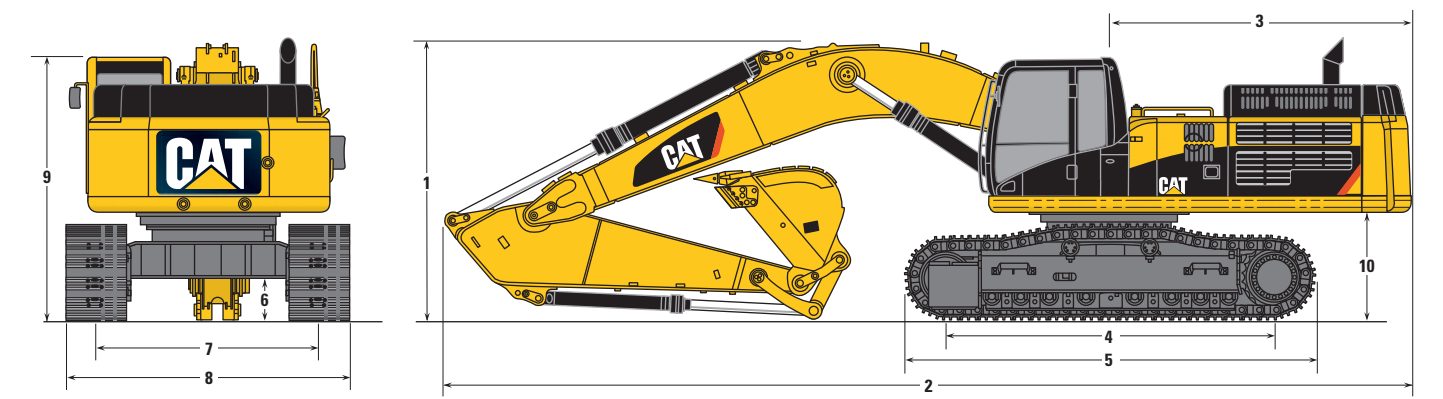


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Dimensions

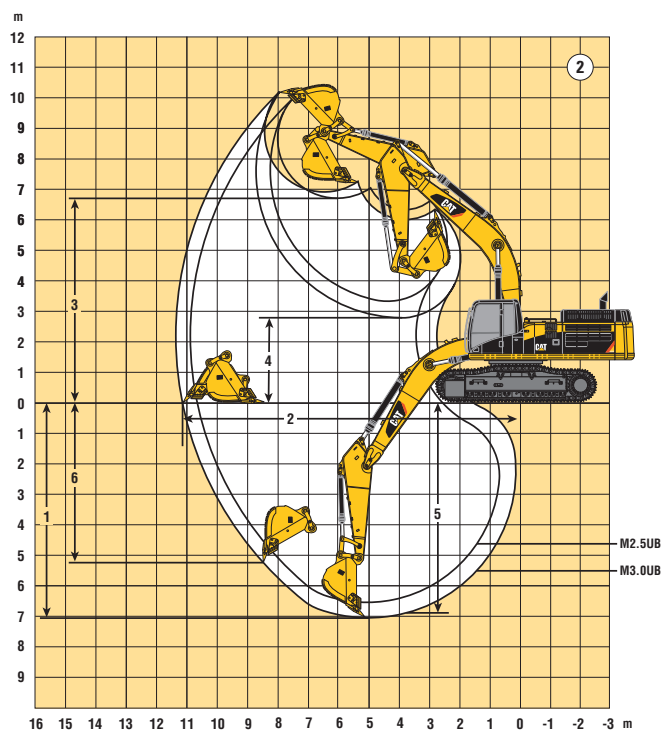
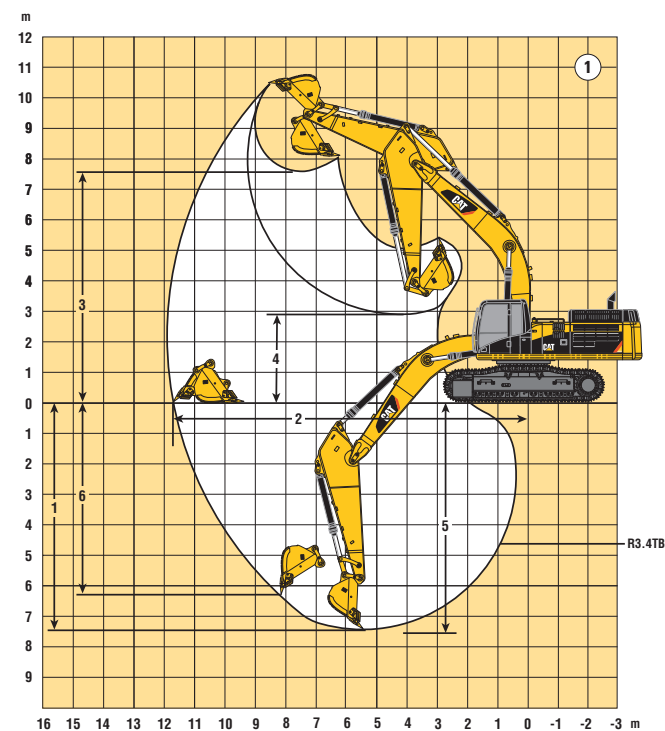
All dimensions are approximate.



	Heavy Duty (HD) Reach Boom	Mass Excavation (ME) Boom	
Boom	6900 mm	6550 mm	
Stick	3350 mm	2500 mm	3000 mm
1 Shipping Height			
Fixed Gauge Undercarriage	3550 mm	3970 mm	3990 mm
Variable Gauge Undercarriage	3520 mm	3990 mm	N/A
2 Shipping Length			
Fixed Gauge Undercarriage	11 840 mm	11 640 mm	11 550 mm
Variable Gauge Undercarriage	11 520 mm	11 600 mm	N/A
Undercarriage	Fixed Gauge	Variable Gauge	
3 Tail Swing Radius	3770 mm	3770 mm	
4 Length to Center of Rollers	4340 mm	4340 mm	
5 Track Length	5370 mm	5330 mm	
6 Ground Clearance	510 mm	760 mm	
7 Track Gauge	2740 mm	2390/2890 mm	
8 Track Width			
600 mm Shoes	3340 mm	2990/3490 mm	
750 mm Shoes	3490 mm	3140/3640 mm	
9 Cab Height	3210 mm	3360 mm	
10 Counterweight Clearance	1320 mm	1470 mm	

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Working Ranges

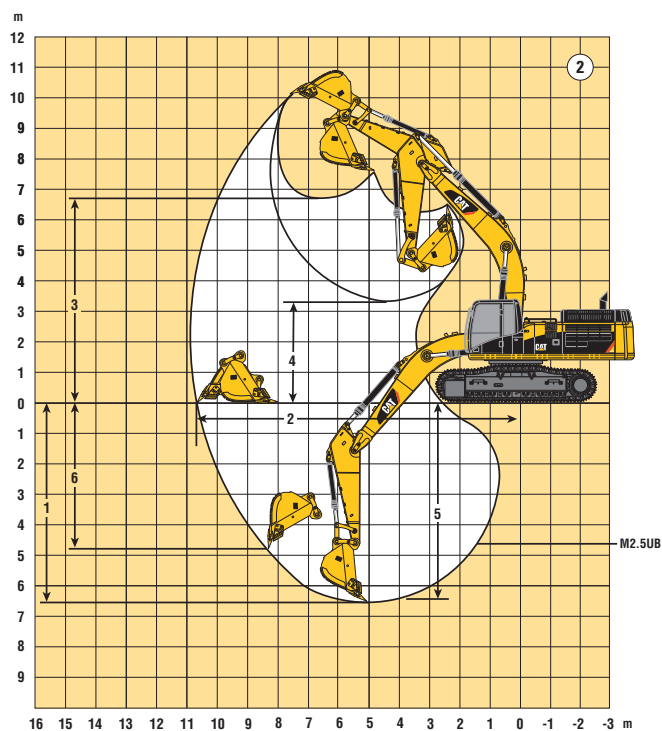
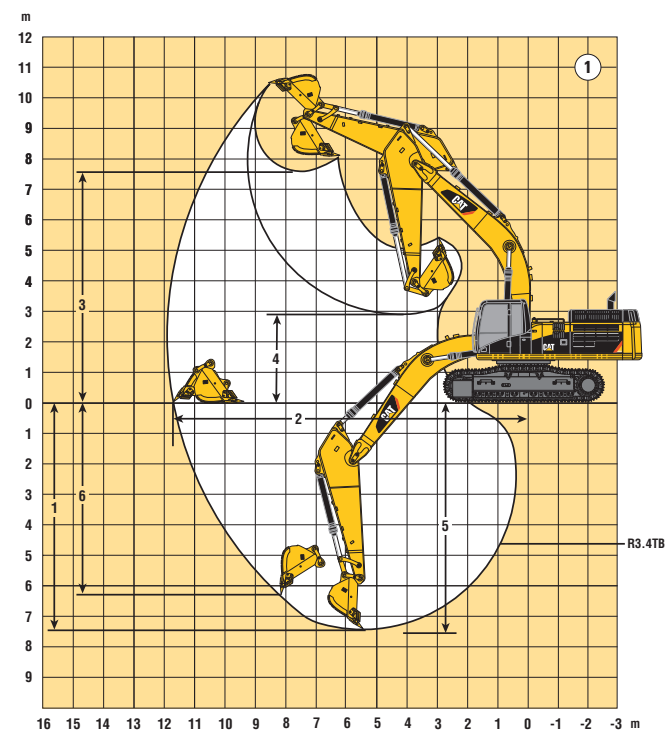


Fixed Gauge Undercarriage

	1		2	
	Heavy Duty (HD) Reach Boom 6900 mm		Mass Excavation (ME) Boom 6550 mm	
	R3.4TB		M2.5UB	M3.0UB
Stick Length	3350 mm		2500 mm	3000 mm
1 Maximum Digging Depth	7600 mm		6720 mm	7220 mm
2 Maximum Reach at Ground Level	11 660 mm		10 710 mm	11 180 mm
3 Maximum Loading Height	7470 mm		6620 mm	6810 mm
4 Minimum Loading Height	2800 mm		3160 mm	2660 mm
5 Maximum Digging Depth 2440 mm Level Bottom	7460 mm		6550 mm	7070 mm
6 Maximum Vertical Wall Digging Depth	6300 mm		4920 mm	5380 mm
Bucket Capacity	1.9 m ³		2.4 m ³	2.2 m ³
Bucket Digging Force (ISO)	266 kN		297 kN	297 kN
Stick Digging Force (ISO)	202 kN		240 kN	211 kN

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Working Ranges



Variable Gauge Undercarriage

	①	②
	Heavy Duty (HD) Reach Boom 6900 mm R3.4TB	Mass Excavation (ME) Boom 6550 mm M2.5UB
Stick Length	3350 mm	2500 mm
1 Maximum Digging Depth	7500 mm	6570 mm
2 Maximum Reach at Ground Level	11 680 mm	10 680 mm
3 Maximum Loading Height	7570 mm	6770 mm
4 Minimum Loading Height	2910 mm	3300 mm
5 Maximum Digging Depth 2440 mm Level Bottom	7350 mm	6400 mm
6 Maximum Vertical Wall Digging Depth	6310 mm	4780 mm
Bucket Capacity	2.1 m ³	2.6 m ³
Bucket Digging Force (ISO)	263 kN	297 kN
Stick Digging Force (ISO)	201 kN	240 kN

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349D L Bucket Specifications and Compatibility

						Fixed Gauge			Variable Gauge		
	Linkage	Width	Capacity	Weight	Fill	ME Boom		HD Reach Boom	ME Boom	HD Reach Boom	
		mm	m³	kg	%	M2.5m	M3.0m	R3.4m	M2.5m	R3.4m	
Without Quick Coupler											
General Duty (GD)	TB	1370	1.87	1755	100%			●		●	
	UB	1450	2.39	2324	100%	●	⊙				
	UB	1550	2.61	2418	100%	⊙	⊖				
	UB	2000	3.60	2900	100%	○	◇		⊖		
Heavy Duty (HD)	TB	1050	1.34	1684	100%			●		●	
	TB	1200	1.60	1834	100%			●		●	
	TB	1350	1.87	1974	100%			●		●	
	TB	1500	2.41	2065	100%			⊙		●	
	TB	1650	2.41	2210	100%			⊙		●	
	TB	1650	2.41	2286	100%			⊙		●	
	TB	1800	2.69	2423	100%			⊖		⊙	
	TB	1850	2.78	2420	100%			⊖		⊙	
	UB	1650	2.77	2581	100%	⊙	⊖		●		
	UB	1850	3.19	2741	100%	⊖	○		⊙		
	UB	1950	3.43	2898	100%	○	◇		⊖		
	Severe Duty (SD)	TB	1050	1.34	1779	90%			●		●
		TB	1200	1.60	1952	90%			●		●
TB		1400	1.87	2180	90%			●		●	
TB		1550	2.14	2340	90%			●		●	
TB		1550	2.14	2381	90%			●		●	
TB		1700	2.41	2524	90%			⊙		●	
TB		1700	2.41	2513	90%			⊙		●	
TB		1850	2.69	2726	90%			⊖		⊙	
TB		1900	2.78	2716	90%			⊖		⊙	
UB		1450	2.39	2540	90%	●	⊙		●		
UB		1550	2.61	2648	90%	●	⊙		●		
UB		1650	2.77	2729	90%	⊙	⊖		●		
UB		1850	3.21	2987	90%	⊖	○		⊙		
UB		1950	3.43	3058	90%	⊖	○		⊙		
Extreme Duty (XD)	TB	1250	1.60	2224	90%			●		●	
	TB	1400	1.87	2366	90%			●		●	
	UB	1550	2.61	3091	90%	⊙	⊖		●		
	UB	1650	2.77	3192	90%	⊙	⊖		●		
Maximum load pin-on (payload + bucket)					kg	7480	6770	6520	8470	7310	

						Fixed Gauge			Variable Gauge		
	Linkage	Width	Capacity	Weight	Fill	ME Boom		HD Reach Boom	ME Boom	HD Reach Boom	
		mm	m³	kg	%	M2.5	M3.0	R3.35 HD	M2.5	R2.9 HD	R3.35 HD
With Quick Coupler (CW55)											
Heavy Duty (HD)	TB	1650	2.41	2196	100%			⊖		●	⊙
	UB	1650	2.77	2479	100%	⊖	○		⊙		
	UB	1850	3.19	2663	100%	○	◇		⊖		
Severe Duty (SD)	UB	1550	2.61	2570	90%	⊙	⊖		●		
	UB	1650	2.77	2655	90%	⊖	○		●		
Extreme Duty (XD)	UB	1550	2.61	3087	90%	⊖	○		⊙		
Maximum load with coupler (payload + bucket)					kg	6640	5930	5760	7630	7070	6550

Maximum Material Density:

- 2100 kg/m³
- ⊙ 1800 kg/m³
- ⊖ 1500 kg/m³
- 1200 kg/m³
- ◇ 900 kg/m³

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.

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Machine and Major Component Weights

Actual weights and ground pressures will depend on final machine configuration.

		Heavy Duty (HD) Reach Boom 6900 mm		Mass Excavation (ME) Boom 6550 mm		
Stick Type		R3.4TB		M2.5UB	M3.0UB	
Stick Length	mm	3350		2500		3000
Gauge		FG	VG	FG	VG	FG
Bucket Weight	kg	1812	1812	2326	2398	2238
Bucket Capacity	m³	2.0	2.0	2.4	2.6	2.2
Bucket Width/Type	mm	1628	1628	1729	1829	1600
Operating Weight*						
600 mm Shoes	kg	45 052	49 340	45 667	49 699	45 760
750 mm Shoes	kg	45 803	50 124	46 418	50 483	46 511
Counterweight	kg	8100	9000	8100	9000	8100
Stick Weight (with bucket cylinder)	kg	1994	1994	2189	2189	2370
Boom Weight (with stick cylinder)	kg	4594			4602	
Boom Cylinders (pair)	kg	804			804	
Upper structure**	kg	20 275			20 275	
Undercarriage						
600 mm Shoes	kg	15 039	17 794	15 039	17 794	15 039

FG Fixed Gauge, VG Variable Gauge
*With counterweight, operator and full fuel
**Without counterweight

349D L Hydraulic Excavator

Reach (R) Boom Lift Capacities



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

Boom – 6900 mm

Stick – 3.4 m

Bucket – None

Shoes – 600 mm

Undercarriage – Long – Fixed Gauge

Heavy Lift – ON

		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
														m
9.0 m	kg											*9050	*9050	7.3
7.5 m	kg							*10 950	10 750			*8500	*8500	8.48
6.0 m	kg							*11 450	10 500	*10 700	7750	*8350	7350	9.27
4.5 m	kg			*19 050	*19 050	*14 650	14 150	*12 350	10 100	*11 050	7600	*8450	6600	9.76
3.0 m	kg			*23 350	20 000	*16 700	13 250	*13 450	9650	*11 600	7350	*8800	6200	10.01
1.5 m	kg			*18 600	*18 600	*18 300	12 550	*14 400	9200	11 500	7100	*9400	6100	10.02
Ground Line	kg			*21 000	18 350	*19 000	12 100	14 800	8950	11 300	6950	10 050	6200	9.79
–1.5 m	kg	*14 950	*14 950	*24 700	18 300	*18 700	11 950	14 650	8800	11 250	6900	10 700	6600	9.32
–3.0 m	kg	*23 850	*23 850	*22 400	18 500	*17 400	12 000	*13 700	8800			*11 250	7450	8.56
–4.5 m	kg	*23 500	*23 500	*18 650	*18 650	*14 600	12 250					*10 950	9200	7.42

Boom – 6900 mm

Stick – 3.4 m

Bucket – None

Shoes – 600 mm

Undercarriage – Long – Variable Gauge

Heavy Lift – ON

		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m	
															
9.0 m	kg												*8950	*8950	7.45
7.5 m	kg							*10 950	*10 950				*8450	*8450	8.58
6.0 m	kg							*11 500	11 000	*10 750	8150		*8350	7650	9.34
4.5 m	kg			*19 500	*19 500	*14 850	*14 850	*12 500	10 600	*11 100	7950		*8500	6900	9.80
3.0 m	kg			*23 750	21 150	*16 900	13 950	*13 550	10 150	*11 650	7750		*8850	6550	10.02
1.5 m	kg			*18 500	*18 500	*18 400	13 250	*14 450	9700	11 400	7500		*9500	6450	10.00
Ground Line	kg			*21 550	19 650	*19 000	12 850	14 700	9450	11 250	7350		10 000	6550	9.76
–1.5 m	kg	*15 850	*15 850	*24 500	19 650	*18 650	12 700	14 550	9300	11 200	7300		10 750	7050	9.26
–3.0 m	kg	*24 900	*24 900	*22 100	19 850	*17 200	12 800	*13 500	9350				*11 250	8000	8.46
–4.5 m	kg	*22 750	*22 750	*18 100	*18 100	*14 200	13 100						*10 850	10 050	7.27

*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 105467:2007. 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.

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Mass Excavation (ME) Boom Lift Capacities



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

Boom – 6550 mm

Stick – 2.5 m

Bucket – None

Shoes – 600 mm

Undercarriage – Long – Fixed Gauge

Heavy Lift – ON

		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
														
7.5 m	kg											*12 850	11 800	7.10
6.0 m	kg					*14 100	*14 100	*12 650	10 650			*12 450	9500	8.03
4.5 m	kg			*20 850	*20 850	*15 750	14 450	*13 300	10 350			*12 300	8350	8.60
3.0 m	kg					*17 550	13 650	*14 150	9950			*12 350	7750	8.87
1.5 m	kg					*18 750	13 050	*14 800	9600			12 300	7550	8.88
Ground Line	kg			*24 100	19 350	*18 950	12 700	*14 900	9350			*12 600	7750	8.63
–1.5 m	kg	*18 150	*18 150	*23 300	19 400	*18 100	12 650	*14 150	9350			*12 650	8450	8.09
–3.0 m	kg	*24 100	*24 100	*20 100	19 700	*15 800	12 800					*12 400	10 050	7.20
–4.5 m	kg			*14 500	*14 500							*11 000	*11 000	5.79

Boom – 6550 mm

Stick – 2.5 m

Bucket – None

Shoes – 600 mm

Undercarriage – Long – Variable Gauge

Heavy Lift – ON

		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
														
7.5 m	kg											*12 750	12 100	7.22
6.0 m	kg					*14 250	*14 250	*12 700	11 250			*12 400	9850	8.11
4.5 m	kg			*21 300	*21 300	*15 950	15 250	*13 400	10 900			*12 300	8700	8.64
3.0 m	kg					*17 700	14 400	*14 200	10 450			*12 350	8150	8.89
1.5 m	kg					*18 800	13 800	*14 850	10 150			12 250	8000	8.87
Ground Line	kg			*25 000	20 750	*18 950	13 500	*14 900	9900			*12 600	8250	8.59
–1.5 m	kg	*19 800	*19 800	*23 050	20 850	*17 950	13 450	*14 000	9900			*12 650	9100	8.02
–3.0 m	kg	*23 550	*23 550	*19 650	*19 650	*15 450	13 650					*12 350	10 950	7.08
–4.5 m	kg											*11 850	*11 850	5.23

Boom – 6550 mm

Stick – 3.0 m

Bucket – None

Shoes – 600 mm

Undercarriage – Long – Fixed Gauge

Heavy Lift – ON

		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
														
7.5 m	kg							*11 650	11 050			*10 050	*10 050	7.67
6.0 m	kg							*11 900	10 900			*9800	8750	8.53
4.5 m	kg			*19 200	*19 200	*14 850	14 850	*12 650	10 550		7850	*9900	7750	9.07
3.0 m	kg			*23 350	21 100	*16 800	13 950	*13 600	10 100	*11 800	7650	*10 350	7250	9.33
1.5 m	kg			*23 000	19 900	*18 250	13 250	*14 400	9700	*12 100	7450	*11 100	7050	9.34
Ground Line	kg			*25 600	19 500	*18 850	12 800	*14 800	9400	*12 000	7350	*11 850	7250	9.10
–1.5 m	kg	*17 950	*17 950	*24 200	19 450	*18 350	12 650	*14 400	9300			*11 950	7800	8.59
–3.0 m	kg	*27 600	*27 600	*21 450	19 650	*16 600	12 750	*12 650	9400			*11 900	9050	7.76
–4.5 m	kg			*16 750	*16 750	*12 700	*12 700					*11 200	*11 200	6.47

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load.

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