	51.4 (7.5)	38 900 (85,800)	54.3 (7.9)	38 200 (84,200)	61.0 (8.8)
R3.2DB HD (10'6")	38 900 (85,800)	51.1 (7.4)	38 600 (85,100)	53.9 (7.8)	37 900 (83,600)	60.5 (8.8)
Mass Boom – 6.18 m (20'3")						
M2.55TB (8'4")	38 100 (84,000)	50.1 (7.3)	37 800 (83,300)	52.8 (7.7)	37 100 (81,800)	59.3 (8.6)

336E L Hydraulic Excavator

Major Component Weights*

	kg	lb
Lower Structure (without counterweight and track)		
Long Undercarriage	8700	19,200
Upper Structure (without front linkage)		
For 6.0 mt (6.6 t) counterweight	9000	19,800
For 7.0 mt (7.7 t) counterweight	9200	20,300
Counterweight		
6.0 mt (6.6 t)	6000	13,200
7.0 mt (7.7 t)	7000	15,400
Boom (includes lines, pins and stick cylinder)		
HD Reach Boom – 6.50 m (21'4")	4100	9,000
ES Reach Boom – 6.50 m (21'4")	4300	9,500
Mass Boom – 6.18 m (20'3")	4000	8,800
Stick (includes lines, pins and bucket cylinder)		
R3.9DB HD (12'10")	2100	4,600
R3.9DB ES (12'10")	2300	5,100
R3.2DB HD (10'6")	1800	4,000
R3.2DB ES (10'6")	2000	4,400
M2.55TB (8'4")	2000	4,400
Track shoe (Long)		
700 mm (28") triple grouser	4400	9,700
800 mm (32") triple grouser	5100	11,200
850 mm (34") triple grouser	5400	11,900
Quick Coupler	540	1,200
Buckets		
DB1536GP-C 342-2192 SAE 2.28 m ³ (2.98 yd ³)	1500	3,300
TB1676SD 339-3748 SAE 2.41 m ³ (3.15 yd ³)	2500	5,500

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

336E L Hydraulic Excavator

Bucket and Stick Forces

	Extreme Service and Heavy Duty Reach Booms 6.50 m (21'4")		Mass Boom 6.18 m (20'3")
Stick	R3.9DB (12'10")	R3.2DB (10'6")	M2.55TB (8'4")
	kN (lbf)	kN (lbf)	kN (lbf)
General Duty			
Bucket Digging Force (SAE)	188.5 (42,380)	188.5 (42,380)	234.7 (52,760)
Stick Digging Force (SAE)	141.5 (31,810)	162.1 (36,440)	184.6 (41,500)
Heavy Duty			
Bucket Digging Force (SAE)	184.9 (41,570)	184.9 (41,570)	234.7 (52,760)
Stick Digging Force (SAE)	140.7 (31,630)	161.1 (36,220)	184.6 (41,500)
Severe Duty			
Bucket Digging Force (SAE)	184.9 (41,570)	184.9 (41,570)	231.0 (51,930)
Stick Digging Force (SAE)	140.7 (31,630)	161.1 (36,220)	183.9 (41,340)
Extreme Duty			
Bucket Digging Force (SAE)	184.9 (41,570)	184.9 (41,570)	—
Stick Digging Force (SAE)	140.7 (31,630)	161.1 (36,220)	—

336E L Hydraulic Excavator

336E L Heavy Duty Reach Boom Lift Capacities – Americas



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

Boom – 6.50 m (21'4")

Counterweight – 6.0 mt (6.6 t)

Bucket – None

Stick – R3.9DB (12'10")

Shoes – 800 mm (32") triple grouser

Heavy Lift Mode – 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 ft
																
9.0 m 30.0 ft	kg lb													*6250 *13,950	*6250 *13,950	7.35 23.64
7.5 m 25.0 ft	kg lb									*7700 *17,050	7650 16,450			*5800 *12,850	*5800 *12,850	8.53 27.74
6.0 m 20.0 ft	kg lb									*8000 *17,550	7550 16,200	*7500 *14,550	5550 11,850	*5650 *12,450	5150 11,500	9.33 30.48
4.5 m 15.0 ft	kg lb							*9800 *21,200	*9800 *21,200	*8750 *19,100	7300 15,650	*8200 *17,950	5450 11,650	*5650 *12,450	4650 10,250	9.84 32.22
3.0 m 10.0 ft	kg lb					*15 300 *32,900	14 850 32,000	*11 600 *25,100	9700 20,850	*9750 *21,150	6950 14,950	8250 17,700	5250 11,300	*5850 *12,850	4350 9,600	10.10 33.11
1.5 m 5.0 ft	kg lb					*18 450 *39,800	13 700 29,450	*13 300 *28,800	9100 19,600	10 600 22,750	6650 14,250	8050 17,300	5100 10,900	*6200 *13,600	4250 9,350	10.12 33.22
Ground Line	kg lb			*8550 *19,400	*8550 *19,400	*20 100 *43,450	13 050 28,050	14 450 31,000	8700 18,700	10 300 22,150	6400 13,700	7900 16,950	4950 10,600	*6750 *14,850	4300 9,450	9.93 32.56
-1.5 m -5.0 ft	kg lb	*8900 *19,900	*8900 *19,900	*13 300 *30,050	*13 300 *30,050	*20 350 *44,100	12 800 27,500	14 150 30,450	8450 18,200	10 100 21,750	6200 13,400	7800 16,800	4850 10,450	7250 16,000	4550 10,000	9.48 31.09
-3.0 m -10.0 ft	kg lb	*14 100 *31,550	*14 100 *31,550	*19 400 *43,850	*19 400 *43,850	*19 500 *42,150	12 800 27,550	14 100 30,350	8400 18,100	10 100 21,700	6200 13,350			8150 18,000	5050 11,200	8.76 28.66
-4.5 m -15.0 ft	kg lb	*20 200 *45,400	*20 200 *45,400	*24 050 *51,900	*24 050 *51,900	*17 350 *37,450	13 000 28,000	*13 200 *28,300	8550 18,400	*9900 *20,850	6350 13,700			*9450 *20,850	6150 13,700	7.69 25.01
-6.0 m -20.0 ft	kg lb					*13 250 *27,950	*13 250 *27,950	*9400 8950						*9250 *20,250	8850 20,100	6.06 19.44

Boom – 6.50 m (21'4")

Counterweight – 6.0 mt (6.6 t)

Bucket – None

Stick – R3.2DB (10'6")

Shoes – 800 mm (32") triple grouser

Heavy Lift Mode – 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 ft
7.5 m 25.0 ft	kg lb									*8800 19,500	7500 15,950			*9100 20,150	8700 19,700	6.58 21.25
6.0 m 20.0 ft	kg lb									*8900 19,500	7400 15,950			*8700 19,150	6800 15,100	7.59 24.74
4.5 m 15.0 ft	kg lb					*13 500 29,500	*13 500 29,500	*10 900 23,600	10 100 21,750	*9550 20,800	7200 15,450	8350 18,550	5350 11,750	*8650 19,100	5850 12,950	8.21 26.85
3.0 m 10.0 ft	kg lb					*17 150 36,800	14 400 31,050	*12 600 27,250	9500 20,500	*10 450 22,700	6900 14,850	8200 17,650	5250 11,250	8500 18,800	5400 11,850	8.51 27.92
1.5 m 5.0 ft	kg lb					*19 700 42,550	13 450 28,950	*14 100 30,500	9000 19,450	10 550 22,700	6600 14,250	8050 17,300	5100 10,950	8350 18,350	5250 11,500	8.55 28.05
Ground Line	kg lb					*20 550 44,550	13 050 28,050	14 450 31,000	8700 18,700	10 300 22,200	6400 13,800	7950 17,100	5000 10,750	8600 18,950	5350 11,800	8.31 27.27
-1.5 m -5.0 ft	kg lb			*14 500 32,800	*14 500 32,800	*20 150 43,750	12 950 27,850	14 250 30,650	8550 18,400	10 200 22,000	6300 13,600			9450 20,850	5850 12,950	7.78 25.48
-3.0 m -10.0 ft	kg lb			*22 850 51,700	*22 850 51,700	*18 700 40,550	13 050 28,100	*14 250 30,750	8600 18,500	10 250 22,100	6350 13,750			*10 800 23,750	7050 15,600	6.88 22.45
-4.5 m -15.0 ft	kg lb			*21 050 45,350	*21 050 45,350	*15 900 34,100	13 350 28,800	*12 050 25,650	8800 19,000					*10 050 21,950	*10 050 21,950	5.43 17.51
-6.0 m -20.0 ft	kg lb															

*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.

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

336E L Hydraulic Excavator

336E L Heavy Duty Reach Boom Lift Capacities – Americas



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

Boom – 6.50 m (21'4")

Counterweight – 6.0 mt (6.6 t)

Bucket – None

Stick – R3.9DB (12'10")

Shoes – 850 mm (34") triple grouser

Heavy Lift Mode – 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 ft		
9.0 m 30.0 ft	kg lb															*6250 *13,950	*6250 *13,950	7.35 23.64
7.5 m 25.0 ft	kg lb									*7700 *17,050	*7700 16,550					*5800 *12,850	*5800 *12,850	8.53 27.74
6.0 m 20.0 ft	kg lb									*8000 *17,550	7600 16,300	*7500 *14,550	5600 11,900			*5650 *12,450	5200 11,550	9.33 30.48
4.5 m 15.0 ft	kg lb								*9800 *21,200	*9800 *21,200	*8750 *19,100	7350 15,750	*8200 *17,950	5450 11,750		*5650 *12,450	4700 10,350	9.84 32.22
3.0 m 10.0 ft	kg lb					*15 300 *32,900	14 950 32,200	*11 600 *25,100	9750 21,000	*9750 *21,150	7000 15,100	8300 17,850	5300 11,400		*5850 *12,850	4400 9,650	10.10 33.11	
1.5 m 5.0 ft	kg lb					*18 450 *39,800	13 750 29,700	*13 300 *28,800	9150 19,750	10 650 22,950	6700 14,400	8100 17,450	5100 11,000		*6200 *13,600	4300 9,400	10.12 33.22	
Ground Line	kg lb			*8550 *19,400	*8550 *19,400	*20 100 *43,450	13 150 28,250	*14 500 31,250	8750 18,850	10 400 22,300	6450 13,850	7950 17,100	5000 10,700		*6750 *14,850	4350 9,500	9.93 32.56	
-1.5 m -5.0 ft	kg lb	*8900 *19,900	*8900 *19,900	*13 300 *30,050	*13 300 *30,050	*20 350 *44,100	12 900 27,700	14 300 30,700	8500 18,350	10 200 21,950	6250 13,500	7850 16,950	4900 10,550		7300 16,150	4600 10,050	9.48 31.09	
-3.0 m -10.0 ft	kg lb	*14 100 *31,550	*14 100 *31,550	*19 400 *43,850	*19 400 *43,850	*19 500 *42,150	12 900 27,750	14 250 30,550	8450 18,250	10 150 21,900	6250 13,450				8200 18,100	5100 11,300	8.76 28.66	
-4.5 m -15.0 ft	kg lb	*20 200 *45,400	*20 200 *45,400	*24 050 *51,900	*24 050 *51,900	*17 350 *37,450	13 100 28,250	*13 200 *28,300	8600 18,550	*9900 *20,850	6400 13,800				*9450 *20,850	6200 13,800	7.69 25.01	
-6.0 m -20.0 ft	kg lb					*13 250 *27,950	*13 250 *27,950	*9400 9000							*9250 *20,250	8900 *20,250	6.06 19.44	

*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.

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

336E L Hydraulic Excavator

336E L Extreme Service Boom Lift Capacities – Americas



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

Boom – 6.50 m (21'4")

Counterweight – 7.0 mt (7.7 t)

Bucket – None

Stick – R3.9DB (12'10")

Shoes – 800 mm (32") triple grouser

Heavy Lift Mode – 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 ft		
9.0 m 30.0 ft	kg lb															*6150 *13,650	*6150 *13,650	7.35 23.64
7.5 m 25.0 ft	kg lb									*7500 *16,550	*7500 *16,550					*5700 *12,600	*5700 *12,600	8.53 27.74
6.0 m 20.0 ft	kg lb									*7800 *17,050	*7800 *17,050	*7400 *14,250	5900 12,600	*5550 *12,200	5500 *12,200			9.33 30.48
4.5 m 15.0 ft	kg lb							*9550 *20,650	*9550 *20,650	*8550 *18,550	7750 16,700	*7950 *17,400	5800 12,400	*5550 *12,200	4950 10,900			9.84 32.22
3.0 m 10.0 ft	kg lb					*15 000 *32,200	*15 000 *32,200	*11 300 *24,450	10 350 22,300	*9500 *20,550	7400 15,950	*8450 *18,350	5600 12,000	*5700 *12,550	4600 10,150			10.10 33.11
1.5 m 5.0 ft	kg lb					*18 050 *38,900	14 650 31,550	*13 000 *28,050	9700 20,950	*10 450 *22,600	7050 15,200	8500 18,300	5400 11,600	*6050 *13,300	4500 9,900			10.12 33.22
Ground Line	kg lb			*8400 *19,150	*8400 *19,150	*19 650 *42,450	13 950 30,000	*14 150 *30,600	9250 19,950	10 950 23,500	6800 14,600	8350 17,950	5250 11,250	*6600 *14,550	4550 10,000			9.93 32.56
-1.5 m -5.0 ft	kg lb		*8800 *19,600	*8800 *19,600	*13 200 *29,800	*13 200 *29,800	*19 850 *43,050	13 700 29,400	*14 600 *31,600	9000 19,400	10 750 23,100	6600 14,250	8250 17,800	5150 11,100	*7500 *16,550	4800 10,600		9.48 31.09
-3.0 m -10.0 ft	kg lb		*13 950 *31,250	*13 950 *31,250	*19 250 *43,600	*19 250 *43,600	*19 000 *41,150	13 700 29,450	*14 250 *30,800	8950 19,300	10 700 23,050	6600 14,200			8600 19,050	5400 11,900		8.76 28.66
-4.5 m -15.0 ft	kg lb		*20 100 *45,150	*20 100 *45,150	*23 450 *50,600	*23 450 *50,600	*16 900 *36,450	13 950 30,000	*12 800 *27,500	9100 19,650	*9600 *20,200	6750 14,600			*9150 *20,150	6550 14,600		7.69 25.01
-6.0 m -20.0 ft	kg lb						*12 850 *27,050	*12 850 *27,050	*9050 *9050						*8900 *19,500	*8900 *19,500		6.06 19.44

Boom – 6.50 m (21'4")

Counterweight – 7.0 mt (7.7 t)

Bucket – None

Stick – R3.2DB (10'6")

Shoes – 800 mm (32") triple grouser

Heavy Lift Mode – 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
7.5 m	kg									*8600	8000			*7300	*7300	7.70
25.0 ft	lb													*16,200	*16,200	24.98
6.0 m	kg									*8700	7950			*7100	6300	8.58
20.0 ft	lb									*19,100	17,050			*15,650	14,050	28.00
4.5 m	kg					*13 300	*13 300	*10 700	*10 700	*9350	7700	*8400	5750	*7150	5600	9.13
15.0 ft	lb							*23,150	*23,150	*20,350	16,600			*15,750	12,400	29.88
3.0 m	kg					*16 850	15 450	*12 350	10 200	*10 200	7400	8750	5600	*7450	5250	9.40
10.0 ft	lb					*36,150	33,350	*26,700	22,050	*22,200	15,900	18,750	12,050	*16,350	11,500	30.84
1.5 m	kg					*19 350	14 450	*13 850	9700	*11 050	7100	8550	5450	*7950	5100	9.43
5.0 ft	lb					*41,800	31,150	*29,900	20,850	*23,950	15,250	18,450	11,750	*17,500	11,200	30.96
Ground Line	kg					*20 200	14 000	*14 700	9350	11 000	6900	8450	5350	8150	5200	9.22
	lb					*43,750	30,150	*31,800	20,100	23,650	14,800	18,200	11,500	18,000	11,400	30.25
-1.5 m	kg			*14 400	*14 400	*19 800	13 900	*14 750	9200	10 900	6750			8800	5550	8.74
-5.0 ft	lb			*32,600	*32,600	*42,900	29,950	*32,000	19,750	23,450	14,600			19,350	12,200	28.65
-3.0 m	kg			*22 750	*22 750	*18 350	14 050	*13 950	9200	*10 800	6800			*9850	6350	7.96
-10.0 ft	lb			*51,500	*51,500	*39,700	30,200	*30,150	19,850	*23,150	14,700			*21,750	14,000	26.00
-4.5 m	kg			*20 600	*20 600	*15 500	14 400	*11 750	9450					*9900	8100	6.75
-15.0 ft	lb			*44,350	*44,350	*33,350	30,950	*25,000	20,400					*21,800	18,100	21.90
-6.0 m	kg															
-20.0 ft	lb															

*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.

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

336E L Hydraulic Excavator

336E L Extreme Service Boom Lift Capacities – Americas



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

Boom – 6.50 m (21'4")

Counterweight – 7.0 mt (7.7 t)

Bucket – None

Stick – R3.9DB (12'10")

Shoes – 850 mm (34") triple grouser

Heavy Lift Mode – 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 ft
																
9.0 m 30.0 ft	kg lb													*6150 *13,650	*6150 *13,650	7.35 23.64
7.5 m 25.0 ft	kg lb									*7500 *16,550	*7500 *16,550			*5700 *12,600	*5700 *12,600	8.53 27.74
6.0 m 20.0 ft	kg lb									*7800 *17,050	*7800 *17,050	*7400 *14,250	5950 12,650	*5550 *12,200	*5550 *12,200	9.33 30.48
4.5 m 15.0 ft	kg lb							*9550 *20,650	*9550 *20,650	*8550 *18,550	7850 16,850	*7950 *17,400	5800 12,450	*5550 *12,200	4950 10,950	9.84 32.22
3.0 m 10.0 ft	kg lb					*15 000 *32,200	*15 000 *32,200	*11 300 *24,450	10 400 22,450	*9500 *20,550	7450 16,050	*8450 *18,350	5650 12,100	*5700 *12,550	4650 10,250	10.10 33.11
1.5 m 5.0 ft	kg lb					*18 050 *38,900	14 750 31,750	*13 000 *28,050	9800 21,100	*10 450 *22,600	7100 15,300	8600 18,450	5450 11,700	*6050 *13,300	4550 9,950	10.12 33.22
Ground Line	kg lb			*8400 *19,150	*8400 *19,150	*19 650 *42,450	14 050 30,200	*14 150 *30,600	9350 20,100	11 000 23,650	6850 14,700	8400 18,100	5300 11,350	*6600 *14,550	4600 10,100	9.93 32.56
-1.5 m -5.0 ft	kg lb	*8800 *19,600	*8800 *19,600	*13 200 *29,800	*13 200 *29,800	*19 850 *43,050	13 800 29,650	*14 600 *31,600	9100 19,550	10 800 23,300	6650 14,350	8350 17,900	5200 11,200	*7500 *16,550	4850 10,700	9.48 31.09
-3.0 m -10.0 ft	kg lb	*13 950 *31,250	*13 950 *31,250	*19 250 *43,600	*19 250 *43,600	*19 000 *41,150	13 800 29,650	*14 250 *30,800	9050 19,450	10 800 23,200	6650 14,300			8700 19,200	5400 12,000	8.76 28.66
-4.5 m -15.0 ft	kg lb	*20 100 *45,150	*20 100 *45,150	*23 450 *50,600	*23 450 *50,600	*16 900 *36,450	14 050 30,200	*12 800 *27,500	9150 19,750	*9600 *20,200	6800 14,700			*9150 *20,150	6600 14,700	7.69 25.01
-6.0 m -20.0 ft	kg lb					*12 850 *27,050	*12 850 *27,050	*9050 *9050						*8900 *19,500	*8900 *19,500	6.06 19.44

Boom – 6.50 m (21'4")

Counterweight – 7.0 mt (7.7 t)

Bucket – None

Stick – R3.2DB (10'6")

Shoes – 850 mm (34") triple grouser

Heavy Lift Mode – 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 ft
															
7.5 m 25.0 ft	kg lb								*8600 *19,100	8050 17,200			*7300 *16,200	*7300 *16,200	7.70 24.98
6.0 m 20.0 ft	kg lb								*8700 *19,100	8000 17,200			*7100 *15,650	6350 14,150	8.58 28.00
4.5 m 15.0 ft	kg lb				*13 300 *29,150	*13 300 *29,150	*10 700 *23,150	*10 700 *23,150	*9350 *20,350	7750 16,700	*8400 *18,900	5800 12,150	*7150 *15,750	5650 12,450	9.13 29.88
3.0 m 10.0 ft	kg lb				*16 850 *36,150	15 550 33,600	*12 350 *26,700	10 300 22,200	*10 200 *22,200	7450 16,000	8800 18,900	5650 12,150	*7450 *16,350	5250 11,600	9.40 30.84
1.5 m 5.0 ft	kg lb				*19 350 *41,800	14 550 31,350	*13 850 *29,900	9750 21,000	*11 050 *23,950	7150 15,400	8650 18,550	5500 11,800	*7950 *17,500	5150 11,300	9.43 30.96
Ground Line	kg lb				*20 200 *43,750	14 100 30,350	*14 700 *31,800	9400 20,250	11 100 23,850	6950 14,900	8500 18,350	5400 11,600	8250 18,100	5200 11,450	9.22 30.25
-1.5 m -5.0 ft	kg lb		*14 400 *32,600	*14 400 *32,600	*19 800 *42,900	14 000 30,150	*14 750 *32,000	9250 19,900	10 950 23,600	6800 14,700			8850 19,500	5600 12,300	8.74 28.65
-3.0 m -10.0 ft	kg lb		*22 750 *51,500	*22 750 *51,500	*18 350 *39,700	14 150 30,400	*13 950 *30,150	9300 20,000	*10 800 *23,150	6850 14,800			*9850 *21,750	6400 14,100	7.96 26.00
-4.5 m -15.0 ft	kg lb		*20 600 *44,350	*20 600 *44,350	*15 500 *33,350	14 500 31,150	*11 750 *25,000	9500 20,550					*9900 *21,800	8150 18,250	6.75 21.90
-6.0 m -20.0 ft	kg lb														

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

336E L Hydraulic Excavator

336E L Mass Boom Lift Capacities – Americas



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

Boom – 6.18 m (20'3")

Counterweight – 6.0 mt (6.6 t)

Bucket – None

Stick – M2.55TB (8'4")

Shoes – 800 mm (32") triple grouser

Heavy Lift Mode – On

 7.5 m 25.0 ft kg lb	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 ft		
7.5 m 25.0 ft kg lb							*10 300 *22,700	*10 300 22,400					*9100 *20,150	8900 20,150	6.58 21.25
6.0 m 20.0 ft kg lb							*10 650 *23,150	10 250 22,100	*9900	7100			*8700 *19,150	6950 15,500	7.59 24.74
4.5 m 15.0 ft kg lb					*14 850 *31,900	*14 850 *31,900	*11 800 *25,600	9800 21,150	*10 400 *22,650	6950 14,950			*8650 *19,100	6000 13,300	8.21 26.85
3.0 m 10.0 ft kg lb					*18 150 *39,050	14 000 30,200	*13 300 *28,800	9300 20,000	10 650 22,950	6700 14,450			8750 19,300	5550 12,200	8.51 27.92
1.5 m 5.0 ft kg lb					*20 200 *43,650	13 200 28,400	*14 550 31,400	8850 19,000	10 400 22,400	6500 13,950			8550 18,850	5400 11,850	8.55 28.05
Ground Line kg lb					*20 450 *44,300	12 900 27,800	14 300 30,750	8550 18,450	10 250 22,000	6300 13,600			8850 19,450	5500 12,150	8.31 27.27
-1.5 m -5.0 ft kg lb			*18 400 *41,800	*18 400 *41,800	*19 400 *42,100	12 950 27,800	14 250 30,550	8500 18,300	10 200 22,000	6300 13,600			9700 21,450	6050 13,300	7.78 25.48
-3.0 m -10.0 ft kg lb			*22 250 *48,350	*22 250 *48,350	*17 150 *37,100	13 150 28,250	*13 050 28,100	8650 18,600					*10 800 *23,750	7250 16,050	6.88 22.45
-4.5 m -15.0 ft kg lb					*12 650 *26,750	*12 650 *26,750							*10 050 *21,950	*10 050 *21,950	5.43 17.51
-6.0 m -20.0 ft kg lb															

*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.

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

336E L Work Tool Offering Guide*

Boom Option	Heavy Duty Reach Boom		Mass Boom	Extreme Service Boom	
Stick Option	R3.9 (HD) (12'10")	R3.2 (HD) (10'6")	M2.55 (8'4")	R3.9 (ES) (12'10")	R3.2 (ES) (10'6")
Hydraulic Hammer	H130s H140Ds	H130s H140Ds H160Ds (pin-on)	H130s H140Ds H160Ds	H130s H140Ds H160Ds	H130s H140Ds H160Ds
Multi-Processor	MP20	MP20	MP30	MP20	MP20
Mobile Scrap and Demolition Shear	S320B S365C**	S320B S365C**	S325B	S320B S325B S365C**	S320B S325B S365C**
Compactor (Vibratory Plate)	CVP110	CVP110	CVP110	CVP110	CVP110
Contractors' Grapple					
Trash Grapple					
Thumbs					
Rippers					
Rakes					
Center-Lock Pin Grabber Coupler					
Dedicated Quick Coupler					

These work tools are available for the 336E. Consult your Cat dealer for proper match.

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

**Boom Mount

336E L Hydraulic Excavator

336E L Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	Mass Boom	Heavy Duty Boom		Extreme Service Boom	
		mm	in	m³	yd³	kg	lb	%	M2.55 (8'4")	R3.2 HD (10'6")	R3.9 HD (12'10")	R3.2 ES (10'6")	R3.9 ES (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	⊖	○
	TB	1800	71	2.69	3.52	2423	5,340	100%	○				
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	5790	4990	4360	5315	4585
								lb	12,761	10,998	9,609	11,714	10,105

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)
- X Not Recommended

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.

336E L Hydraulic Excavator

336E L Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	Mass Boom	Heavy Duty Boom		Extreme Service Boom	
		mm	in	m³	yd³	kg	lb	%	M2.55 (8'4")	R3.2 HD (10'6")	R3.9 HD (12'10")	R3.2 ES (10'6")	R3.9 ES (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	○	◇
	TB	1800	71	2.69	3.52	2423	5,340	100%	◇				
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	5232	4432	3802	4757	4027
								lb	11,531	9,768	8,379	10,484	8,875

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

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.

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.