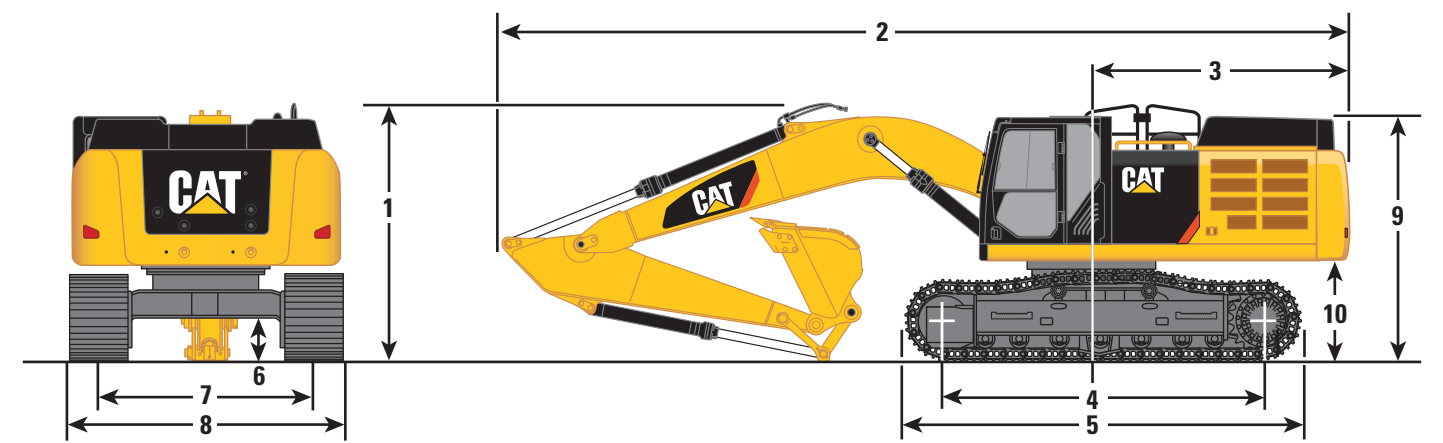


349E L Hydraulic Excavator

Dimensions – Long FIX Undercarriage

All dimensions are approximate.

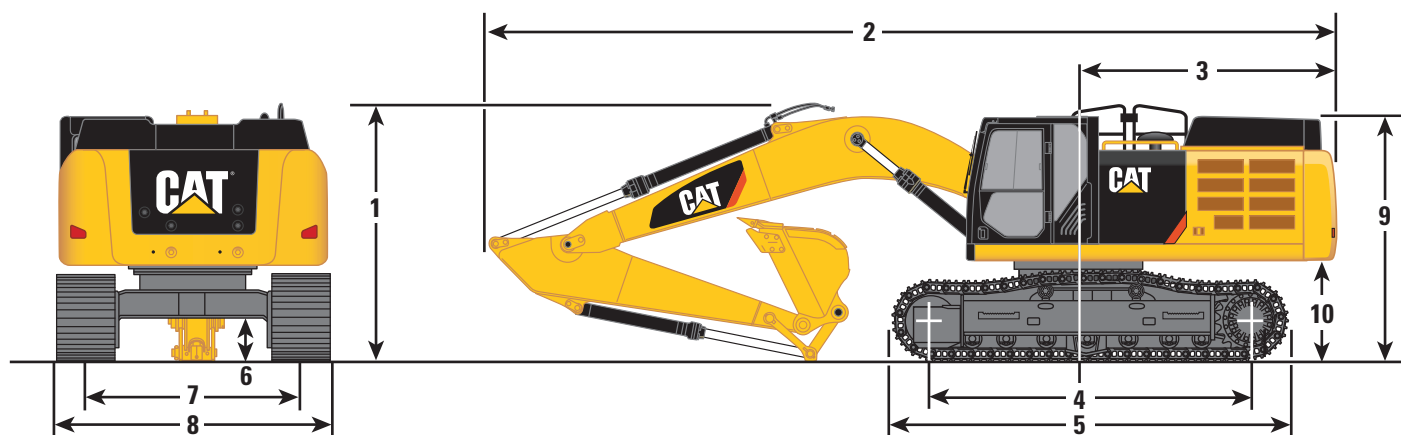


Stick	HD Reach Boom 6.9 m (22'8")		Mass Boom 6.55 m (21'6")	
	R3.9TB (12'10")	R3.35TB (11'0")	M3.0UB (9'10")	M2.5UB (8'2")
	mm (ft)	mm (ft)	mm (ft)	mm (ft)
1 Shipping Height	3670 (12'1")	3730 (12'3")	4020 (13'2")	3980 (13'1")
Shipping Height with Top Guard	3670 (12'1")	3730 (12'3")	4020 (13'2")	3980 (13'1")
2 Shipping Length	11 930 (39'2")	11 920 (39'1")	11 590 (38'0")	11 680 (38'4")
3 Tail Swing Radius	3760 (12'4")	3760 (12'4")	3760 (12'4")	3760 (12'4")
4 Length to Center of Rollers	4360 (14'4")	4360 (14'4")	4360 (14'4")	4360 (14'4")
5 Track Length	5370 (17'7")	5370 (17'7")	5370 (17'7")	5370 (17'7")
6 Ground Clearance (including Shoe Lug Height)	510 (1'8")	510 (1'8")	510 (1'8")	510 (1'8")
7 Track Gauge	2740 (9'0")	2740 (9'0")	2740 (9'0")	2740 (9'0")
8 Transport Width				
600 mm (24") Shoes	3340 (11'0")	3340 (11'0")	3340 (11'0")	3340 (11'0")
750 mm (30") Shoes	3490 (11'5")	3490 (11'5")	3490 (11'5")	3490 (11'5")
900 mm (36") Shoes	3640 (11'11")	3640 (11'11")	3640 (11'11")	3640 (11'11")
9 Cab Height	3220 (10'7")	3220 (10'7")	3220 (10'7")	3220 (10'7")
Cab Height with Top Guard	3390 (11'1")	3390 (11'1")	3390 (11'1")	3390 (11'1")
10 Counterweight Clearance	1280 (4'2")	1280 (4'2")	1280 (4'2")	1280 (4'2")

349E L Hydraulic Excavator

Dimensions – Long VG Undercarriage

All dimensions are approximate.

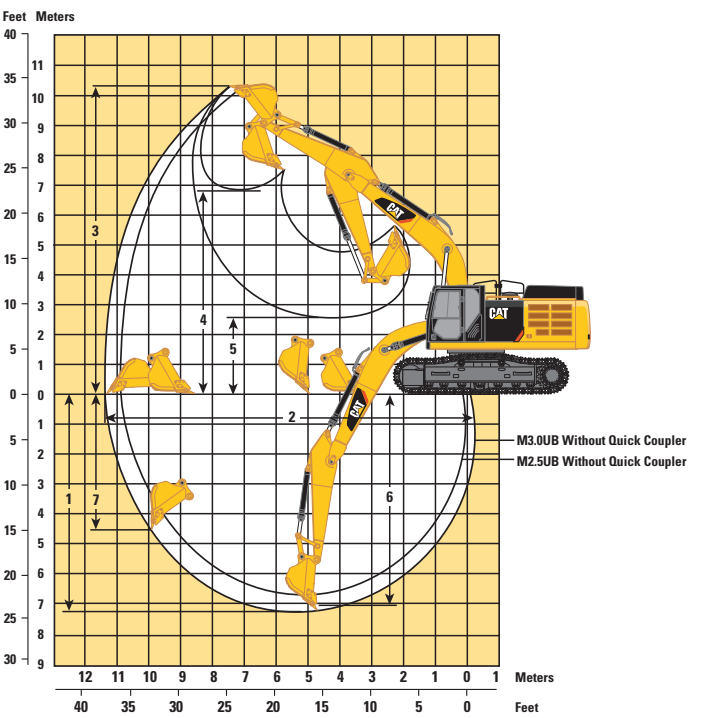
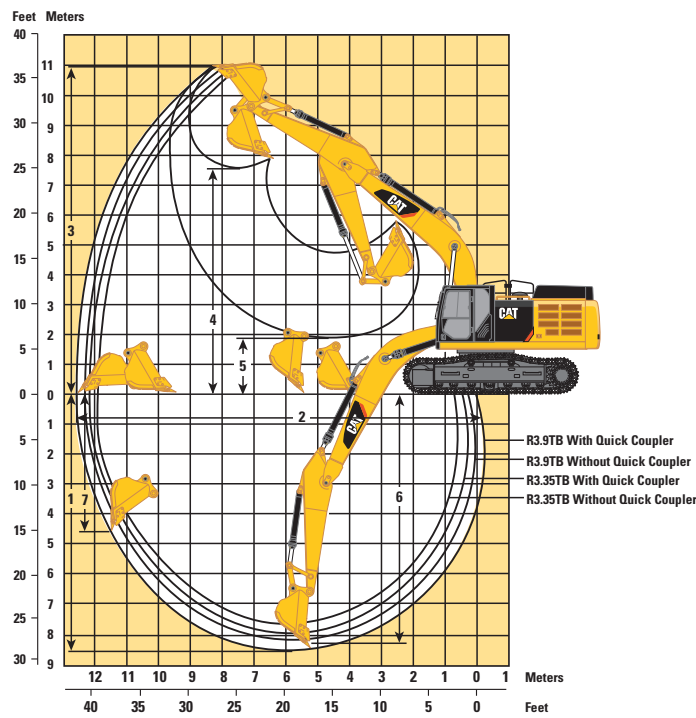


Stick	HD Reach Boom 6.9 m (22'8")		Mass Boom 6.55 m (21'6")	
	R3.9TB (12'10")	R3.35TB (11'0")	M3.0UB (9'10")	M2.5UB (8'2")
	mm (ft)	mm (ft)	mm (ft)	mm (ft)
1 Shipping Height	3650 (12'0")	3550 (11'8")	4020 (13'2")	4010 (13'2")
Shipping Height with Top Guard	3650 (12'0")	3550 (11'8")	4020 (13'2")	4010 (13'2")
2 Shipping Length	11 890 (39'0")	11 820 (38'9")	11 560 (37'11")	11 640 (38'2")
3 Tail Swing Radius	3760 (12'4")	3760 (12'4")	3760 (12'4")	3760 (12'4")
4 Length to Center of Rollers	4340 (14'3")	4340 (14'3")	4340 (14'3")	4340 (14'3")
5 Track Length	5380 (17'8")	5380 (17'8")	5380 (17'8")	5380 (17'8")
6 Ground Clearance (including Shoe Lug Height)	740 (2'5")	740 (2'5")	740 (2'5")	740 (2'5")
7 Track Gauge (Expanded)	2890 (9'6")	2890 (9'6")	2890 (9'6")	2890 (9'6")
Track Gauge (Retracted)	2390 (7'10")	2390 (7'10")	2390 (7'10")	2390 (7'10")
8 Transport Width (Expanded)				
600 mm (24") Shoes	3490 (11'5")	3490 (11'5")	3490 (11'5")	3490 (11'5")
750 mm (30") Shoes	3640 (11'11")	3640 (11'11")	3640 (11'11")	3640 (11'11")
900 mm (36") Shoes	3790 (12'5")	3790 (12'5")	3790 (12'5")	3790 (12'5")
Transport Width (Retracted)				
600 mm (24") Shoes	3000 (9'10")	3000 (9'10")	3000 (9'10")	3000 (9'10")
750 mm (30") Shoes	3140 (10'4")	3140 (10'4")	3140 (10'4")	3140 (10'4")
900 mm (36") Shoes	3290 (10'10")	3290 (10'10")	3290 (10'10")	3290 (10'10")
9 Cab Height	3370 (11'1")	3370 (11'1")	3370 (11'1")	3370 (11'1")
Cab Height with Top Guard	3540 (11'7")	3540 (11'7")	3540 (11'7")	3540 (11'7")
10 Counterweight Clearance	1430 (4'8")	1430 (4'8")	1430 (4'8")	1430 (4'8")

349E L Hydraulic Excavator

Working Ranges

All dimensions are approximate.

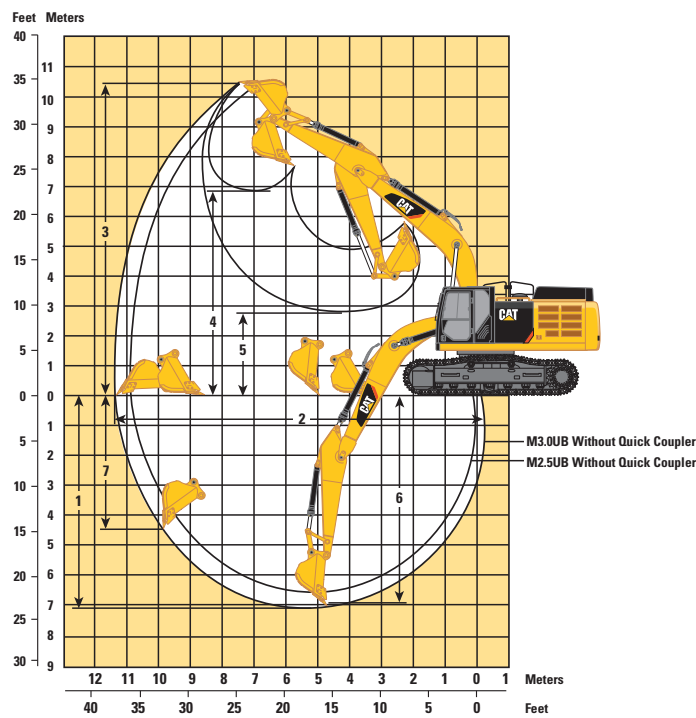
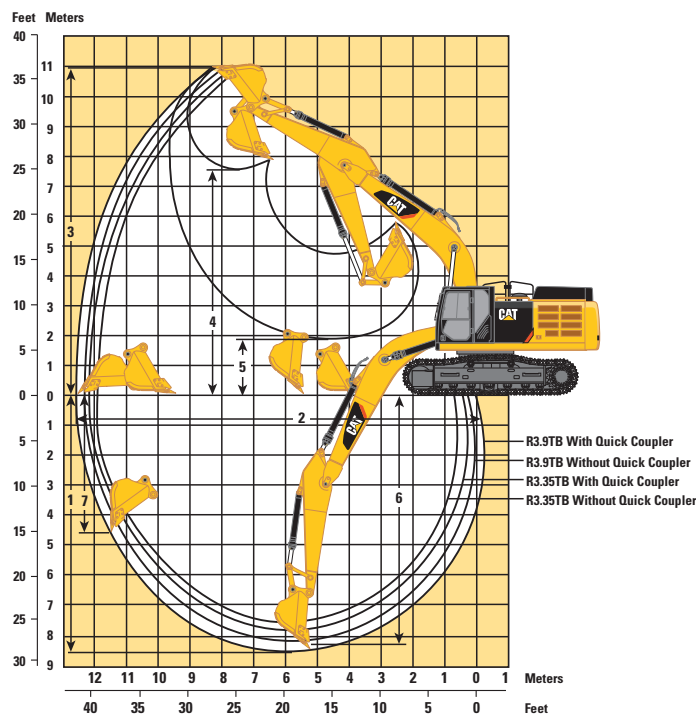


Stick	HD Reach Boom 6.9 m (22'8")		Mass Boom 6.55 m (21'6")	
	R3.9TB (12'10")	R3.35TB (11'0")	M3.0UB (9'10")	M2.5UB (8'2")
	mm (ft)	mm (ft)	mm (ft)	mm (ft)
Long FIX Undercarriage				
1 Maximum Digging Depth	8180 (26'10")	7630 (25'0")	7230 (23'9")	6730 (23'1")
2 Maximum Reach at Ground Level	12 120 (39'9")	11 710 (38'5")	11 200 (36'9")	10 740 (35'3")
3 Maximum Cutting Height	10 730 (35'2")	10 810 (35'6")	10 300 (33'10")	10 110 (33'2")
4 Maximum Loading Height	7450 (24'5")	7460 (25'6")	6820 (22'5")	6620 (21'9")
5 Minimum Loading Height	2230 (7'4")	2780 (9'1")	2650 (8'8")	3150 (10'4")
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	8050 (26'5")	7490 (24'7")	7080 (23'3")	6560 (21'6")
7 Maximum Vertical Wall Digging Depth	5890 (19'4")	5760 (18'11")	4570 (15'0")	4140 (13'7")

349E L Hydraulic Excavator

Working Ranges

All dimensions are approximate.



Stick	HD Reach Boom 6.9 m (22'8")		Mass Boom 6.55 m (21'6")	
	R3.9TB (12'10")	R3.35TB (11'0")	M3.0UB (9'10")	M2.5UB (8'2")
	mm (ft)	mm (ft)	mm (ft)	mm (ft)
Long VG Undercarriage				
1 Maximum Digging Depth	8040 (26'5")	7490 (24'7")	7140 (23'5")	6640 (21'9")
2 Maximum Reach at Ground Level	12 090 (39'8")	11 680 (38'4")	11 220 (36'10")	10 760 (35'4")
3 Maximum Cutting Height	10 780 (35'4")	10 870 (35'8")	11 440 (37'6")	10 240 (33'7")
4 Maximum Loading Height	7590 (24'11")	7610 (25'0")	6910 (22'8")	6720 (22'1")
5 Minimum Loading Height	2370 (7'9")	2920 (9'7")	2740 (9'0")	3240 (10'8")
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	7900 (25'11")	7340 (24'1")	6990 (22'11")	6740 (22'1")
7 Maximum Vertical Wall Digging Depth	5270 (18'3")	5170 (17'0")	4340 (14'3")	3910 (12'10")

349E L Hydraulic Excavator

Operating Weight and Ground Pressure

	900 mm (36") Triple Grouser Shoes		750 mm (30") Triple Grouser Shoes		600 mm (24") Double Grouser Shoes	
	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
Long FIX Undercarriage						
HD Reach Boom – 6.9 m (22'8")						
R3.9TB HD (12'10")	49 500 (109,100)	57.0 (8.3)	48 800 (107,600)	68.0 (9.9)	48 100 (106,000)	83.0 (12.0)
R3.35TB HD (11'0")	49 200 (108,500)	57.0 (8.3)	48 500 (106,900)	67.0 (9.7)	47 800 (105,400)	83.0 (12.0)
Mass Boom – 6.55 m (21'6")						
M3.0UB HD (9'10")	50 500 (111,300)	58.0 (8.4)	49 700 (109,600)	69.0 (10.0)	49 100 (108,200)	85.0 (12.3)
M2.5UB HD (8'2")	50 200 (110,700)	58.0 (8.4)	49 500 (109,100)	69.0 (10.0)	48 800 (107,600)	85.0 (12.3)
Long VG Undercarriage						
HD Reach Boom – 6.9 m (22'8")						
R3.9TB HD (12'10")	52 200 (115,100)	61.0 (8.8)	51 500 (113,500)	72.0 (10.4)	50 700 (111,800)	88.0 (12.8)
R3.35TB HD (11'0")	52 000 (114,600)	60.0 (8.7)	51 200 (112,900)	71.0 (10.3)	50 500 (111,300)	88.0 (12.8)
Mass Boom – 6.55 m (21'6")						
M3.0UB HD (9'10")	53 300 (117,500)	62.0 (9.0)	52,500 (115,700)	73.0 (10.6)	51 800 (114,200)	90.0 (13.1)
M2.5UB HD (8'2")	53 000 (116,800)	62.0 (9.0)	52,300 (115,300)	73.0 (10.6)	51 500 (113,500)	90.0 (13.1)

Major Component Weights*

	kg	lb
Base machine (with boom cylinder, without counterweight, front linkage and track)		
Long FIX Undercarriage	24 200	53,400
Long VG Undercarriage	26 800	59,100
Counterweight		
9.0 mt (9.9 t)	9000	19,800
Boom (includes lines, pins and stick cylinder)		
Reach Boom – 6.9 m (22'8")	4510	9,900
Mass Boom – 6.55 m (21'6")	4750	10,500
Stick (includes lines, pins and bucket cylinder)		
R3.9TB HD (12'10")	2750	6,100
R3.35TB HD (11'0")	2480	5,500
M3.0UB (9'10")	2930	6,500
M2.5UB (8'2")	2700	6,000
Track shoe (Long FIX/per two tracks)		
600 mm (24") double grouser	5240	11,560
750 mm (30") triple grouser	5880	12,960
900 mm (36") triple grouser	6640	14,640
Track shoe (Long VG/per two tracks)		
600 mm (24") double grouser	5300	11,680
750 mm (30") triple grouser	5940	13,100
900 mm (36") triple grouser	6700	14,780
Buckets		
TB1880GD – 3.10 m³ (4.05 yd³)	2440	5,400
TB1555EX – 1.9 m³ (2.49 yd³)	2340	5,200

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

349E L Hydraulic Excavator

Bucket and Stick Forces

	HD Reach Boom 6.9 m (22'8")		Mass Boom 6.55 m (21'6")	
Stick	R3.9TB (12'10")	R3.35TB (11'0")	M3.0UB (9'10")	M2.5UB (8'2")
	kN (lbf)	kN (lbf)	kN (lbf)	kN (lbf)
General Duty				
Bucket Digging Force (ISO)	268 (60,200)	268 (60,200)	296 (66,500)	296 (66,500)
Stick Digging Force (ISO)	184 (41,400)	201 (45,200)	212 (47,700)	241 (54,200)
Bucket Digging Force (SAE)	237 (53,300)	237 (53,300)	260 (58,500)	260 (58,500)
Stick Digging Force (SAE)	180 (40,500)	195 (43,800)	205 (46,100)	231 (51,900)
General Duty Capacity				
Bucket Digging Force (ISO)	268 (60,200)	268 (60,200)	–	–
Stick Digging Force (ISO)	183 (41,100)	199 (44,700)	–	–
Bucket Digging Force (SAE)	239 (53,700)	239 (53,700)	–	–
Stick Digging Force (SAE)	178 (40,000)	193 (43,400)	–	–
Heavy Duty				
Bucket Digging Force (ISO)	268 (60,200)	268 (60,200)	296 (66,500)	296 (66,500)
Stick Digging Force (ISO)	184 (41,400)	201 (45,200)	212 (47,700)	241 (54,200)
Bucket Digging Force (SAE)	237 (53,300)	237 (53,300)	260 (58,500)	260 (58,500)
Stick Digging Force (SAE)	180 (40,500)	195 (43,800)	205 (46,100)	231 (51,900)
Severe Duty				
Bucket Digging Force (ISO)	268 (60,200)	268 (60,200)	292 (65,600)	292 (65,600)
Stick Digging Force (ISO)	184 (41,400)	201 (45,200)	211 (47,400)	240 (54,000)
Bucket Digging Force (SAE)	237 (53,300)	237 (53,300)	255 (57,300)	255 (57,300)
Stick Digging Force (SAE)	180 (40,500)	195 (43,800)	204 (45,900)	230 (51,700)
Extreme Duty				
Bucket Digging Force (ISO)	262 (58,900)	262 (58,900)	–	–
Stick Digging Force (ISO)	183 (41,100)	199 (44,700)	–	–
Bucket Digging Force (SAE)	237 (53,300)	237 (53,300)	–	–
Stick Digging Force (SAE)	180 (40,500)	195 (43,800)	–	–

349E L Hydraulic Excavator

Bucket and Stick Forces

Stick	HD Reach Boom 6.9 m (22'8")		Mass Boom 6.55 m (21'6")	
	R3.9TB (12'10")	R3.35TB (11'0")	M3.0UB (9'10")	M2.5UB (8'2")
	kN (lbf)	kN (lbf)	kN (lbf)	kN (lbf)
For CW-55				
General Duty				
Bucket Digging Force (ISO)	220 (49,500)	220 (49,500)	–	–
Stick Digging Force (ISO)	172 (38,700)	186 (41,800)	–	–
Bucket Digging Force (SAE)	204 (45,900)	204 (45,900)	–	–
Stick Digging Force (SAE)	169 (38,000)	182 (40,900)	–	–
Heavy Duty				
Bucket Digging Force (ISO)	–	–	262 (58,900)	262 (58,900)
Stick Digging Force (ISO)	–	–	202 (45,400)	228 (51,300)
Bucket Digging Force (SAE)	–	–	237 (53,300)	237 (53,300)
Stick Digging Force (SAE)	–	–	197 (44,300)	221 (49,700)
Heavy Duty – Power				
Bucket Digging Force (ISO)	223 (50,100)	223 (50,100)	–	–
Stick Digging Force (ISO)	173 (38,900)	188 (42,300)	–	–
Bucket Digging Force (SAE)	205 (46,100)	205 (46,100)	–	–
Stick Digging Force (SAE)	170 (38,200)	184 (41,400)	–	–
Severe Duty				
Bucket Digging Force (ISO)	223 (50,100)	223 (50,100)	259 (58,200)	259 (58,200)
Stick Digging Force (ISO)	173 (38,900)	188 (42,300)	202 (45,400)	227 (51,000)
Bucket Digging Force (SAE)	205 (46,100)	205 (46,100)	234 (52,600)	234 (52,600)
Stick Digging Force (SAE)	170 (38,200)	184 (41,400)	196 (44,100)	220 (49,500)

349E L Work Tool Offering Guide*

Boom Type	Reach Boom (HD)		Mass Boom	
Stick Size	R3.9 (HD) (12'10")	R3.35 (HD) (11'0")	M3.0 (9'10")	M2.5 (8'2")
Hydraulic Hammer	H160Ds	H160Ds	H160Ds	H160Ds
	H180Ds	H180Ds	H180Ds	H180Ds
Multi-Processor	MP30	MP30	MP30	MP30
Mobile Scrap and Demolition Shear	S340B	S340B	S340B	S340B
	S365C**	S365C**	S365C**	S365C**
	S385C**	S385C**	S385C**	S385C**
Contractors' Grapple	G330	G330	G330	G330
Trash Grapple				
Thumbs				
Rippers				
Center-Lock Pin Grabber Coupler				
Dedicated Quick Coupler				

These work tools are available for the 349E.
Consult your Cat dealer for proper match.

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

**Boom Mount

349E L Hydraulic Excavator

349E L (LC-FIX) HD Reach Boom Lift Capacities – Americas



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

Boom – 6.9 m (22'8")

Counterweight – 9.0 mt (9.9 t)

Bucket – None

Stick – R3.9TB (12'10")

Shoes – 900 mm (35") triple grouser

		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														*7950 *17,650	*7950 *17,650	7.86 25.34
7.5 m 25.0 ft	kg lb														*7600 *16,800	*7600 *16,800	8.96 29.16
6.0 m 20.0 ft	kg lb																
4.5 m 15.0 ft	kg lb																
3.0 m 10.0 ft	kg lb																
1.5 m 5.0 ft	kg lb																
Ground Line	kg lb																
-1.5 m -5.0 ft	kg lb																
-3.0 m -10.0 ft	kg lb																
-4.5 m -15.0 ft	kg lb																
-6.0 m -20.0 ft	kg lb																

Boom – 6.9 m (22'8")

Counterweight – 9.0 mt (9.9 t)

Bucket – None

Stick – R3.35TB (11'0")

Shoes – 900 mm (35") triple grouser

		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				
																
9.0 m 30.0 ft	kg lb													*9050 *20,150	*9050 *20,150	7.30 23.48
7.5 m 25.0 ft	kg lb									*12 100 *26,600	11 400 24,450			*8550 *18,850	*8550 *18,850	8.48 27.57
6.0 m 20.0 ft	kg lb									*12 700 *27,650	11 200 24,050	*10 800 *20,350	8350 17,850	*8400 *18,450	7900 17,550	9.27 30.28
4.5 m 15.0 ft	kg lb					*21 000 *45,000	*21 000 *45,000	*16 200 *35,050	15 050 32,500	*13 800 *29,950	10 800 23,250	*12 450 *27,100	8150 17,550	*8500 *18,700	7150 15,800	9.76 31.97
3.0 m 10.0 ft	kg lb					*26 050 *56,000	21 450 46,300	*18 650 *40,250	14 250 30,700	*15 100 *32,700	10 350 22,350	12 550 26,950	7950 17,100	*8850 *19,450	6750 14,900	10.01 32.81
1.5 m 5.0 ft	kg lb					*18 650 *44,600	*18 650 43,650	*20 550 *44,450	13 550 29,200	16 100 34,700	9950 21,500	12 300 26,450	7750 16,650	*9450 *20,800	6600 14,550	10.02 32.87
Ground Line	kg lb					*21 000 *48,750	19 850 42,700	*21 450 *46,450	13 150 28,300	15 800 34,000	9700 20,900	12 100 26,050	7550 16,300	*10 450 *23,050	6750 14,800	9.80 32.14
-1.5 m -5.0 ft	kg lb			*14 950 *33,750	*14 950 *33,750	*28 100 *61,000	19 800 42,550	*21 250 *46,050	12 950 27,900	15 650 33,650	9550 20,600	12 050 25,950	7500 16,150	11 450 25,300	7150 15,800	9.33 30.56
-3.0 m -10.0 ft	kg lb			*23 900 *53,950	*23 900 *53,950	*25 750 *55,800	19 950 42,900	*19 950 *43,100	13 000 28,000	15 650 33,700	9550 20,650			13 000 *28,650	8050 17,850	8.57 28.01
-4.5 m -15.0 ft	kg lb			*27 850 *60,100	*27 850 *60,100	*21 750 *46,800	20 350 43,750	*17 000 *36,400	13 250 28,550					*12 800 *28,150	9950 22,200	7.43 24.14

*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.

349E L Hydraulic Excavator

349E L (LC-VG) HD Reach Boom Lift Capacities – Americas



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

Boom – 6.9 m (22'8")

Counterweight – 9.0 mt (9.9 t)

Bucket – None

Stick – R3.9TB (12'10")

Shoes – 900 mm (35") triple grouser

		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													*7900 *17,550	*7900 *17,550	7.98 25.78
7.5 m 25.0 ft	kg lb											*7950	*7950	*7600 *16,750	*7600 *16,750	9.05 29.46
6.0 m 20.0 ft	kg lb									*11 950 *26,050	*11 950 *26,050	*11 300 *23,800	9300 20,000	*7550 *16,600	*7550 *16,600	9.77 31.93
4.5 m 15.0 ft	kg lb							*15 350 *33,100	*15 350 *33,100	*13 150 *28,550	12 000 25,850	*11 900 *25,900	9100 19,550	*7700 *16,900	7400 16,400	10.22 33.47
3.0 m 10.0 ft	kg lb					*24 600 *52,850	24 350 52,450	*17 850 *38,600	15 900 34,300	*14 550 *31,550	11 500 24,850	*12 650 *27,450	8850 19,000	*8050 *17,700	7050 15,550	10.43 34.20
1.5 m 5.0 ft	kg lb					*25 100 *59,550	22 900 49,350	*20 000 *43,200	15 150 32,600	*15 800 *34,250	11 100 23,900	12 800 27,550	8550 18,450	*8650 *19,050	6950 15,250	10.42 34.18
Ground Line	kg lb			*9700 *22,000	*9700 *22,000	*24 100 *55,700	22 300 47,900	*21 150 *45,850	14 650 31,500	16 400 35,350	10 750 23,150	12 600 27,100	8350 18,050	*9600 *21,200	7050 15,550	10.18 33.40
-1.5 m -5.0 ft	kg lb			*16 000 *36,000	*16 000 *36,000	*28 550 *61,900	22 100 47,500	*21 300 *46,100	14 400 31,000	16 200 34,900	10 550 22,750	12 450 26,850	8250 17,800	*11 150 *24,650	7500 16,500	9.71 31.82
-3.0 m -10.0 ft	kg lb			*23 150 *52,250	*23 150 *52,250	*26 600 *57,600	22 200 47,700	*20 300 *43,900	14 350 30,950	*16 000 *34,500	10 550 22,700			12 600 27,850	8350 18,500	8.96 29.29
-4.5 m -15.0 ft	kg lb			*30 850 *66,500	*30 850 *66,500	*23 100 *49,750	22 500 48,400	*17 900 *38,400	14 550 31,350	*13 750 *29,100	10 700 23,150			*12 750 *28,100	10 100 22,550	7.84 25.52
-6.0 m -20.0 ft	kg lb					*17 050	*17 050	*12 700	*12 700					*12 150 *27,300	*12 150 *27,300	6.18 19.45

Boom – 6.9 m (22'8")

Counterweight – 9.0 mt (9.9 t)

Bucket – None

Stick – R3.35TB (11'0")

Shoes – 900 mm (35") triple grouser

		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													*9000 *19,950	*9000 *19,950	7.44 23.95
7.5 m 25.0 ft	kg lb									*12 150 *26,650	*12 150 *26,650			*8500 *18,800	*8500 *18,800	8.57 27.88
6.0 m 20.0 ft	kg lb									*12 800 *27,850	12 250 26,400	*11 250 *21,650	9200 19,700	*8400 *18,450	*8400 *18,450	9.33 30.48
4.5 m 15.0 ft	kg lb					*21 500 *46,100	*21 500 *46,100	*16 450 *35,550	*16 450 *35,550	*13 900 *30,200	11 900 25,600	*12 500 *27,200	9000 19,400	*8500 *18,750	7900 17,400	9.80 32.09
3.0 m 10.0 ft	kg lb					*26 500 *56,850	23 800 51,350	*18 850 *40,700	15 700 33,900	*15 200 *32,950	11 450 24,650	13 050 28,050	8800 18,900	*8900 *19,550	7500 16,450	10.02 32.85
1.5 m 5.0 ft	kg lb					*18 550 *44,150	*18 550 *44,150	*20 700 *44,700	15 050 32,400	*16 300 *35,300	11 050 23,800	12 800 27,500	8550 18,450	*9550 *21,000	7350 16,200	10.01 32.83
Ground Line	kg lb					*21 550 *49,900	*21 550 48,000	*21 500 *46,500	14 650 31,550	16 450 35,350	10 750 23,200	12 600 27,150	8400 18,100	*10 600 *23,350	7550 16,600	9.76 32.02
-1.5 m -5.0 ft	kg lb			*15 800 *35,600	*15 800 *35,600	*27 900 *60,600	22 300 47,900	*21 200 *45,900	14 500 31,200	16 300 35,050	10 650 22,950	12 550 27,050	8350 18,050	12 050 26,650	8050 17,750	9.27 30.36
-3.0 m -10.0 ft	kg lb			*24 850 *56,150	*24 850 *56,150	*25 450 *55,100	22 450 48,300	*19 750 *42,650	14 550 31,300	*15 500 *33,350	10 700 23,050			*13 000 *28,650	9150 20,200	8.47 27.70
-4.5 m -15.0 ft	kg lb			*27 100 *58,450	*27 100 *58,450	*21 250 *45,700	*21 250 *45,700	*16 600 *35,450	14 800 31,900					*12 750 *28,000	11 400 25,400	7.29 23.68

*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.

349E L Hydraulic Excavator

349E L (LC-FIX) Mass Boom Lift Capacities – Americas



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

Boom – 6.55 m (21'6")

Counterweight – 9.0 mt (9.9 t)

Bucket – None

Stick – M3.0UB (9'10")

Shoes – 900 mm (35") triple grouser

		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															
7.5 m 25.0 ft	kg lb									*11 550 28,350	10 900 23,100			*10 000 22,050	*10 000 22,050	7.67 24.87
6.0 m 20.0 ft	kg lb									*13 000 28,350	10 750 23,100			*9700 21,400	8600 19,150	8.53 27.85
4.5 m 15.0 ft	kg lb					*20 900 44,800	*20 900 44,800	*16 200 35,050	14 650 31,600	*13 850 30,150	10 400 22,350	*10 750 7700		*9800 21,600	7600 16,850	9.07 29.69
3.0 m 10.0 ft	kg lb					*25 650 55,100	20 900 45,150	*18 450 39,850	13 800 29,750	*15 000 32,500	9950 21,400	12 150 26,050	7500 16,150	*10 250 22,500	7100 15,650	9.33 30.59
1.5 m 5.0 ft	kg lb					*22 900 55,050	19 700 42,400	*20 200 43,650	13 050 28,150	15 700 33,800	9550 20,550	11 900 25,600	7300 15,750	*11 050 24,250	6900 15,250	9.34 30.65
Ground Line	kg lb					*25 950 60,500	19 250 41,350	*20 900 45,300	12 650 27,200	15 400 33,100	9250 19,950	11 750 7200		11 550 25,450	7050 15,550	9.10 29.86
-1.5 m -5.0 ft	kg lb			*17 850 40,400	*17 850 40,400	*27 100 58,800	19 200 41,250	*20 500 44,400	12 450 26,850	15 250 32,800	9150 19,700			12 550 27,650	7600 16,800	8.59 28.16
-3.0 m -10.0 ft	kg lb			*29 400 66,650	*29 400 66,650	*24 300 52,550	19 400 41,700	*18 700 40,400	12 550 27,050	*14 300 30,450	9250 19,950			*13 450 29,650	8850 19,600	7.76 25.35
-4.5 m -15.0 ft	kg lb					*19 300 41,300	*19 300 41,300	*14 600 30,750	12 950 27,950					*12 900 28,300	11 700 26,200	6.48 20.99

Boom – 6.55 m (21'6")

Counterweight – 9.0 mt (9.9 t)

Bucket – None

Stick – M2.5UB (8'2")

Shoes – 900 mm (35") triple grouser

		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			
													m ft
9.0 m 30.0 ft	kg lb												
7.5 m 25.0 ft	kg lb										*13 050 *28,900	11 800 26,600	7.10 22.99
6.0 m 20.0 ft	kg lb							*15 350 *33,300	15 300 32,900	*13 850 *30,350	10 700 22,950	*12 700 *27,950	9500 21,150 8.03 26.19
4.5 m 15.0 ft	kg lb					*22 750 *48,800	22 400 48,450	*17 250 *37,250	14 550 31,350	*14 600 *31,800	10 350 22,300	*12 850 *28,250	8350 18,400 8.60 28.14
3.0 m 10.0 ft	kg lb					*58,350	44,300	*19 300 *41,750	13 700 29,550	*15 600 *33,850	9950 21,450	12 450 27,400	7750 17,050 8.87 29.09
1.5 m 5.0 ft	kg lb							*20 800 *44,950	13 100 28,200	15 750 33,900	9600 20,700	12 200 26,900	7550 16,600 8.88 29.15
Ground Line	kg lb					*23 950 *56,350	19 450 41,800	*21 150 *45,800	12 750 27,450	15 500 33,350	9350 20,200	12 600 27,800	7750 17,050 8.63 28.33
-1.5 m -5.0 ft	kg lb			*18 050 *41,150	*18 050 *41,150	*26 250 *57,050	19 500 41,900	*20 300 *43,950	12 650 27,300	15 450 33,250	9300 20,100	13 850 30,550	8450 18,650 8.10 26.52
-3.0 m -10.0 ft	kg lb			*28 000 *61,000	*28 000 *61,000	*22 900 *49,600	19 800 42,550	*17 900 *38,600	12 850 27,650			*14 100 *31,000	10 050 22,250 7.20 23.52
-4.5 m -15.0 ft	kg lb					*16 950 *36,050	*16 950 *36,050					*12 900 *28,100	*12 900 *28,100 5.79 18.72

*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.

349E L Hydraulic Excavator

349E L (LC-FIX) Mass Boom Lift Capacities – Americas



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

Boom – 6.55 m (21'6")

Counterweight – 9.0 mt (9.9 t)

Bucket – None

Stick – M3.0UB (9'10")

Shoes – 600 mm (24") double grouser

		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															
7.5 m 25.0 ft	kg lb									*11 550	10 650			*10 000 *22,050	*10 000 *22,050	7.67 24.87
6.0 m 20.0 ft	kg lb									*13 000 *28,350	10 500 22,550			*9700 *21,400	8400 18,650	8.53 27.85
4.5 m 15.0 ft	kg lb					*20 900 *44,800	*20 900 *44,800	*16 200 *35,050	14 350 30,900	*13 850 *30,150	10 150 21,800	*10 750	7500	*9800 *21,600	7400 16,400	9.07 29.69
3.0 m 10.0 ft	kg lb					*25 650 *55,100	20 400 44,050	*18 450 *39,850	13 450 29,000	*15 000 *32,500	9700 20,850	11 800 25,350	7300 15,700	*10 250 *22,500	6900 15,200	9.33 30.59
1.5 m 5.0 ft	kg lb					*22 900 *55,050	19 150 41,300	*20 200 *43,650	12 700 27,450	15 300 32,850	9300 20,000	11 550 24,850	7100 15,300	10 950 24,050	6750 14,800	9.34 30.65
Ground Line	kg lb					*25 950 *60,500	18 750 40,250	*20 900 *45,300	12 300 26,450	14 950 32,150	9000 19,350	11 400	7000	11 250 24,750	6850 15,100	9.10 29.86
-1.5 m -5.0 ft	kg lb			*17 850 *40,400	*17 850 *40,400	*27 100 *58,800	18 700 40,150	*20 500 *44,400	12 150 26,100	14 800 31,900	8900 19,150			12 150 26,850	7400 16,350	8.59 28.16
-3.0 m -10.0 ft	kg lb			*29 400 *66,650	*29 400 *66,650	*24 300 *52,550	18 900 40,600	*18 700 *40,400	12 200 26,300	*14 300 *30,450	9000 19,400			*13 450 *29,650	8600 19,050	7.76 25.35
-4.5 m -15.0 ft	kg lb					*19 300 *41,300	*19 300 *41,300	*14 600 *30,750	12 600 27,250					*12 900 *28,300	11 350 25,550	6.48 20.99

Boom – 6.55 m (21'6")

Counterweight – 9.0 mt (9.9 t)

Bucket – None

Stick – M2.5UB (8'2")

Shoes – 600 mm (24") double grouser

		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				
														m ft
9.0 m 30.0 ft	kg lb													
7.5 m 25.0 ft	kg lb											*13 050 *28,900	11 550 26,000	7.10 22.99
6.0 m 20.0 ft	kg lb							*15 350 *33,300	14 950 32,150	*13 850 *30,350	10 400 22,350	*12 700 *27,950	9250 20,600	8.03 26.19
4.5 m 15.0 ft	kg lb					*22 750 *48,800	21 900 47,300	*17 250 *37,250	14 200 30,600	*14 600 *31,800	10 100 21,750	*12 850 *28,250	8100 17,950	8.60 28.14
3.0 m 10.0 ft	kg lb					*58,350	43,200	*19 300 *41,750	13 350 28,850	*15 600 33,800	9700 20,900	12 100 26,650	7500 16,600	8.87 29.09
1.5 m 5.0 ft	kg lb							*20 800 *44,950	12 750 27,450	15 300 32,950	9350 20,150	11 900 26,150	7350 16,150	8.88 29.15
Ground Line	kg lb					*23 950 *56,350	18 950 40,650	*21 150 45,700	12 400 26,700	15 050 32,400	9100 19,650	12 250 27,000	7550 16,600	8.63 28.33
-1.5 m -5.0 ft	kg lb			*18 050 *41,150	*18 050 *41,150	*26 250 *57,050	19 000 40,800	*20 300 *43,950	12 300 26,550	15 000 32,300	9050 19,550	13 450 29,700	8200 18,100	8.10 26.52
-3.0 m -10.0 ft	kg lb			*28 000 *61,000	*28 000 *61,000	*22 900 *49,600	19 300 41,450	*17 900 *38,600	12 500 26,900			*14 100 *31,000	9750 21,650	7.20 23.52
-4.5 m -15.0 ft	kg lb					*16 950 *36,050	*16 950 *36,050					*12 900 *28,100	*12 900 *28,100	5.79 18.72

*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.

349E L Hydraulic Excavator

349E L Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	Mass Boom		Reach Boom (HD)	
		mm	in	m³	yd³	kg	lb	%	M2.5 (8'2")	M3.0 (9'10")	R3.35 HD (11'0")	R3.9 HD (12'10")
Without Quick Coupler												
General Duty (GDC)	TB	750	30	0.95	1.24	1311	2,889	100%			●	●
	TB	900	36	1.23	1.60	1441	3,176	100%			●	●
	TB	1050	42	1.51	1.98	1525	3,361	100%			●	●
	TB	1200	48	1.80	2.36	1676	3,694	100%			●	●
	TB	1350	54	2.10	2.74	1792	3,950	100%			●	●
	TB	1500	60	2.39	3.13	1943	4,282	100%			●	⊙
	TB	1700	68	2.78	3.64	2128	4,690	100%			⊖	⊖
	TB	1850	74	3.08	4.04	2254	4,968	100%			⊖	○
General Duty XL (GDXL)	TB	2043	80	3.82	5.00	2373	5,230	100%			○	◇
Heavy Duty (HD)	TB	900	36	1.08	1.41	1594	3,513	100%			●	●
	TB	1050	42	1.34	1.75	1684	3,712	100%			●	●
	TB	1200	48	1.60	2.09	1834	4,043	100%			●	●
	TB	1350	54	1.87	2.44	1974	4,350	100%			●	●
	TB	1500	60	2.14	2.80	2125	4,684	100%			●	⊙
	TB	1650	66	2.41	3.15	2286	5,039	100%			⊙	⊖
	TB	1800	71	2.69	3.52	2423	5,340	100%			⊖	○
	UB	1650	65	2.77	3.62	2581	5,689	100%	⊙	⊖		
	UB	1850	73	3.19	4.16	2741	6,041	100%	⊖	○		
	UB	1950	77	3.43	4.48	2898	6,387	100%	⊖	○		
Severe Duty (SD)	TB	760	30	0.88	1.15	1446	3,187	90%			●	●
	TB	900	36	1.08	1.41	1677	3,696	90%			●	●
	TB	1050	42	1.34	1.75	1779	3,921	90%			●	●
	TB	1200	48	1.60	2.09	1952	4,302	90%			●	●
	TB	1400	55	1.87	2.44	2180	4,805	90%			●	●
	TB	1550	61	2.14	2.80	2381	5,248	90%			●	⊙
	TB	1700	67	2.41	3.16	2524	5,563	90%			⊙	⊖
	TB	1850	74	2.69	3.52	2726	6,008	90%			⊖	⊖
	UB	1450	58	2.39	3.13	2540	5,598	90%	●	●		
	UB	1850	73	3.21	4.20	2987	6,583	90%	⊙	⊖		
Extreme Duty (XD)	TB	1250	49	1.60	2.09	2224	4,902	90%			●	●
	TB	1400	55	1.87	2.44	2366	5,215	90%			●	●
Maximum load pin-on (payload + bucket)								kg	7995	7200	6730	6210
								lb	17,621	15,869	14,833	13,687

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.

349E L Hydraulic Excavator

349E L Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	Mass Boom		Reach Boom (HD)	
		mm	in	m³	yd³	kg	lb	%	M2.5 (8'2")	M3.0 (9'10")	R3.35 HD (11'0")	R3.9 HD (12'10")
With Center-Lock Quick Coupler												
General Duty (GDC)	TB	750	30	0.95	1.24	1311	2,889	100%			●	●
	TB	900	36	1.23	1.60	1441	3,176	100%			●	●
	TB	1050	42	1.51	1.98	1525	3,361	100%			●	●
	TB	1200	48	1.80	2.36	1676	3,694	100%			●	●
	TB	1350	54	2.10	2.74	1792	3,950	100%			⊙	⊖
	TB	1500	60	2.39	3.13	1943	4,282	100%			⊖	⊖
	TB	1700	68	2.78	3.64	2128	4,690	100%			○	○
	TB	1850	74	3.08	4.04	2254	4,968	100%			○	◇
General Duty XL (GDXL)	TB	2043	80	3.82	5.00	2373	5,230	100%			◇	X
Heavy Duty (HD)	TB	900	36	1.08	1.41	1594	3,513	100%			●	●
	TB	1050	42	1.34	1.75	1684	3,712	100%			●	●
	TB	1200	48	1.60	2.09	1834	4,043	100%			●	●
	TB	1350	54	1.87	2.44	1974	4,350	100%			●	⊙
	TB	1500	60	2.14	2.80	2125	4,684	100%			⊙	⊖
	TB	1650	66	2.41	3.15	2286	5,039	100%			⊖	○
	TB	1800	71	2.69	3.52	2423	5,340	100%			○	◇
Severe Duty (SD)	TB	760	30	0.88	1.15	1446	3,187	90%			●	●
	TB	900	36	1.08	1.41	1677	3,696	90%			●	●
	TB	1050	42	1.34	1.75	1779	3,921	90%			●	●
	TB	1200	48	1.60	2.09	1952	4,302	90%			●	●
	TB	1400	55	1.87	2.44	2180	4,805	90%			●	⊙
	TB	1550	61	2.14	2.80	2381	5,248	90%			⊙	⊖
	TB	1700	67	2.41	3.16	2524	5,563	90%			⊖	○
	TB	1850	74	2.69	3.52	2726	6,008	90%			○	◇
Extreme Duty (XD)	TB	1250	49	1.60	2.09	2224	4,902	90%			●	●
	TB	1400	55	1.87	2.44	2366	5,215	90%			●	⊙
Maximum load with coupler (payload + bucket)								kg			5897	5377
								lb			12,997	11,851

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.