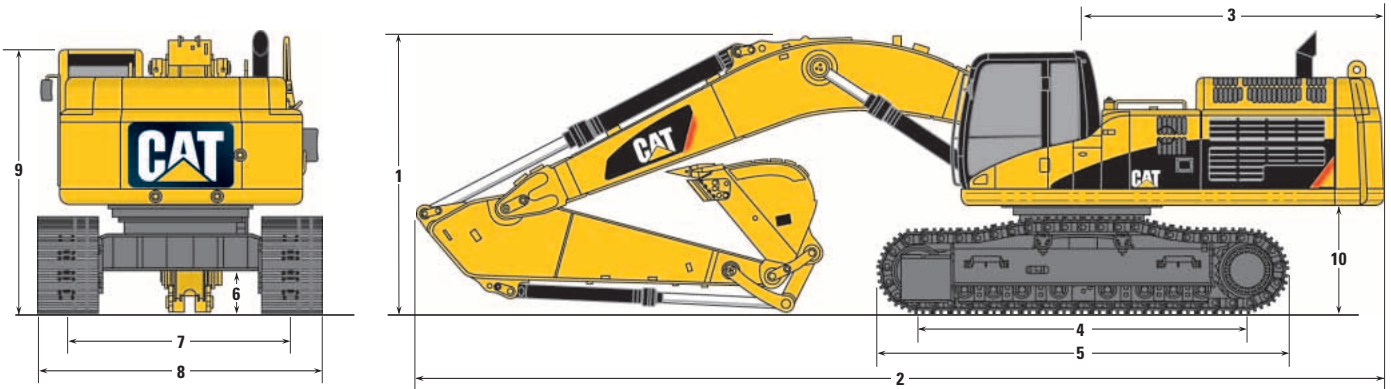


345D L Hydraulic Excavator

Dimensions

All dimensions are approximate.



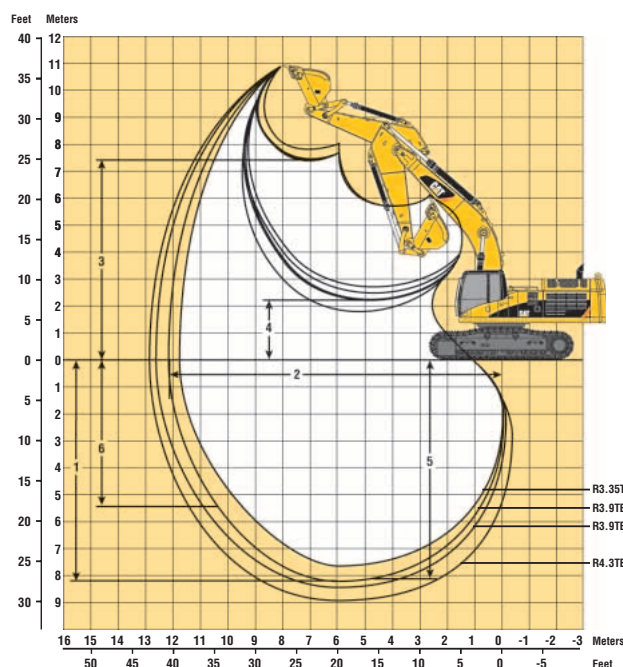
Boom	Long Reach Boom 7.4 m (24'3")		HD Reach Boom 6.9 m (22'8")		Mass Boom 6.55 m (21'6")		
Stick	R4.3TB (14'1")	R3.9TB (12'10")	R3.9TB (12'10")	R3.35TB (11'0")	M3.0UB (9'10")	M2.5UB (8'2")	
1 Shipping Height							
Fixed Gauge Undercarriage	3680 mm (12'1")	3570 mm (11'8")	3660 mm (12'0")	3690 mm (12'1")	4020 mm (13'2")	3960 mm (13'0")	
Variable Gauge Undercarriage	3630 mm (11'11")	3550 mm (11'7")	3640 mm (11'11")	3720 mm (12'2")	4050 mm (13'3")	4000 mm (13'2")	
2 Shipping Length							
Fixed Gauge Undercarriage	12 450 mm (40'10")	12 430 mm (40'9")	11 950 mm (39'2")	11 940 mm (39'2")	11 640 mm (38'2")	11 710 mm (38'5")	
Variable Gauge Undercarriage	12 400 mm (40'8")	12 370 mm (40'7")	11 910 mm (39'1")	11 910 mm (39'1")	11 620 mm (38'1")	11 680 mm (38'4")	
3 Tail Swing Radius							
	3770 mm (12'4")	3770 mm (12'4")	3770 mm (12'4")	3770 mm (12'4")	3770 mm (12'4")	3770 mm (12'4")	
Undercarriage			Fixed Gauge		Variable Gauge		Wide Variable Gauge
4 Length to Center of Rollers			4360 mm (14'4")		4340 mm (14'3")		4340 mm (14'3")
5 Track Length			5360 mm (17'7")		5340 mm (17'6")		5340 mm (17'6")
6 Ground Clearance			510 mm (1'8")		740 mm (2'5")		740 mm (2'5")
7 Track Gauge							
Retracted (Transport) Position			2740 mm (9'0")		2640 mm (8'8")		2760 mm (9'1")
Extended (Working) Position			2740 mm (9'0")		2890 mm (9'6")		3240 mm (10'8")
8 Track Width*							
Retracted (Transport) Position			3640 mm (11'11")		3540 mm (11'7")		3660 mm (12'0")
Extended (Working) Position			3640 mm (11'11")		3790 mm (12'5")		4140 mm (13'7")
9 Cab Height			3210 mm (10'6")		3360 mm (11'0")		3360 mm (11'0")
10 Counterweight Height (to bottom)			1320 mm (4'4")		1470 mm (4'10")		1470 mm (4'10")

* Track width shown is for 900 mm (36") track shoes. Subtract 150 mm (6") for 750 mm (30") track shoes.

345D L Hydraulic Excavator

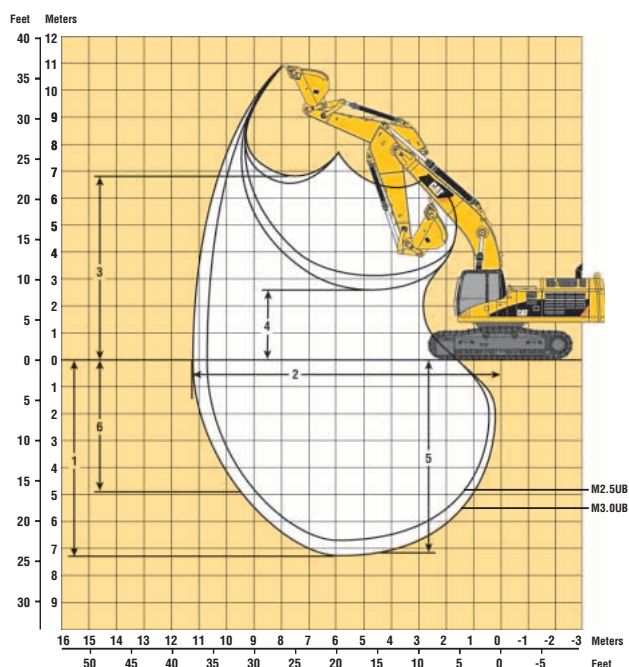
HD Reach Working Ranges

Heavy Duty (HD) Reach boom configuration



Mass Working Ranges

Mass (M) boom configuration



345D L Working Ranges – Long Fixed Gauge Undercarriage

Stick	Long Reach Boom		HD Reach Boom		Mass Excavation Boom	
	R4.3TB (14'1")	R3.9TB (12'10")	R3.9TB (12'10")	R3.35TB (11'0")	M3.0UB (9'10")	M2.5UB (8'2")
Bucket	GP-C 1.8 m ³ GP-C 2.36 yd ³	GP-C 1.8 m ³ GP-C 2.36 yd ³	GP-C 1.8 m ³ GP-C 2.36 yd ³	GP-C 1.8 m ³ GP-C 2.36 yd ³	HD 3.11 m ³ HD 4.07 yd ³	HD 3.11 m ³ HD 4.07 yd ³
1 Maximum Digging Depth	8920 mm (29'3")	8520 mm (27'11")	8200 mm (26'11")	7650 mm (25'1")	7200 mm (23'7")	6700 mm (22'0")
2 Maximum Reach at Ground Level	12 940 mm (42'5")	12 580 mm (41'3")	12 120 mm (39'9")	11 710 mm (38'5")	11 160 mm (36'7")	10 700 mm (35'1")
3 Maximum Loading Height	7870 mm (25'10")	7750 mm (25'5")	7410 mm (24'4")	7420 mm (24'4")	6830 mm (22'5")	6640 mm (21'9")
4 Minimum Loading Height	2240 mm (7'4")	2640 mm (8'8")	2200 mm (7'3")	2750 mm (9'0")	2670 mm (8'10")	3170 mm (10'5")
5 Maximum Depth Cut for 2440 mm (8') Level Bottom	8790 mm (28'10")	8380 mm (27'6")	8070 mm (26'6")	7500 mm (24'7")	7050 mm (23'1")	6530 mm (21'5")
6 Maximum Vertical Wall Digging Depth	5860 mm (19'3")	5330 mm (17'6")	5300 mm (17'4")	5210 mm (17'1")	4660 mm (15'3")	4220 mm (13'10")

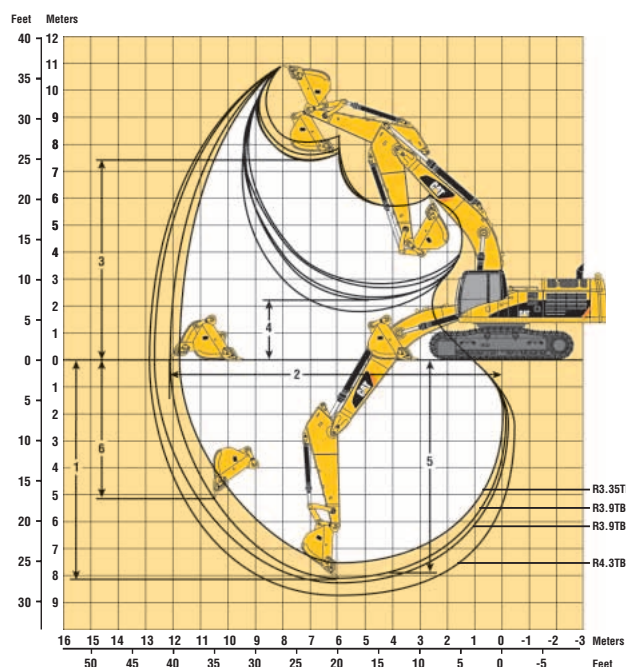
345D L Working Ranges with Pin Grabber Coupler – Long Fixed Gauge Undercarriage

Stick	HD Reach Boom
	R3.35TB (11'0")
Bucket with UB-Family Coupler	GP-C 1.8 m ³ GP-C 2.36 yd ³
1 Maximum Digging Depth	8010 mm (26'4")
2 Maximum Reach at Ground Level	12 070 mm (39'7")
3 Maximum Loading Height	7060 mm (23'1")
4 Minimum Loading Height	2400 mm (7'11")
5 Maximum Depth Cut for 2440 mm (8') Level Bottom	7870 mm (25'10")
6 Maximum Vertical Wall Digging Depth	4010 mm (13'2")

345D L Hydraulic Excavator

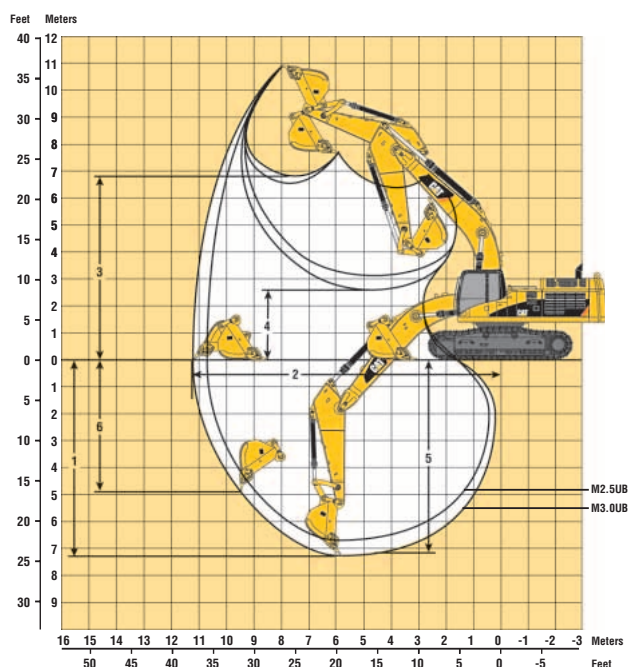
HD Reach Working Ranges

Heavy Duty (HD) Reach boom configuration



Mass Working Ranges

Mass (M) boom configuration



345D L Working Ranges – Long Variable Gauge Undercarriage

Stick	Long Reach Boom		HD Reach Boom		Mass Excavation Boom	
	R4.3TB (14'1")	R3.9TB (12'10")	R3.9TB (12'10")	R3.35TB (11'0")	M3.0UB (9'10")	M2.5UB (8'2")
Bucket	GP-C 1.8 m³ GP-C 2.36 yd³	GP-C 1.8 m³ GP-C 2.36 yd³	GP-C 1.8 m³ GP-C 2.36 yd³	GP-C 1.8 m³ GP-C 2.36 yd³	HD 3.11 m³ HD 4.07 yd³	HD 3.11 m³ HD 4.07 yd³
1 Maximum Digging Depth	8770 mm (28'9")	8370 mm (27'6")	8050 mm (26'5")	7500 mm (24'7")	7200 mm (23'8")	6700 mm (22'0")
2 Maximum Reach at Ground Level	12 910 mm (42'4")	12 550 mm (41'2")	12 100 mm (39'8")	11 680 mm (38'4")	11 160 mm (36'7")	10 700 mm (35'2")
3 Maximum Loading Height	8010 mm (26'4")	7890 mm (25'11")	7550 mm (24'9")	7570 mm (24'10")	6830 mm (22'5")	6640 mm (21'9")
4 Minimum Loading Height	2380 mm (7'10")	2780 mm (9'1")	2350 mm (7'9")	2900 mm (9'6")	2670 mm (8'9")	3170 mm (10'5")
5 Maximum Depth Cut for 2440 mm (8') Level Bottom	8650 mm (28'4")	8230 mm (27'0")	7920 mm (26'0")	7360 mm (24'2")	7050 mm (23'1")	6530 mm (21'5")
6 Maximum Vertical Wall Digging Depth	5720 mm (18'9")	5190 mm (17'0")	5160 mm (16'11")	5070 mm (16'7")	4660 mm (15'3")	4220 mm (13'10")

345D L Working Ranges with Pin Grabber Coupler – Long Variable Gauge Undercarriage

Stick	HD Reach Boom
	R3.35TB (11'0")
Bucket with UB-Family Coupler	GP-C 1.8 m³ GP-C 2.36 yd³
1 Maximum Digging Depth	7860 mm (25'9")
2 Maximum Reach at Ground Level	12 040 mm (39'5")
3 Maximum Loading Height	7210 mm (23'8")
4 Minimum Loading Height	2540 mm (8'4")
5 Maximum Depth Cut for 2440 mm (8') Level Bottom	7730 mm (25'4")
6 Maximum Vertical Wall Digging Depth	3860 mm (12'8")

345D L Hydraulic Excavator

Operating Weight*

	kg	lb		kg	lb
Complete Machine Equipped with:			Differences for Other Buckets:		
6.9 m (22'8") HD Reach Boom,			See Bucket Specification Chart		
R3.9m (12'10") Stick,			Differences for Other Undercarriages:		
1219 mm (48") GP-C Bucket,			Long Variable Gauge Undercarriage	+2490	+5,490
Long Fixed Gauge Undercarriage			Long Wide Variable Gauge		
with 750 mm (30") TG Track Shoes,			Undercarriage	+3270	+7,215
7610 kg (16,780 lb) Counterweight			Differences for Other Track Shoes:		
without Removal Device	45 375	100,040	600 mm (24") Double Grouser (DG)	−645	−1,420
Differences for Other Booms:			900 mm (36") Triple Grouser (TG)	+660	+1,455
7.4 m (24'3") Long Reach Boom	−385	−850	Differences for Other Counterweights:		
6.55 m (21'6") Mass Excavation Boom	+10	+20	7.6 MT Counterweight with		
Differences for Other Sticks:			Removal Device	+315	+690
R4.3m (14'1") Stick with TB Bucket			8.7 MT Counterweight with		
Linkage and Bucket Cylinder	+270	+590	Removal Device	+1415	+3,115
R3.35m (11'0") Stick with TB Bucket			9.0 MT Counterweight without		
Linkage and Bucket Cylinder	−65	−145	Removal Device	+1395	+3,080
M3.0m (9'10") Stick with UB Bucket					
Linkage and Bucket Cylinder	+430	+945			
M2.5m (8'2") Stick with UB Bucket					
Linkage and Bucket Cylinder	+250	+550			

* All weights are approximate. Operating weight includes 15% full fuel tank.
Add 520 kg (1,140 lb) for full fuel tank and 75 kg (165 lb) for an average operator.

Work Tool Matching Guide

Boom Options		HD Reach Boom R6.9	
Stick Options	R3.9TB	R3.35TB	Boom Mounted
Tools:			
Contractor’s Grapple	G145B	G145B	—
Dedicated Quick Coupler	Yes	Yes	—
Hydraulic Hammer	H160D S/H180D S	H160D S/H180D S	—
Hydraulic Shear	S340	S340	S365B
Hydraulic Thumb	Yes	Yes	—
Multi-Processor	MP30	MP30	—
Pin-Grabber Quick Coupler	Yes	Yes	—
Pulverizer – Mechanical Operation	P130	P130	—
Ripper Tooth	Yes	Yes	—
Shear – Mechanical Operation	S128	S128	—
Sorting and Demolition Grapple	G330	G330	—
Trash Grapple	TG-TB	TG-TB	—

345D L Hydraulic Excavator

345D L Bucket and Stick Forces

Stick Forces						
TB-Family Buckets	Sticks					
	R4.3		R3.9		R3.35	
	kN	lb	kN	lb	kN	lb
GP-C, HD, HDR						
Stick Digging Force (ISO)	171	38,400	183	41,100	199	44,700
Stick Digging Force (SAE)	167	37,500	179	40,200	194	40,200
HD-P						
Stick Digging Force (ISO)	176	39,500	189	42,400	206	42,400
Stick Digging Force (SAE)	170	38,200	183	41,100	199	41,100
GP-C, HD, HDR with coupler						
Stick Digging Force (ISO)	161	36,100	171	38,400	186	38,400
Stick Digging Force (SAE)	157	35,200	169	37,900	181	37,900
HD-P with coupler						
Stick Digging Force (ISO)	165	37,000	176	39,500	191	39,500
Stick Digging Force (SAE)	161	36,100	172	38,600	187	38,600

UB-Family Buckets	Sticks			
	M3.0		M2.5	
	kN	lb	kN	lb
GP				
Stick Digging Force (ISO)	206	46,200	233	52,300
Stick Digging Force (SAE)	198	44,400	223	50,100
HD, HDR with coupler				
Stick Digging Force (ISO)	213	47,800	242	54,300
Stick Digging Force (SAE)	205	46,000	231	51,900

Bucket Forces				
	TB-Family Buckets		UB-Family Buckets	
	kN	lb	kN	lb
GP-C, HD, HDR				
Bucket Digging Force (ISO)	268	60,200	240	53,900
Bucket Digging Force (SAE)	238	53,500	212	47,600
HD-P				
Bucket Digging Force (ISO)	300	67,300	263	59,000
Bucket Digging Force (SAE)	258	58,000	230	51,600
GP-C, HD, HDR with coupler				
Bucket Digging Force (ISO)	219	49,200		
Bucket Digging Force (SAE)	200	44,900		
HD-P with coupler				
Bucket Digging Force (ISO)	239	53,700		
Bucket Digging Force (SAE)	217	48,700		

345D L Hydraulic Excavator

345D L Bucket Specifications and Compatibility

Fixed Gauge Undercarriage

	Capacity*		Width		Tip Radius		Weight w/o tips		Teeth Qty	HD Reach Boom Stick		Long Reach Boom Stick	
	m³	yd³	mm	in	mm	in	kg	lb		R3.9TB (12'10")	R3.35TB (11'0")	R4.3TB (14'1")	R3.9TB (12'10")
TB Buckets													
General Purpose – Capacity (GP-C)	1.0	1.32	762	30	1871	73.7	1265	2,790	3	●	●	●	●
	1.2	1.60	914	36	1871	73.7	1490	3,280	4	●	●	●	●
	1.5	1.98	1067	42	1871	73.7	1583	3,490	4	●	●	●	●
	1.8	2.35	1219	48	1871	73.7	1728	3,810	5	●	●	●	●
	2.1	2.75	1372	54	1871	73.7	1850	4,070	5	●	●	◐	●
	2.4	3.13	1524	60	1871	73.7	1930	4,250	6	◐	●	○	◐
	2.8	3.64	1727	68	1871	73.7	2182	4,810	7	○	◐	◐	◐
	3.1	4.03	1880	74	1871	73.7	2308	5,080	7	◐	○	◐	◐
Heavy Duty (HD)	1.1	1.39	914	36	1871	73.7	1549	3,410	4	●	●	●	●
	1.3	1.70	1067	42	1871	73.7	1664	3,670	4	●	●	●	●
	1.6	2.04	1219	48	1871	73.7	1806	3,980	5	●	●	●	●
	1.8	2.37	1372	54	1871	73.7	1931	4,250	5	●	●	●	●
	2.1	2.71	1524	60	1871	73.7	2080	4,580	6	●	●	○	◐
	2.4	3.14	1727	68	1871	73.7	2291	5,050	7	◐	◐	◐	○
	2.7	3.51	1880	74	1871	73.7	2397	5,280	7	○	◐	◐	◐
Heavy Duty Rock (HDR)	0.9	1.14	762	30	1871	73.7	1410	3,110	3	●	●	●	●
	1.1	1.39	914	36	1871	73.7	1644	3,620	4	●	●	●	●
	1.3	1.71	1067	42	1871	73.7	1769	3,900	4	●	●	●	●
	1.6	2.04	1219	48	1871	73.7	1923	4,240	5	●	●	●	●
	1.8	2.37	1372	54	1871	73.7	2061	4,540	5	●	●	◐	●
	2.1	2.71	1524	60	1871	73.7	2221	4,890	6	●	●	○	◐
	2.4	3.14	1676	66	1871	73.7	2451	5,400	7	◐	◐	◐	○
	2.7	3.51	1880	74	1871	73.7	2567	5,650	7	○	○	◐	◐
Heavy Duty-Power (HD-P)	1.73	2.26	1372	54	1725	67.9	1894	4,170	4	●	●	●	●

	Capacity*		Width		Tip Radius		Weight w/o tips		Teeth Qty	Mass Boom Stick	
	m³	yd³	mm	in	mm	in	kg	lb		M3.0UB (9'10")	M2.5UB (8'2")
UB Buckets											
General Purpose (GP)	3.5	4.54	1981	78	2047	80.6	2762	6,080	6	◐	○
Heavy Duty (HD)	3.1	4.07	1981	78	1880	74.0	2675	5,890	6	○	◑
Heavy Duty Rock (HDR)	2.4	3.17	1524	60	2093	82.4	2544	5,600	4	●	●
	3.1	4.07	1930.4	76	2147	84.5	3013	6,640	6	○	○

Assumptions for maximum material density rating

1. Front linkage fully extended at ground line
2. Bucket curled
3. 100% bucket fill factor
- * Capacities based on SAE J296. Some calculations of capacity fall on borderlines. Rounding may allow two buckets to have the same English rating but different metric ratings.

- 2100 kg/m³ (3,500 lb/yd³) max material density
- ◐ 1800 kg/m³ (3,000 lb/yd³) max material density
- 1500 kg/m³ (2,500 lb/yd³) max material density
- ◐ 1200 kg/m³ (2,000 lb/yd³) max material density
- 900 kg/m³ (1,500 lb/yd³) max material density

345D L Hydraulic Excavator

345D L Bucket Specifications and Compatibility

Variable Gauge Undercarriage

	Capacity*		Width		Tip Radius		Weight w/o tips		Teeth Qty	HD Reach Boom Stick		Long Reach Boom Stick	
	m³	yd³	mm	in	mm	in	kg	lb		R3.9TB	R3.35TB	R4.3TB	R3.9TB
										(12'10")	(11'0")	(14'1")	(12'10")
TB Buckets													
General Purpose – Capacity (GP-C)	1.0	1.32	762	30	1871	73.6	1265	2,790	3	●	●	●	●
	1.2	1.60	914	36	1871	73.6	1490	3,280	4	●	●	●	●
	1.5	1.98	1067	42	1871	73.6	1583	3,490	4	●	●	●	●
	1.8	2.35	1219	48	1871	73.6	1728	3,810	5	●	●	●	●
	2.1	2.75	1372	54	1871	73.6	1850	4,070	5	●	●	●	●
	2.4	3.13	1524	60	1871	73.6	1930	4,250	6	●	●	◐	●
	2.8	3.64	1676	66	1871	73.6	2182	4,810	7	◐	●	○	○
	3.1	4.03	1880	74	1871	73.6	2308	5,080	7	○	◐	◐	○
Heavy Duty (HD)	1.1	1.39	914	36	1871	73.6	1549	3,410	4	●	●	●	●
	1.3	1.70	1067	42	1871	73.6	1664	3,670	4	●	●	●	●
	1.6	2.04	1219	48	1871	73.6	1806	3,980	5	●	●	●	●
	1.8	2.37	1372	54	1871	73.6	1931	4,250	5	●	●	●	●
	2.1	2.71	1524	60	1871	73.6	2080	4,580	6	●	●	●	●
	2.4	3.14	1676	66	1871	73.6	2291	5,050	7	●	●	○	◐
	2.7	3.51	1880	74	1871	73.6	2397	5,280	7	◐	●	○	○
	Heavy Duty Rock (HDR)	0.9	1.14	762	30	1871	73.6	1410	3,110	3	●	●	●
1.1		1.39	914	36	1871	73.6	1644	3,620	4	●	●	●	●
1.3		1.71	1067	42	1871	73.6	1769	3,900	4	●	●	●	●
1.6		2.04	1219	48	1871	73.6	1923	4,240	5	●	●	●	●
1.8		2.37	1372	54	1871	73.6	2061	4,540	5	●	●	●	●
2.1		2.71	1524	60	1871	73.6	2221	4,890	6	●	●	◐	●
2.4		3.14	1676	66	1871	73.6	2451	5,400	7	●	●	○	◐
2.7		3.51	1880	74	1871	73.6	2567	5,650	7	◐	◐	◐	○
Heavy Duty-Power (HD-P)	1.73	2.26	1372	54	1725	67.9	1894	4,170	4	●	●	●	●

	Capacity*		Width		Tip Radius		Weight w/o tips		Teeth Qty	Mass Boom Stick	
	m³	yd³	mm	in	mm	in	kg	lb		M3.0UB (9'10")	M2.5UB (8'2")
UB Buckets											
General Purpose (GP)	3.5	4.54	1981.2	78	2047	80.6	2762	6,080	6	○	◐
Heavy Duty (HD)	3.1	4.07	1981.2	78	1880	74.0	2675	5,890	6	◐	●
Heavy Duty Rock (HDR)	2.4	3.17	1524	60	2093	82.4	2544	5,600	4	●	●
	3.1	4.07	1930.4	76	2147	84.5	3013	6,640	6	◐	◐

Assumptions for maximum material density rating

1. Front linkage fully extended at ground line
2. Bucket curled
3. 100% bucket fill factor
- * Capacities based on SAE J296. Some calculations of capacity fall on borderlines. Rounding may allow two buckets to have the same English rating but different metric ratings.

- 2100 kg/m³ (3,500 lb/yd³) max material density
- ◐ 1800 kg/m³ (3,000 lb/yd³) max material density
- 1500 kg/m³ (2,500 lb/yd³) max material density
- ◑ 1200 kg/m³ (2,000 lb/yd³) max material density
- 900 kg/m³ (1,500 lb/yd³) max material density

345D L Hydraulic Excavator

345D L Bucket Specifications and Compatibility

Wide Variable Gauge Undercarriage

	Capacity*		Width		Tip Radius		Weight w/o tips		Teeth Qty	HD Reach Boom Stick		Long Reach Boom Stick	
	m³	yd³	mm	in	mm	in	kg	lb		R3.9TB (12'10")	R3.35TB (11'0")	R4.3TB (14'1")	R3.9TB (12'10")
TB Buckets													
General Purpose – Capacity (GP-C)	1.0	1.32	762	30	1871	73.6	1265	2,790	3	●	●	●	●
	1.2	1.60	914	36	1871	73.6	1490	3,280	4	●	●	●	●
	1.5	1.98	1067	42	1871	73.6	1583	3,490	4	●	●	●	●
	1.8	2.35	1219	48	1871	73.6	1728	3,810	5	●	●	●	●
	2.1	2.75	1372	54	1871	73.6	1850	4,070	5	●	●	●	●
	2.4	3.13	1524	60	1871	73.6	1930	4,250	6	●	●	●	●
	2.8	3.64	1676	66	1871	73.6	2182	4,810	7	●	●	◐	●
	3.1	4.03	1880	74	1871	73.6	2308	5,080	7	●	●	○	◐
Heavy Duty (HD)	1.1	1.39	914	36	1871	73.6	1549	3,410	4	●	●	●	●
	1.3	1.70	1067	42	1871	73.6	1664	3,670	4	●	●	●	●
	1.6	2.04	1219	48	1871	73.6	1806	3,980	5	●	●	●	●
	1.8	2.37	1372	54	1871	73.6	1931	4,250	5	●	●	●	●
	2.1	2.71	1524	60	1871	73.6	2080	4,580	6	●	●	●	●
	2.4	3.14	1676	66	1871	73.6	2291	5,050	7	●	●	●	●
	2.7	3.51	1880	74	1871	73.6	2397	5,280	7	●	●	◐	●
Heavy Duty Rock (HDR)	0.9	1.14	762	30	1871	73.6	1410	3,110	3	●	●	●	●
	1.1	1.39	914	36	1871	73.6	1644	3,620	4	●	●	●	●
	1.3	1.71	1067	42	1871	73.6	1769	3,900	4	●	●	●	●
	1.6	2.04	1219	48	1871	73.6	1923	4,240	5	●	●	●	●
	1.8	2.37	1372	54	1871	73.6	2061	4,540	5	●	●	●	●
	2.1	2.71	1524	60	1871	73.6	2221	4,890	6	●	●	●	●
	2.4	3.14	1676	66	1871	73.6	2451	5,400	7	●	●	●	●
Heavy Duty-Power (HD-P)	2.7	3.51	1880	74	1871	73.6	2567	5,650	7	●	●	◐	●
	1.73	2.26	1372	54	1725	67.9	1894	4,170	4	●	●	●	●

	Capacity*		Width		Tip Radius		Weight w/o tips		Teeth Qty	Mass Boom Stick	
	m³	yd³	mm	in	mm	in	kg	lb		M3.0UB (9'10")	M2.5UB (8'2")
UB Buckets											
General Purpose (GP)	3.5	4.54	1981.2	78	2047	80.6	2762	6,080	6	☐	●
Heavy Duty (HD)	3.1	4.07	1981.2	78	1880	74.0	2675	5,890	6	●	●
Heavy Duty Rock (HDR)	2.4	3.17	1524	60	2093	82.4	2544	5,600	4	●	●
	3.1	4.07	1930.4	76	2147	84.5	3013	6,640	6	☐	●

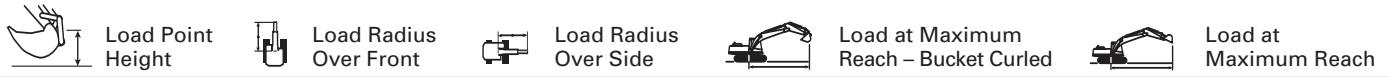
Assumptions for maximum material density rating

1. Front linkage fully extended at ground line
2. Bucket curled
3. 100% bucket fill factor
- * Capacities based on SAE J296. Some calculations of capacity fall on borderlines. Rounding may allow two buckets to have the same English rating but different metric ratings.

- 2100 kg/m³ (3,500 lb/yd³) max material density
- ◐ 1800 kg/m³ (3,000 lb/yd³) max material density
- 1500 kg/m³ (2,500 lb/yd³) max material density
- ◑ 1200 kg/m³ (2,000 lb/yd³) max material density
- 900 kg/m³ (1,500 lb/yd³) max material density

345D L Hydraulic Excavator

HD Reach Boom Lift Capacities



BOOM – 6.9 m (22'8")
STICK – 3.9 m (12'10")

BUCKET – GP-C 2.36 yd³ – 1820 kg (4,013 lb)
SHOES – 900 mm (36") triple grouser

UNDERCARRIAGE – Long – fixed gauge
COUNTERWEIGHT – 9000 kg (19,842 lb)

		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft								
														m ft			m ft	
9.0 m 30.0 ft	kg lb												*6460 *14,360	*6460 *14,360	6.83 21.99	*4410 *9,800	*4410 *9,800	9.99 32.42
7.5 m 25.0 ft	kg lb							*7540 *14,950	7260 *14,950				*6110 *13,500	*6110 *13,500	7.92 25.75	*4280 *9,450	*4280 *9,450	10.92 35.63
6.0 m 20.0 ft	kg lb							*8370 *18,300	7180 15,350				*6050 *13,330	5730 12,750	8.65 28.27	*4290 *9,450	*4290 *9,450	11.53 37.73
4.5 m 15.0 ft	kg lb					*10 000 *21,700	9690 20,850	*8940 *19,450	6970 14,950	*6640 5090			*6190 *13,630	5080 11,260	9.11 29.85	*4420 *9,750	4000 8,850	11.88 38.93
3.0 m 10.0 ft	kg lb	*19 080 *41,000	*19 080 *41,000	*13 930 *30,050	13 170 28,400	*11 260 *24,400	9170 19,700	*9650 *20,950	6680 14,350	*8510 *16,400	4960 10,600	*6550 *14,400	4730 10,440	9.33 30.61	*4670 *10,250	3800 8,400	11.99 39.34	
1.5 m 5.0 ft	kg lb	*22 710 *48,950	18 880 40,700	*15 960 *34,500	12 220 26,350	*12 450 *26,950	8640 18,600	*10 350 *22,450	6380 13,700	8390 18,000	4810 10,300	*7140 *15,720	4600 10,140	9.33 30.63	*5050 *11,100	3770 8,300	11.88 38.99	
Ground Line	kg lb	*24 410 *52,800	17 810 38,300	*17 290 *37,400	11 530 24,850	*13 320 *28,850	8220 17,700	10 630 22,850	6130 13,150	8250 *16,650	4680 10,000	8070 *17,800	4680 10,320	9.11 29.9	*5620 *12,400	3920 8,650	11.54 37.86	
-1.5 m -5.0 ft	kg lb	*24 450 *53,000	17 400 37,400	*17 740 *38,400	11 150 24,000	*13 670 *29,600	7950 17,100	10 450 22,450	5970 12,800			8970 *19,810	5020 11,080	8.66 28.37	*6470 *14,300	4290 9,500	10.95 35.88	
-3.0 m -10.0 ft	kg lb	*23 220 *50,250	17 390 37,350	*17 230 *37,250	11 040 23,750	*13 320 *28,750	7850 16,900	10 410 22,400	5930 12,750			*9600 *21,170	5730 12,710	7.93 25.92	*7830 *17,400	5020 11,150	10.05 32.87	
-4.5 m -15.0 ft	kg lb	*20 670 *44,600	17 670 38,000	*15 610 *33,600	11 160 24,000	*11 960 *25,550	7940 17,100					*9590 *21,120	7150 15,990	6.86 22.32				
-6.0 m -20.0 ft	kg lb	*16 280 *34,600	*16 280 *34,600	*12 250 *25,800	11 550 24,950							*8900 *19,410	*8900 *19,410	5.3 16.96				

* Limited to hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity rating standard ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. All lifts with heavy lift on.



BOOM – 6.9 m (22'8")
STICK – 3.9 m (12'10")

BUCKET – Bare coupler – 934 kg (2,059 lb)
SHOES – 900 mm (36") triple grouser

UNDERCARRIAGE – Long – fixed gauge
COUNTERWEIGHT – 9000 kg (19,842 lb)

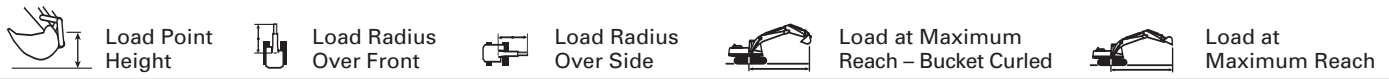
	3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft					
															m ft	
9.0 m 30.0 ft	kg lb													*15,830	*15,830	25.47
7.5 m 25.0 ft	kg lb								*8070	7800				*6800	*6800	8.93
									*16,150	*16,150				*15,030	*15,030	29.06
6.0 m 20.0 ft	kg lb								*8990	7700				*6730	6480	9.66
									*19,700	16,500				*14,840	14,410	31.56
4.5 m 15.0 ft	kg lb							*10 570	10 150	*9550	7470			*6860	5820	10.13
								*22,950	21,850	*20,800	16,050			*15,100	12,880	33.19
3.0 m 10.0 ft	kg lb			*19 630	*19 630	*14 480	13 600	*11 840	9630	*10 260	7180	*8930	5500	*7170	5430	10.39
				*42,200	*42,200	*31,300	29,300	*25,650	20,750	*22,300	15,450	*17,400	11,750	*15,770	12,000	34.08
1.5 m 5.0 ft	kg lb			*23 360	19 400	*16 560	12 700	*13 050	9120	*10 950	6880	8900	5340	*7690	5270	10.44
				*50,400	41,800	*35,800	27,400	*28,300	19,650	*23,800	14,800	19,150	11,450	*16,930	11,610	34.26
Ground Line	kg lb	*9780	*9780	*25 120	18 400	*17 930	12 040	*13 930	8720	11 120	6640	8760	5210	*8510	5290	10.29
		*22,200	*22,200	*54,350	39,600	*38,800	25,950	*30,200	18,750	23,900	14,300	*17,450	11,200	*18,750	11,670	33.76
-1.5 m -5.0 ft	kg lb	*14 540	*14 540	*25 180	18 010	*18 380	11 680	*14 290	8460	10 940	6480			9390	5540	9.92
		*32,800	*32,800	*54,550	38,700	*39,800	25,150	*30,950	18,200	23,550	13,950			20,730	12,240	32.52
-3.0 m -10.0 ft	kg lb	*20 360	*20 360	*23 930	17 980	*17 880	11 560	*13 940	8360	10 900	6430			*10 330	6100	9.31
		*45,950	*45,950	*51,850	38,650	*38,700	24,900	*30,100	18,000	23,500	13,850			*22,780	13,510	30.45
-4.5 m -15.0 ft	kg lb	*23 890	*23 890	*21 350	18 220	*16 240	11 670	*12 570	8440					*10 430	7210	8.38
		*53,300	*53,300	*46,050	39,200	*34,950	25,150	*26,900	18,200					*22,990	16,060	27.33
-6.0 m -20.0 ft	kg lb	*22 500	*22 500	*16 910	*16 910	*12 850	12 020							*10 120	9590	7.03
		*47,900	*47,900	*36,000	*36,000	*27,100	25,950							*22,190	21,690	22.69

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345D L Hydraulic Excavator

HD Reach Boom Lift Capacities



BOOM – 6.9 m (22'8")
STICK – 3.35 m (11'0")

BUCKET – GP-C 2.36 yd³ – 1820 kg (4,013 lb)
SHOES – 900 mm (36") triple grouser

UNDERCARRIAGE – Long – fixed gauge
COUNTERWEIGHT – 9000 kg (19,842 lb)

		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											*7490 *16,700	*7490 *16,700	6.28 20.14	*4630 *10,250	*4630 *10,250	9.44 30.60
7.5 m 25.0 ft	kg lb											*6980 *15,450	*6980 *15,450	7.44 24.16	*4460 *9,850	*4460 *9,850	10.44 34.03
6.0 m 20.0 ft	kg lb							*9600 *20,900	*9600 *20,900	*8900 *19,500	6970 14,900	*15,090 13,620	6120 13,620	8.21 26.82	*4450 *9,800	*4450 *9,800	11.08 36.24
4.5 m 15.0 ft	kg lb					*12 600 *27,200	*12 600 *27,200	*10 610 *23,000	9460 20,350	*9390 *20,450	6790 14,550	*6960 *15,330	5390 11,950	8.69 28.47	*4560 *10,050	4270 9,450	11.44 37.50
3.0 m 10.0 ft	kg lb			*20 620 *44,300	19 980 43,150	*14 740 *31,800	12 800 27,600	*11 780 *25,500	8950 19,250	*10 020 *21,750	6540 14,000	*7320 *16,110	5010 11,060	8.92 29.27	*4790 *10,550	4060 8,950	11.56 37.92
1.5 m 5.0 ft	kg lb			*23 140 *51,000	18 280 39,400	*16 540 *35,750	11 930 25,700	*12 840 *27,800	8470 18,200	*10 610 *23,000	6270 13,450	*7960 *17,510	4880 10,770	8.92 29.28	*5170 *11,400	4050 8,900	11.44 37.56
Ground Line	kg lb			*21 560 *50,150	17 490 37,650	*17 550 *38,000	11 340 24,400	*13 520 *29,250	8100 17,400	10 550 22,650	6050 13,000	8940 19,700	5000 11,030	8.69 28.52	*5740 *12,650	4240 9,350	11.09 36.38
-1.5 m -5.0 ft	kg lb		*13 540 *30,600	*13 540 *30,600	*23 970 *52,000	17 290 37,150	*17 640 *38,200	11 060 23,800	*13 630 *29,500	7890 16,950	10 420 22,400	9660 21,330	5420 11,970	8.22 26.92	*6600 *14,600	4690 10,350	10.47 34.29
-3.0 m -10.0 ft	kg lb		*20 690 *46,750	*20 690 *46,750	*22 230 *48,150	17 430 37,450	*16 750 *36,200	11 040 23,750	*12 960 *27,950	7860 16,900	*9910 21,900	*9780 *21,560	6300 13,970	7.45 24.35	*7950 *17,500	5600 12,400	9.52 31.10
-4.5 m -15.0 ft	kg lb		*22 980 *51,200	*22 980 *51,200	*19 130 *41,200	17 830 38,350	*14 620 *31,350	11 250 24,250	*11 010 *23,300	8040 17,350		*9440 *20,720	8110 18,160	6.32 20.51			
-6.0 m -20.0 ft	kg lb				*13 850 *29,150	*13 850 *29,150	*10 210 *20,950	*10 210 *20,950									

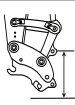
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BOOM – 6.9 m (22'8")
STICK – 3.35 m (11'0")

BUCKET – Bare coupler – 934 kg (2,059 lb)
SHOES – 900 mm (36") triple grouser

UNDERCARRIAGE – Long – fixed gauge
COUNTERWEIGHT – 9000 kg (19,842 lb)

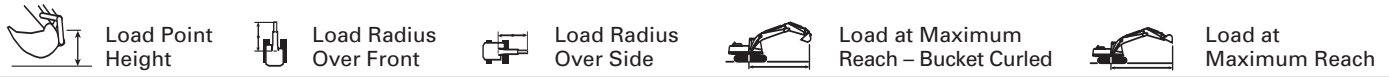
	3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft				
													m ft
9.0 m 30.0 ft	kg lb											*18,260 *18,260	23.67
7.5 m 25.0 ft	kg lb											*7680 *17,110	*7680 *17,110 27.48
6.0 m 20.0 ft	kg lb						*10 170 *22,200	*10 170 *22,200	*9530 *20,900	7490 16,050	*7550 *16,760	6870 15,310	9.22 30.09
4.5 m 15.0 ft	kg lb				*13 140 *28,400	*13 140 *28,400	*11 180 *24,300	9910 21,350	*10 000 *21,800	7300 15,650	*7640 *16,960	6130 13,600	9.71 31.79
3.0 m 10.0 ft	kg lb		*21 210 *45,600	20 430 44,100	*15 310 *33,050	13 240 28,550	*12 360 *26,800	9420 20,300	*10 630 *23,100	7030 15,100	*7960 *17,660	5720 12,640	9.98 32.71
1.5 m 5.0 ft	kg lb		*24 040 *52,500	18 870 40,650	*17 160 *37,100	12 420 26,800	*13 440 *29,100	8950 19,300	*11 210 *24,250	6770 14,550	*8520 *18,920	5550 12,240	10.03 32.90
Ground Line	kg lb		*22 350 *51,900	18 140 39,050	*18 200 *39,400	11 870 25,550	*14 130 *30,600	8600 18,500	11 030 23,750	6560 14,100	*9410 *20,920	5600 12,360	9.87 32.37
-1.5 m -5.0 ft	kg lb	*14 120 *31,900	*14 120 *31,900	*24 730 *53,650	17 940 38,550	*18 300 *39,650	11 600 25,000	*14 250 *30,850	8400 18,100	10 910 23,500	6440 13,900	10 030 22,160	5910 13,070 31.08
-3.0 m -10.0 ft	kg lb	*21 130 *46,900	*21 130 *46,900	*22 960 *49,750	18 040 38,800	*17 400 *37,650	11 570 24,900	*13 580 *29,300	8360 18,000	*10 520 *23,370	6470 14,250	*10 590 *23,370	6600 14,630 28.90
-4.5 m -15.0 ft	kg lb	*23 430 *52,350	*23 430 *52,350	*19 810 *42,700	18 390 39,550	*15 250 *32,750	11 760 25,350	*11 610 *24,600	8530 18,450		*10 440 *23,020	7980 17,820	7.86 25.60
-6.0 m -20.0 ft	kg lb			*14 460 *30,450	*14 460 *30,450	*10 790 *22,250	*10 790 *22,250				*9510 *20,750	*9510 *20,750	6.39 20.56

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SHOES – 900 mm (36") triple grouser

UNDERCARRIAGE – Long – fixed gauge
COUNTERWEIGHT – 7641 kg (16,846 lb)

		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft								
														m ft			m ft	
9.0 m 30.0 ft	kg lb												*6460 *14,360	*6460 *14,360	6.83 21.99	*4230 *9,350	*4230 *9,350	9.97 32.33
7.5 m 25.0 ft	kg lb							*7540 *14,950	6580 14,000				*6110 *13,500	*6110 *13,500	7.92 25.75	*4110 *9,050	*4110 *9,050	10.90 35.56
6.0 m 20.0 ft	kg lb							*8370 *18,300	6510 13,900				*6050 *13,330	5110 11,390	8.65 28.27	*4130 *9,100	3950 8,750	11.51 37.66
4.5 m 15.0 ft	kg lb					*10 000 *21,700	8850 19,000	*8940 *19,450	6290 13,450	*6640 14,530	4530		*6190 *13,630	4500 9,970	9.11 29.85	*4260 *9,350	3570 7,900	11.86 38.86
3.0 m 10.0 ft	kg lb	*19 080 *41,000	*19 080 *41,000	*13 930 *30,050	12 050 25,950	*11 260 *24,400	8320 17,900	*9650 *20,950	6010 12,850	7850 *16,400	4400 9,350	*6550 *14,400	4160 9,190	9.33 30.61	*4500 *9,900	3370 7,450	11.97 39.27	
1.5 m 5.0 ft	kg lb	*22 710 *48,950	17 200 37,050	*15 960 *34,500	11 100 23,900	*12 450 *26,950	7800 16,750	10 050 21,550	5710 12,250	7680 16,450	4250 9,050	*7140 *15,720	4030 8,880	9.33 30.63	*4880 *10,750	3340 7,350	11.86 38.91	
Ground Line	kg lb	*24 410 *52,800	16 130 34,700	*17 290 *37,400	10 410 22,400	13 160 28,250	7370 15,850	9770 21,000	5450 11,700	7540 16,200	4120 8,800	7650 16,860	4100 9,040	9.11 29.9	*5450 *12,000	3470 7,650	11.52 37.78	
-1.5 m -5.0 ft	kg lb	*24 450 *53,000	15 720 33,750	*17 740 *38,400	10 030 21,550	12 850 27,600	7100 15,250	9590 20,600	5290 11,350			8200 18,100	4400 9,730	8.66 28.37	*6300 *13,900	3810 8,400	10.92 35.80	
-3.0 m -10.0 ft	kg lb	*23 220 *50,250	15 710 33,750	*17 230 *37,250	9910 21,300	12 740 27,400	7000 15,050	9540 20,550	5250 11,300			9320 20,660	5060 11,200	7.93 25.92	*7650 *17,000	4490 9,950	10.03 32.78	
-4.5 m -15.0 ft	kg lb	*20 670 *44,600	15 990 34,350	*15 610 *33,600	10 030 21,600	*11 960 *25,550	7100 15,300					*9590 *21,120	6370 14,240	6.86 22.32				
-6.0 m -20.0 ft	kg lb	*16 280 *34,600	*16 280 *34,600	*12 250 *25,800	10 420 22,500							*8900 *19,410	*8900 *19,410	5.30 16.96				

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BOOM – 6.9 m (22'8")
STICK – 3.9 m (12'10")

BUCKET – Bare coupler – 934 kg (2,059 lb)
SHOES – 900 mm (36") triple grouser

UNDERCARRIAGE – Long – fixed gauge
COUNTERWEIGHT – 7641 kg (16,846 lb)

	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		10.5 m/35.0 ft					
															m ft	
9.0 m 30.0 ft	kg lb														*15,830 *15,830	25.47
7.5 m 25.0 ft	kg lb								*8070 *16,150	7120 15,200					*6800 *15,030	8.93 29.06
6.0 m 20.0 ft	kg lb								*8990 *19,700	7020 15,050					*6730 14,840	9.66 31.56
4.5 m 15.0 ft	kg lb						*10 570 *22,950	9310 20,000	*9550 *20,800	6800 14,600					*6860 *15,100	10.13 33.19
3.0 m 10.0 ft	kg lb			*19 630 *42,200	19 500 42,100	*14 480 *31,300	12 470 26,900	*11 840 *25,650	8790 18,900	*10 260 *22,300	6500 13,950	8370 *17,400	4930 10,550	*7170 *15,770	4860 10,740	10.39 34.08
1.5 m 5.0 ft	kg lb			*23 360 *50,400	17 720 38,200	*16 560 *35,800	11 570 24,950	*13 050 *28,300	8280 17,850	10 530 22,650	6210 13,350	8200 17,600	4770 10,250	*7690 *16,930	4700 10,360	10.44 34.26
Ground Line	kg lb	*9780 *22,200	*9780 *22,200	*25 120 *54,350	16 720 35,950	*17 930 *38,800	10 920 23,500	13 640 29,300	7870 16,950	10 260 22,050	5960 12,800	8060 17,300	4640 9,950	8220 18,130	4720 10,400	10.29 33.76
-1.5 m -5.0 ft	kg lb	*14 540 *32,800	*14 540 *32,800	*25 180 *54,550	16 330 35,100	*18 380 *39,800	10 560 22,750	13 340 28,700	7610 16,400	10 080 21,700	5800 12,500			8640 19,060	4940 10,910	9.92 32.52
-3.0 m -10.0 ft	kg lb	*20 360 *45,950	*20 360 *45,950	*23 930 *51,850	16 300 35,050	*17 880 *38,700	10 440 22,500	13 230 28,450	7510 16,200	10 040 21,600	5760 12,400			9520 21,070	5450 12,080	9.31 30.45
-4.5 m -15.0 ft	kg lb	*23 890 *53,300	*23 890 *53,300	*21 350 *46,050	16 540 35,550	*16 240 *34,950	10 540 22,700	*12 570 *26,900	7590 16,400					*10,430 *22,990	6470 14,420	8.38 27.33
-6.0 m -20.0 ft	kg lb	*22 500 *47,900	*22 500 *47,900	*16 910 *36,000	*16 910 *36,000	*12 850 *27,100	10 900 23,550							*10,120 *22,190	8680 19,630	7.03 22.69

* Limited to hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity rating standard ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. All lifts with heavy lift on.

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

345D L Hydraulic Excavator

HD Reach Boom Lift Capacities



Load Point
Height



Load Radius
Over Front



Load Radius
Over Side



Load at Maximum
Reach – Bucket Curled



Load at
Maximum Reach

BOOM – 6.9 m (22'8")
STICK – 3.9 m (12'10")

BUCKET – GP-C 2.36 yd³ – 1820 kg (4,013 lb)
SHOES – 900 mm (36") triple grouser

UNDERCARRIAGE – Long – variable gauge
COUNTERWEIGHT – 9000 kg (19,842 lb)

		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft							
														m ft			m ft
9.0 m 30.0 ft	kg lb											*6410 *14,240	*6410 *14,240	6.96 22.41	*4210 *9,350	*4210 *9,350	10.07 32.70
7.5 m 25.0 ft	kg lb							*7800 *15,650	*7800 *15,650			*6090 *13,460	*6090 *13,460	8.00 26.03	*4110 *9,050	*4110 *9,050	10.97 35.80
6.0 m 20.0 ft	kg lb							*8410 *18,400	7940 17,000			*6050 *13,330	*6050 *13,330	8.71 28.46	*4140 *9,100	*4140 *9,100	11.55 37.81
4.5 m 15.0 ft	kg lb					*10 120 *21,950	*10 120 *21,950	*9010 *19,600	7710 16,550	*6860 *12,450	5710 12,150	*6220 *13,680	5680 12,580	9.14 29.95	*4280 *9,400	*4280 *9,400	11.88 38.93
3.0 m 10.0 ft	kg lb	*19 500 *41,900	*19 500 *41,900	*14 140 *30,500	*14 140 *30,500	*11 380 *24,650	10 100 21,750	*9720 *21,100	7420 15,900	*8630 *16,700	5570 11,900	*6590 *14,500	5330 11,770	9.34 30.65	*4530 *9,950	4370 9,650	11.97 39.27
1.5 m 5.0 ft	kg lb	*22 970 *49,550	20 980 45,150	*16 130 *34,850	13 520 29,100	*12 560 *27,200	9580 20,600	*10 410 *22,550	7120 15,300	8750 *18,450	5420 11,600	*7210 *15,880	5220 11,510	9.32 30.59	*4930 *10,850	4370 9,600	11.83 38.84
Ground Line	kg lb	*24 480 *52,950	19 960 42,900	*17 380 *37,600	12 850 27,650	*13 380 *28,950	9160 19,700	*10 880 *23,550	6870 14,750	8610 *16,150	5290 11,350	*8190 *18,050	5350 11,790	9.08 29.79	*5520 *12,150	4550 10,050	11.47 37.63
-1.5 m -5.0 ft	kg lb	*24 390 *52,850	19 580 42,050	*17 730 *38,400	12 480 26,850	*13 670 *29,600	8910 19,150	*10 890 *23,400	6710 14,450			*9430 *20,800	5760 12,710	8.60 28.18	*6400 *14,150	5000 11,050	10.85 35.56
-3.0 m -10.0 ft	kg lb	*23 030 *49,850	19 610 42,100	*17 130 *37,050	12 390 26,650	*13 240 *28,550	8820 19,000	*10 360 *22,200	6690 14,400			*9610 *21,200	6590 14,620	7.84 25.64	*7830 *17,400	5860 13,000	9.92 32.43
-4.5 m -15.0 ft	kg lb	*20 340 *43,850	19 930 42,800	*15 380 *33,050	12 540 27,000	*11 740 *25,050	8940 19,250					*9570 *21,070	8270 18,500	6.74 21.90			
-6.0 m -20.0 ft	kg lb	*15 710 *33,350	*15 710 *33,350	*11 780 *24,700	*11 780 *24,700							*8750 *19,030	*8750 *19,030	5.10 16.31			

* Limited to hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity rating standard ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. All lifts with heavy lift on.



Load Point
Height



Load Radius
Over Front



Load Radius
Over Side



Load at Maximum
Reach – Bucket Curled



Load at
Maximum Reach

BOOM – 6.9 m (22'8")
STICK – 3.35 m (11'0")

BUCKET – GP-C 2.36 yd³ – 1820 kg (4,013 lb)
SHOES – 900 mm (36") triple grouser

UNDERCARRIAGE – Long – variable gauge
COUNTERWEIGHT – 9000 kg (19,842 lb)

		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			m ft
9.0 m 30.0 ft	kg lb														*4600 *10,200	*4600 *10,200	9.56 30.99
7.5 m 25.0 ft	kg lb									*6860 *15,380	*6860 *15,380	*6960 *15,380	*6960 *15,380	7.53 24.46	*4450 *9,850	*4450 *9,850	10.51 34.29
6.0 m 20.0 ft	kg lb							*9680 *21,050	*9680 *21,050	*8940 *19,550	7730 16,550	*15,090 *15,090	6750 15,020	8.27 27.01	*4450 *9,800	*4450 *9,800	11.12 36.40
4.5 m 15.0 ft	kg lb					*12 810 *27,650	*12 810 *27,650	*10 720 *23,250	10 400 22,350	*9450 *20,550	7540 16,150	*6990 *15,380	6020 13,340	8.73 28.58	*4580 *10,050	*4580 *10,050	11.46 37.57
3.0 m 10.0 ft	kg lb			*21 000 *45,100	*21 000 *45,100	*14 940 *32,250	14 090 30,400	*11 890 *25,750	9890 21,300	*10 080 *21,900	7270 15,600	*7370 *16,210	5650 12,460	8.93 29.30	*4820 *10,600	4600 10,150	11.56 37.92
1.5 m 5.0 ft	kg lb			*22 450 *51,350	20 390 43,900	*16 680 *36,050	13 230 28,500	*12 920 *27,950	9410 20,250	*10 650 *23,100	7010 15,050	*8030 *17,680	5540 12,220	8.91 29.24	*5220 *11,500	4620 10,150	11.42 37.48
Ground Line	kg lb	*7750 *17,700	*7750 *17,700	*21 830 *50,650	19 660 42,250	*17 600 *38,100	12 660 27,250	*13 560 *29,350	9050 19,450	*10 970 *23,600	6800 14,600	*9110 *20,080	5710 12,590	8.66 28.40	*5810 *12,800	4850 10,700	11.04 36.22
-1.5 m -5.0 ft	kg lb	*14 180 *32,000	*14 180 *32,000	*23 860 *51,750	19 490 41,850	*17 600 *38,100	12 400 26,700	*13 610 *29,400	8850 19,050	*10 820 *23,300	6690 14,400	*9760 *21,530	6210 13,720	8.15 26.72	*6710 *14,850	5390 11,900	10.39 34.04
-3.0 m -10.0 ft	kg lb	*21 350 *47,300	*21 350 *47,300	*22 000 *47,650	19 660 42,250	*16 610 *35,900	12 400 26,700	*12 840 *27,650	8840 19,050	*9730 *21,530	6740 16,070	*9770 *21,530	7240 16,070	7.36 24.05	*7900 *17,400	6440 14,300	9.40 30.73
-4.5 m -15.0 ft	kg lb	*23 240 *51,850	*23 240 *51,850	*18 730 *40,350	*18 730 *40,350	*14 330 *30,700	12 650 27,250	*10 700 *22,550	9050 19,550			*9360 *20,550	*9360 *20,550	6.18 20.06			
-6.0 m -20.0 ft	kg lb			*13 150 *28,900	*13 150 *28,900	*9530 *21,100	*9530 *21,100										

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

345D L Hydraulic Excavator

HD Reach Boom Lift Capacities



Load Point
Height



Load Radius
Over Front



Load Radius
Over Side



Load at Maximum
Reach – Bucket Curled



Load at
Maximum Reach

BOOM – 6.9 m (22'8")
STICK – 3.9 m (12'10")

BUCKET – GP-C 2.36 yd³ – 1820 kg (4,013 lb)
SHOES – 900 mm (36") triple grouser

UNDERCARRIAGE – Long – wide variable gauge
COUNTERWEIGHT – 9000 kg (19,842 lb)

		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft							
														m ft			m ft
9.0 m 30.0 ft	kg lb											*6410 *14,240	*6410 *14,240	6.96 22.41	*4210 *9,350	*4210 *9,350	10.07 32.7
7.5 m 25.0 ft	kg lb							*7800 *15,650	*7800 *15,650			*6100 *13,460	*6100 *13,460	8.00 26.03	*4110 *9,050	*4110 *9,050	10.97 35.80
6.0 m 20.0 ft	kg lb							*8410 *18,400	*8410 *18,400			*6050 *13,330	*6050 *13,330	8.71 28.46	*4140 *9,100	*4140 *9,100	11.55 37.81
4.5 m 15.0 ft	kg lb					*10 120 *21,950	*10 120 *21,950	*9010 *19,600	8940 19,200	*6860 *12,450	6680 *12,450	*6220 *13,680	*6220 *13,680	9.14 29.95	*4280 *9,400	*4280 *9,400	11.88 38.93
3.0 m 10.0 ft	kg lb	*19 500 *41,900	*19 500 *41,900	*14 140 *30,500	*14 140 *30,500	*11 380 *24,650	*11 380 *24,650	*9720 *21,100	8640 18,550	*8630 *16,700	6550 14,000	*6590 *14,500	6310 13,920	9.34 30.65	*4530 *9,950	*4530 *9,950	11.97 39.27
1.5 m 5.0 ft	kg lb	*22 970 *49,550	*22 970 *49,550	*16 130 *34,850	15 840 34,100	*12 560 *27,200	11 180 24,050	*10 410 *22,550	8330 17,900	8900 *18,450	6390 13,700	*7210 *15,880	6200 13,670	9.32 30.59	*4930 *10,850	*4930 *10,850	11.83 38.84
Ground Line	kg lb	*24 480 *52,950	23 950 51,400	*17 380 *37,600	15 140 32,600	*13 380 *28,950	10 750 23,150	*10 880 *23,550	8080 17,350	8760 *16,150	6260 13,450	*8190 *18,050	6350 14,010	9.08 29.79	*5520 *12,150	5410 11,950	11.47 37.63
-1.5 m -5.0 ft	kg lb	*24 390 *52,850	23 550 50,500	*17 730 *38,400	14 770 31,750	*13 670 *29,600	10 490 22,550	*10 950 *23,650	7920 17,000			*9430 *20,800	6830 15,090	8.60 28.18	*6400 *14,150	5920 13,100	10.85 35.56
-3.0 m -10.0 ft	kg lb	*23 030 *49,850	*23 030 *49,850	*17 130 *37,050	14 670 31,550	*13 240 *28,550	10 400 22,400	*10 360 *22,200	7890 17,000			*9610 *21,200	7800 17,300	7.84 25.64	*7830 *17,400	6910 15,300	9.92 32.43
-4.5 m -15.0 ft	kg lb	*20 340 *43,850	*20 340 *43,850	*15 380 *33,050	14 820 31,900	*11 740 *25,050	10 520 22,650					*9570 *21,070	*9570 *21,070	6.74 21.9			
-6.0 m -20.0 ft	kg lb	*15 710 *33,350	*15 710 *33,350	*11 780 *24,700	*11 780 *24,700							*8750 *19,030	*8750 *19,030	5.10 16.31			

* Limited to hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity rating standard ISO 10567.

They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. All lifts with heavy lift on.

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

345D L Hydraulic Excavator

Mass Boom Lift Capacities



Load Point
Height



Load Radius
Over Front



Load Radius
Over Side



Load at Maximum
Reach – Bucket Curled



Load at
Maximum Reach

BOOM – 6.55 m (21'6")
STICK – 2.5 m (8'2")

BUCKET – UB 75 HDR V-edge – 3062 kg (6,752 lb)
SHOES – 900 mm (36") triple grouser

UNDERCARRIAGE – Long – fixed gauge
COUNTERWEIGHT – 9000 kg (19,842 lb)

		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			m ft
9.0 m 30.0 ft	kg lb														*5940 *13,200	*5940 *13,200	7.95 25.56
7.5 m 25.0 ft	kg lb											*10 140 *22,480	9020 20,460	5.92 19.11	*5600 *12,350	*5600 *12,350	9.20 29.92
6.0 m 20.0 ft	kg lb							*9850 *21,450	8520 18,150			*9740 *21,500	6790 15,190	6.85 22.32	*5540 *12,200	4770 10,650	9.97 32.59
4.5 m 15.0 ft	kg lb			*17 600 *37,700	*17 600 *37,700	*13 030 *28,100	12 510 26,900	*10 650 *23,100	8240 17,650			*9630 *21,230	5660 12,550	7.41 24.26	*5680 *12,500	4140 9,200	10.40 34.07
3.0 m 10.0 ft	kg lb			*21 460 *46,050	18 270 39,450	*14 880 *32,100	11 590 24,950	*11 610 *25,100	7830 16,800	*9650 *20,950	5370 11,400	*9670 *21,310	5090 11,240	7.68 25.19	*6010 *13,200	3860 8,500	10.54 34.57
1.5 m 5.0 ft	kg lb			*19 450 *47,400	16 790 36,200	*16 240 *35,050	10 810 23,250	*12 380 *26,750	7430 15,950	9730 20,800	5200 11,050	9500 20,940	4920 10,850	7.68 25.21	*6550 *14,400	3860 8,500	10.40 34.14
Ground Line	kg lb			*23 080 *50,100	16 370 35,150	*16 710 *36,150	10 350 22,250	*12 680 *27,400	7150 15,350			*9920 *21,870	5130 11,320	7.41 24.32	*7390 *16,300	4160 9,200	9.98 32.75
-1.5 m -5.0 ft	kg lb	*16 420 *37,300	*16 420 *37,300	*21 650 *47,000	16 450 35,300	*16 160 *34,950	10 220 21,950	*12 220 *26,300	7050 15,150			*9950 *21,940	5840 12,910	6.85 22.45	*7840 *17,250	4920 10,900	9.24 30.25
-3.0 m -10.0 ft	kg lb	*23 670 *52,100	*23 670 *52,100	*18 960 *41,050	16 850 36,150	*14 360 *30,900	10 380 22,300	*10 360 2200				*9640 *21,200	7440 16,570	5.94 19.35			
-4.5 m -15.0 ft	kg lb			*14 260 *30,400	*14 260 *30,400	*10 290 *21,300	*10 290 *21,300					*8100 *19,220	*8100 *19,220	4.49 13.75			

* Limited to hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity rating standard ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. All lifts with heavy lift on.



Load Point
Height



Load Radius
Over Front



Load Radius
Over Side



Load at Maximum
Reach – Bucket Curled



Load at
Maximum Reach

BOOM – 6.55 m (21'6")
STICK – 3.0 m (9'10")

BUCKET – UB 75 HDR V-edge – 3062 kg (6,752 lb)
SHOES – 900 mm (36") triple grouser

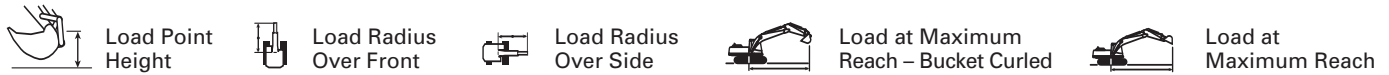
UNDERCARRIAGE – Long – fixed gauge
COUNTERWEIGHT – 9000 kg (19,842 lb)

		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			m ft
9.0 m 30.0 ft	kg lb														*4420 *9,850	*4420 *9,850	8.58 27.70
7.5 m 25.0 ft	kg lb							*8700 *19,150	*8700 18,450			*7330 *16,250	*7330 *16,250	6.48 20.98	*4150 *9,200	*4150 *9,200	9.73 31.68
6.0 m 20.0 ft	kg lb							*9100 *19,800	8650 18,450			*7070 *15,590	5960 13,330	7.35 23.97	*4100 *9,050	*4100 *9,050	10.45 34.18
4.5 m 15.0 ft	kg lb					*12 100 *26,100	*12 100 *26,100	*9990 *21,650	8320 17,800	*8730 *19,000	5570 11,800	*7180 *15,790	5000 11,100	7.88 25.80	*4220 *9,250	3700 8,200	10.86 35.58
3.0 m 10.0 ft	kg lb			*20 100 *43,150	18 890 40,750	*14 090 *30,400	11 750 25,300	*11 050 *23,900	7870 16,850	*9230 *20,000	5380 11,450	*7610 *16,730	4510 9,960	8.14 26.68	*4480 *9,850	3440 7,600	10.99 36.06
1.5 m 5.0 ft	kg lb			*22 730 *49,050	17 170 36,950	*15 700 *33,900	10 890 23,400	*11 970 *25,850	7410 15,900	*9660 *20,750	5170 11,000	*8420 *18,520	4340 9,580	8.14 26.70	*4920 *10,850	3420 7,550	10.86 35.65
Ground Line	kg lb			*23 280 *50,400	16 430 35,300	*16 500 *35,650	10 330 22,200	*12 470 *26,950	7080 15,150	9510 20,400	5000 10,650	8920 19,650	4500 9,920	7.88 25.86	*5610 *12,350	3660 8,050	10.47 34.34
-1.5 m -5.0 ft	kg lb	*15 550 *35,250	*15 550 *35,250	*22 350 *48,450	16 310 35,000	*16 310 *35,250	10 090 21,650	*12 310 *26,550	6910 14,800			*9270 *20,430	5060 11,180	7.35 24.09	*6690 *14,800	4270 9,450	9.77 32.00
-3.0 m -10.0 ft	kg lb	*23 630 *52,150	*23 630 *52,150	*20 130 *43,550	16 560 35,550	*14 970 *32,250	10 150 21,800	*11 100 *23,700	6960 14,950			*9180 *20,200	6290 14,000	6.50 21.21			
-4.5 m -15.0 ft	kg lb	*21 330 *45,800	*21 330 *45,800	*16 150 *34,550	*16 150 *34,550	*11 900 *25,150	10 510 22,650					*8360 *18,260	*8360 *18,260	5.18 16.74			

* Limited to hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity rating standard ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. All lifts with heavy lift on. Always refer to the appropriate Operation and Maintenance Manual for specific product information.

345D L Hydraulic Excavator

Long Reach Boom Lift Capacities



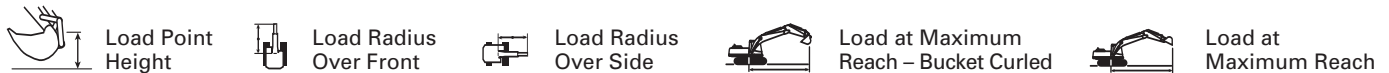
BOOM – 7.4 m (24'3")
STICK – 4.3 m (14'1")

BUCKET – GP-C 2.36 yd³ – 1820 kg (4,013 lb)
SHOES – 900 mm (36") triple grouser

UNDERCARRIAGE – Long – fixed gauge
COUNTERWEIGHT – 9000 kg (19,842 lb)

		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft							
														m ft			m ft
9.0 m 30.0 ft	kg lb							*6510 *12,850	*6510 *12,850			*5660 *12,550	*5660 *12,550	7.87 25.44	*3850 *8,500	*3850 *8,500	10.95 35.60
7.5 m 25.0 ft	kg lb							*7170 *15,700	*7170 15,500			*5460 *12,050	*5460 *12,050	8.84 28.79	*3790 *8,350	*3790 *8,350	11.79 38.49
6.0 m 20.0 ft	kg lb							*7600 *16,550	7090 15,200	*7140 *14,250	5120 10,900	*5460 *12,030	4670 10,400	9.51 31.08	*3830 *8,450	3680 8,200	12.34 40.41
4.5 m 15.0 ft	kg lb					*9380 *20,300	*9380 *20,300	*8260 *17,950	6810 14,600	*7520 *16,400	4990 10,650	*5630 *12,390	4160 9,220	9.93 32.54	*3980 *8,750	3350 7,400	12.66 41.52
3.0 m 10.0 ft	kg lb	*18 670 *40,050	*18 670 *40,050	*13 400 *28,900	12 810 27,600	*10 680 *23,100	8900 19,150	*9040 *19,600	6470 13,900	*7950 *17,300	4800 10,250	*5970 *13,140	3870 8,550	10.14 33.25	*4220 *9,300	3180 7,000	12.77 41.89
1.5 m 5.0 ft	kg lb	*22 210 *47,850	18 180 39,200	*15 420 *33,300	11 790 25,400	*11 890 *25,750	8320 17,900	*9780 *21,200	6130 13,150	8160 17,500	4600 9,850	*6520 *14,340	3750 8,270	10.14 33.26	*4580 *10,100	3140 6,950	12.67 41.57
Ground Line	kg lb	*18 730 *43,400	17 090 36,750	*16 750 *36,200	11 050 23,800	*12 800 *27,700	7860 16,900	10 300 22,150	5840 12,500	7970 17,100	4430 9,500	7080 15,620	3800 8,380	9.93 32.58	*5110 *11,250	3250 7,150	12.35 40.52
-1.5 m -5.0 ft	kg lb	*20 680 *47,400	16 670 35,800	*17 250 *37,350	10 640 22,900	*13 230 *28,650	7550 16,250	10 080 21,650	5640 12,100	7850 16,850	4320 9,250	7510 16,570	4040 8,920	9.51 31.17	*5870 *13,000	3520 7,750	11.81 38.70
-3.0 m -10.0 ft	kg lb	*22 870 *49,550	16 650 35,750	*16 920 *36,600	10 500 22,600	*13 090 *28,300	7420 15,950	9990 21,450	5550 11,900	7840	4300	8350 18,490	4540 10,060	8.85 28.94	*7050 *15,650	4050 9,000	10.99 35.97
-4.5 m -15.0 ft	kg lb	*20 820 *44,950	16 890 36,300	*15 720 *33,900	10 580 22,750	*12 200 *26,250	7450 16,050	*9480 *20,200	5600 12,050			*8530 *18,800	5490 12,240	7.89 25.71			
-6.0 m -20.0 ft	kg lb	*17 440 *37,350	17 380 *37,350	*13 350 *28,500	10 870 23,400	*10 160 *21,450	7680 16,600					*8310 *18,230	7430 16,790	6.53 21.09			

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BOOM – 7.4 m (24'3")
STICK – 3.9 m (12'10")

BUCKET – GP-C 2.36 yd³ – 1820 kg (4,013 lb)
SHOES – 900 mm (36") triple grouser

UNDERCARRIAGE – Long – fixed gauge
COUNTERWEIGHT – 9000 kg (19,842 lb)

		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft							
														m ft			m ft
9.0 m 30.0 ft	kg lb											*6680 *14,820	*6680 *14,820	7.40 23.91	*4610 *10,200	*4610 *10,200	10.54 34.25
7.5 m 25.0 ft	kg lb							*7760 *17,050	7260 15,500			*6440 *14,220	6090 13,640	8.43 27.43	*4530 *10,000	*4530 *10,000	11.42 37.27
6.0 m 20.0 ft	kg lb							*8150 *17,800	7120 15,250			*6450 *14,200	5160 11,470	9.13 29.82	*4580 *10,100	3980 8,850	12.00 39.26
4.5 m 15.0 ft	kg lb					*10 020 *21,700	9490 20,400	*8790 *19,100	6870 14,750	*7980 *17,400	5070 10,800	*6650 *14,630	4600 10,180	9.56 31.33	*4740 *10,400	3630 8,050	12.33 40.40
3.0 m 10.0 ft	kg lb	*20 080 *43,100	19 830 42,800	*14 240 *30,700	12 740 27,450	*11 290 *24,400	8930 19,250	*9530 *20,650	6550 14,050	*8370 *18,150	4900 10,500	*7060 *15,530	4280 9,460	9.78 32.06	*5010 *11,000	3450 7,600	12.43 40.79
1.5 m 5.0 ft	kg lb	*19 350 *46,100	18 030 38,900	*16 130 *34,800	11 800 25,450	*12 430 *26,900	8400 18,100	*10 210 *22,150	6240 13,400	8280 17,750	4730 10,100	7520 16,570	4160 9,180	9.78 32.08	*5420 *11,900	3420 7,550	12.33 40.45
Ground Line	kg lb	*17 660 *40,900	17 180 36,950	*17 260 *37,300	11 160 24,050	*13 230 *28,600	7990 17,200	10 440 22,450	5980 12,850	8120 17,450	4580 9,800	7670 16,910	4230 9,320	9.56 31.37	*6010 *13,250	3540 7,800	12.00 39.37
-1.5 m -5.0 ft	kg lb	*20 910 *47,900	16 930 36,350	*17 530 *37,950	10 840 23,300	*13 520 *29,250	7730 16,650	10 250 22,050	5810 12,500	8030 17,250	4500 9,650	8160 18,020	4510 9,960	9.13 29.92	*6880 *15,200	3860 8,550	11.44 37.49
-3.0 m -10.0 ft	kg lb	*22 620 *49,000	17 000 36,500	*16 970 *36,700	10 760 23,150	*13 200 *28,500	7640 16,450	10 200 21,950	5760 12,400			*8970 *19,780	5100 11,300	8.44 27.60	*7450 *16,400	4470 9,900	10.59 34.65
-4.5 m -15.0 ft	kg lb	*20 240 *43,700	17 300 37,200	*15 490 *33,400	10 880 23,450	*12 070 *25,900	7720 16,650					*8990 *19,800	6230 13,900	7.44 24.21			
-6.0 m -20.0 ft	kg lb	*16 430 *35,100	*16 430 *35,100	*12 710 *27,000	11 230 24,200	*9510 *19,850	8010 17,300					*8530 *18,650	*8530 *18,650	5.99 19.30			

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345D L Hydraulic Excavator

Long Reach Boom Lift Capacities



Load Point
Height



Load Radius
Over Front



Load Radius
Over Side



Load at Maximum
Reach – Bucket Curled



Load at
Maximum Reach

BOOM – 7.4 m (24'3")
STICK – 4.3 m (14'1")

BUCKET – GP-C 2.36 yd³ – 1820 kg (4,013 lb)
SHOES – 900 mm (36") triple grouser

UNDERCARRIAGE – Long – variable gauge
COUNTERWEIGHT – 9000 kg (19,842 lb)

		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft							
														m ft			m ft
9.0 m 30.0 ft	kg lb							*6760 *13,550	*6760 *13,550			*5630 *12,480	*5630 *12,480	7.98 30.81	*3840 *8,500	*3840 *8,500	11.04 35.92
7.5 m 25.0 ft	kg lb							*7200 *15,750	*7200 *15,750			*5450 *12,030	*5450 *12,030	8.92 33.96	*3790 *8,350	*3790 *8,350	11.85 38.71
6.0 m 20.0 ft	kg lb							*7650 *16,700	*7650 *16,700	*7200 *14,700	5740 12,200	*5470 *12,040	5220 11,610	9.56 36.13	*3840 *8,450	*3840 *8,450	12.39 40.55
4.5 m 15.0 ft	kg lb					*9500 *20,550	*9500 *20,550	*8330 *18,100	7550 16,200	*7560 *16,450	5600 11,950	*5660 *12,440	4710 10,420	9.96 37.51	*4000 *8,800	3820 8,450	12.68 41.58
3.0 m 10.0 ft	kg lb	*19 080 *40,950	*19 080 *40,950	*13 610 *29,350	*13 610 *29,350	*10 800 *23,350	9830 21,150	*9110 *19,750	7200 15,450	*7990 *17,350	5400 11,550	*6010 *13,230	4420 9,760	10.15 38.18	*4250 *9,350	3660 8,050	12.77 41.89
1.5 m 5.0 ft	kg lb	*22 400 *48,400	20 250 43,600	*15 580 *33,650	13 070 28,150	*12 000 *25,950	9250 19,900	*9840 *21,300	6860 14,700	*8410 *18,250	5200 11,150	*6580 *14,490	4320 9,520	10.13 38.17	*4630 *10,200	3640 8,000	12.64 41.50
Ground Line	kg lb	*18 750 *43,350	*18 750 41,300	*16 830 *36,400	12 350 26,600	*12 860 *27,850	8790 18,900	*10 390 *22,500	6570 14,100	8330 17,900	5040 10,800	*7440 *16,400	4400 9,690	9.90 37.50	*5170 *11,400	3770 8,300	12.31 40.38
-1.5 m -5.0 ft	kg lb	*21 030 *48,150	18 840 40,450	*17 250 *37,350	11 970 25,750	*13 250 *28,650	8500 18,300	10 520 22,600	6380 13,700	8220 17,650	4930 10,600	*7940 *17,530	4690 10,350	9.45 36.11	*5970 *13,200	4100 9,050	11.74 38.48
-3.0 m -10.0 ft	kg lb	*22 720 *49,200	18 840 40,450	*16 850 *36,450	11 840 25,450	*13 040 *28,150	8380 18,050	*10 360 *22,300	6300 13,550			*8440 *18,620	5280 11,690	8.77 33.93	*7170 *15,800	4710 10,450	10.90 35.65
-4.5 m -15.0 ft	kg lb	*20 550 *44,400	19 110 41,050	*15 550 *33,500	11 940 25,700	*12 070 *25,950	8430 18,150	*9330 *19,850	6370 13,750			*8530 *18,790	6390 14,250	7.78 30.77			
-6.0 m -20.0 ft	kg lb	*17 020 *36,400	*17 020 *36,400	*13 030 *27,750	12 260 26,400	*9860 *20,750	8690 18,750					*8250 *18,080	*8250 *18,080	6.37 26.29			

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