



345 GC

Hydraulic Excavator

Technical Specifications

Configurations and features may vary by region. Please consult your Cat® dealer for availability in your area.

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345 GC Hydraulic Excavator Specifications

Engine

Engine Model	Cat® C9.3B	
Net Power – ISO 9249	258 kW	346 hp
Engine Power – ISO 14396	259 kW	347 hp
Bore	115 mm	5 in
Stroke	149 mm	6 in
Displacement	9.3 L	568 in ³
Biodiesel capability	Up to B20 ⁽¹⁾	

- Meets U.S. EPA Tier 3 and EU Stage IIIA equivalent emission standards.
- Recommended for use up to 3300 m (10,830 ft) altitude with engine power derate above 2300 m (7,550 ft).
- Net power is tested per ISO 9249. Standards in effect at the time of manufacture.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.
- Rated speed at 1,900 rpm.

⁽¹⁾Cat engines are compatible with the following renewable, alternative, and bio-fuels* with lower greenhouse gas emission impact:

- ✓ Up to B20 biodiesel (FAME)**
- ✓ Up to 100% HVO and GTL renewable fuels

*Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details.

**For use of blends up to B100, consult your Cat dealer.

Swing Mechanism

Swing Speed	8.27 rpm	
Maximum Swing Torque	155 kN·m	114,543 lbf·ft

Weights

Operating Weight	43 200 kg	95,200 lb
• Mass boom, M2.55UB (8'4") stick, SDV 2.77 m ³ (3.62 yd ³) bucket, 600 mm (24") double grouser shoes, 9.0 mt (19,842 lb) counterweight.		

Track

Standard Track Shoes Width	600 mm	24 in
Optional Track Shoes Width	700 mm	28 in
Number of Shoes (each side)	49	
Number of Track Rollers (each side)	8	
Number of Carrier Rollers (each side)	2	

Drive

Gradeability	35°/70%	
Maximum Travel Speed	5.2 km/h	3.2 mph
Maximum Drawbar Pull	292 kN	65,532 lbf

Hydraulic System

Main System – Maximum Flow – Implement	630 L/min (315 L/min × 2 pumps)	166 gal/min (83 gal/min × 2 pumps)
Maximum Pressure – Equipment – Implement	35 000 kPa	5,076 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	28 000 kPa	4,061 psi
Boom Cylinder – Bore	160 mm	6 in
Boom Cylinder – Stroke	1392 mm	55 in
Stick Cylinder – Bore	180 mm	7 in
Stick Cylinder – Stroke	1758 mm	69 in
TB Bucket Cylinder – Bore	150 mm	6 in
TB Bucket Cylinder – Stroke	1356 mm	53 in
UB Bucket Cylinder – Bore	160 mm	6 in
UB Bucket Cylinder – Stroke	1396 mm	55 in

Service Refill Capacities

Fuel Tank Capacity	600 L	158.5 gal
Cooling System	40 L	10.5 gal
Engine Oil (with filter)	32 L	8.5 gal
Swing Drive	13.5 L	3.6 gal
Final Drive (each)	8 L	2.1 gal
Hydraulic System (including tank)	423 L	111.7 gal
Hydraulic Tank (including suction pipe)	186 L	49.1 gal

Standards

Brakes	ISO 10265:2008
Cab/ROPS	ISO 12117-2:2008

Sound Performance

ISO 6395:2008 (external)	107 dB(A)
ISO 6396:2008 (inside cab)	73 dB(A)

- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in a noisy environment.

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Operating Weights and Ground Pressures

	600 mm (24") Double Grouser Shoes				700 mm (28") Triple Grouser Shoes				
	Weight		Ground Pressure		Weight		Ground Pressure		
9.0 mt (19,842 lb) Counterweight + Base Machine									
Reach Boom + R3.35TB (11'0") Stick + 2.41 m³ (3.15 yd³) HD Bucket	42 200 kg	93,100 lb	78.7 kPa	11.4 psi	41 800 kg	92,200 lb	66.8 kPa	9.7 psi	
Mass Boom + M3.0UB (9'10") Stick + 2.77 m³ (3.62 yd³) SDV Bucket	43 300 kg	95,500 lb	80.7 kPa	11.7 psi	42 900 kg	94,600 lb	68.5 kPa	9.9 psi	
Mass Boom + M2.55UB (8'4") Stick + 2.77 m³ (3.62 yd³) SDV Bucket	43 200 kg	95,200 lb	80.4 kPa	11.7 psi	42 800 kg	94,300 lb	68.3 kPa	9.9 psi	

All operating weights include a 90% fuel tank with 75 kg (165 lb) operator.

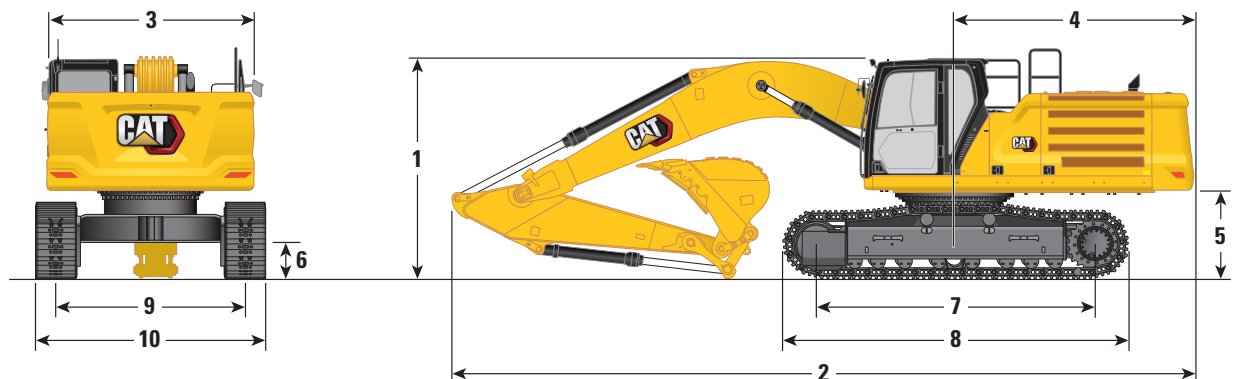
Major Component Weights

	kg	lb
Base machine with 9.0 mt (19,842 lb) counterweight, swing frame, two boom cylinders, and SD or HD track rollers and carrier rollers	28 110	61,970
Track Shoes:		
600 mm (24") Width, 15.5 mm (0.61") Thick, Double Grouser Track Shoes	4850	10,700
700 mm (28") Width, 11 mm (0.43") Thick, Triple Grouser Track Shoes	4440	9,790
Two Boom Cylinders	790	1,740
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	550	1,210
Counterweight:		
9.0 mt Counterweight	8990	19,842
Swing Frame:		
Swing Frame	3730	8,220
Undercarriage:		
Base Frame with SD or HD Track Rollers and Carrier Rollers	8890	19,590
Booms (including lines, pins, stick cylinder):		
Reach Boom 6.9 m (22'8")	4020	8,870
Mass Boom 6.55 m (21'6")	4160	9,180
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick R3.35TB (11'0")	2250	4,960
Mass Stick M2.55UB (8'4")	2550	5,620
Mass Stick M3.0UB (9'10")	2710	5,980
Buckets (without linkage):		
2.41 m ³ (3.15 yd ³) HD	2460	5,410
2.77 m ³ (3.62 yd ³) SDV	2950	6,490

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Dimensions

All dimensions are approximate and may vary depending on bucket selection.

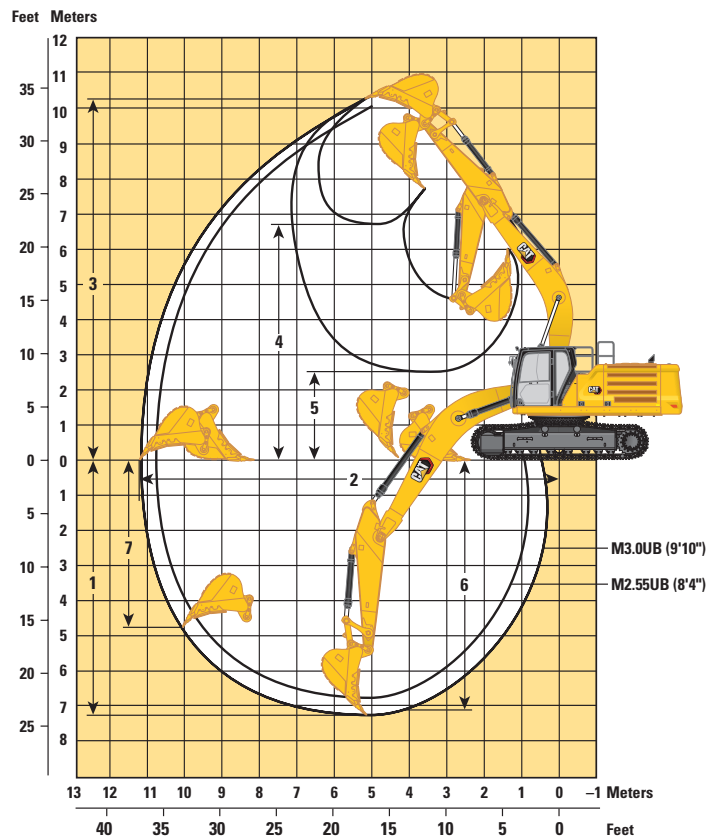
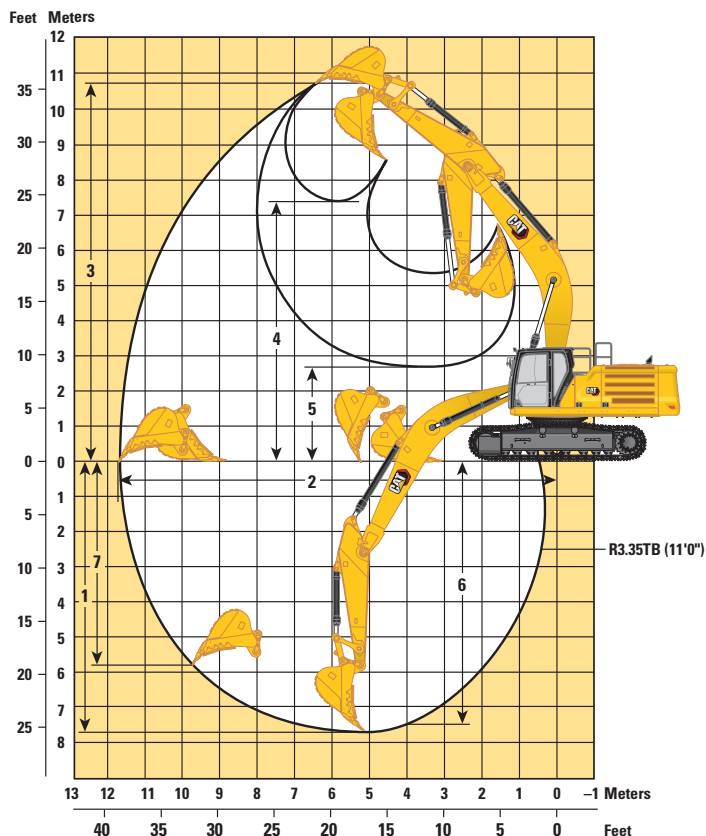


Boom Options	Reach Boom 6.9 m (22'8")		Mass Boom 6.55 m (21'6")	
	Reach Stick		Mass Stick	
	R3.35TB (11'0")	M3.0UB (9'10")	M2.55UB (8'4")	
1 Machine Height:				
Cab Height	3230 mm	10.6 ft	3230 mm	10.6 ft
FOGS Height	3370 mm	11.1 ft	3370 mm	11.1 ft
Guardrails/Handrails Height	3370 mm	11.1 ft	3370 mm	11.1 ft
With Boom/Stick/Bucket Installed	3560 mm	11.7 ft	4040 mm	13.3 ft
With Boom/Stick Installed	3550 mm	11.6 ft	3880 mm	12.7 ft
With Boom Installed	3050 mm	10.0 ft	3080 mm	10.1 ft
With Boom/Stick/Bucket Installed (with auxiliary lines)	3560 mm	11.7 ft	4040 mm	13.3 ft
With Boom/Stick Installed (with auxiliary lines)	3550 mm	11.6 ft	3880 mm	12.7 ft
With Boom Installed (with auxiliary lines)	3050 mm	10.0 ft	3080 mm	10.1 ft
2 Machine Length:				
With Boom/Stick/Bucket Installed	11 600 mm	38.1 ft	11 300 mm	37.1 ft
With Boom/Stick Installed	11 600 mm	38.1 ft	11 270 mm	37.0 ft
With Boom Installed	10 370 mm	34.0 ft	10 010 mm	32.8 ft
With Boom/Stick/Bucket Installed (with auxiliary lines)	11 600 mm	38.1 ft	11 300 mm	37.1 ft
With Boom/Stick Installed (with auxiliary lines)	11 600 mm	38.1 ft	11 270 mm	37.0 ft
With Boom Installed (with auxiliary lines)	10 370 mm	34.0 ft	10 010 mm	32.8 ft
3 Upperframe Width without Walkways	2970 mm	9.7 ft	2970 mm	9.7 ft
4 Tail Swing Radius	3530 mm	11.6 ft	3530 mm	11.6 ft
5 Counterweight Clearance	1300 mm	4.3 ft	1300 mm	4.3 ft
6 Ground Clearance	520 mm	1.7 ft	520 mm	1.7 ft
7 Length to Center of Rollers	4040 mm	13.3 ft	4040 mm	13.3 ft
8 Track Length	5030 mm	16.5 ft	5030 mm	16.5 ft
9 Track Gauge – Extended	2740 mm	9.0 ft	2740 mm	9.0 ft
10 Track Width/Undercarriage Width:				
600 mm (24") Shoes	3340 mm	11.0 ft	3340 mm	11.0 ft
700 mm (28") Shoes	3440 mm	11.3 ft	3440 mm	11.3 ft
Bucket Type	HD		SDV	
Bucket Capacity	2.41 m ³	3.15 yd ³	2.77 m ³	3.62 yd ³
Bucket Tip Radius	1930 mm	6.3 ft	2100 mm	6.9 ft

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Working Ranges and Forces

All dimensions are approximate and may vary depending on bucket selection.



Boom Options

Reach Boom 6.9 m (22'8")

Mass Boom 6.55 m (21'6")

Stick Options

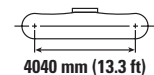
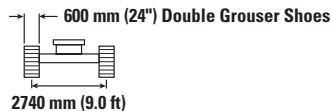
Reach Stick

Mass Stick

	R3.35TB (11'0")		M3.0UB (9'10")		M2.55UB (8'4")	
1 Maximum Digging Depth	7650 mm	25.1 ft	7280 mm	23.9 ft	6780 mm	22.2 ft
2 Maximum Reach at Ground Line	11 710 mm	38.4 ft	11 220 mm	36.8 ft	10 760 mm	35.3 ft
3 Maximum Cutting Height	10 720 mm	35.2 ft	10 250 mm	33.6 ft	10 060 mm	33.0 ft
4 Maximum Loading Height	7390 mm	24.2 ft	6710 mm	22.0 ft	6510 mm	21.4 ft
5 Minimum Loading Height	2680 mm	8.8 ft	2520 mm	8.3 ft	3020 mm	9.9 ft
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	7500 mm	25.0 ft	7130 mm	23.0 ft	6610 mm	22.0 ft
7 Maximum Vertical Wall Digging Depth	5800 mm	19.0 ft	4760 mm	15.6 ft	4320 mm	14.2 ft
Bucket Digging Force (ISO)	235 kN	52,860 lbf	262 kN	59,010 lbf	262 kN	59,010 lbf
Stick Digging Force (ISO)	180 kN	40,530 lbf	190 kN	42,790 lbf	216 kN	48,540 lbf
Bucket Type	HD		SDV		SDV	
Bucket Capacity	2.41 m ³	3.15 yd ³	2.77 m ³	3.62 yd ³	2.77 m ³	3.62 yd ³
Bucket Tip Radius	1930 mm	6.3 ft	2100 mm	6.9 ft	2100 mm	6.9 ft

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Reach Boom Lift Capacities – Counterweight: 9.0 mt (19,842 lb) – without Bucket



		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		9000 mm/360 in				
														mm in
9000 mm 360 in	kg lb											*7200 *16,000	*7200 *16,000	7180 280
7500 mm 300 in	kg lb							*9150 *20,100	*9150 *20,100			*6750 *14,900	*6750 *14,900	8390 330
6000 mm 240 in	kg lb							*9500 *20,750	9400 20,200	*8000	6950	*6600 *14,550	*6600 *14,550	9190 360
4500 mm 180 in	kg lb			*15 650 *33,650	*15 650 *33,650	*12 100 *26,150	*12 100 *26,150	*10 200 *22,200	9050 19,500	*9100 *19,800	6800 14,600	*6700 *14,700	6000 13,250	9690 380
3000 mm 120 in	kg lb			*18 950 *40,750	18 050 38,950	*13 650 *29,500	11 950 25,750	*11 050 *23,900	8650 18,650	*9450 *20,550	6600 14,200	*6950 *15,300	5650 12,450	9950 400
1500 mm 60 in	kg lb			*16 950 *40,550	*16 950 36,500	*14 800 *32,050	11 300 24,400	*11 650 *25,300	8300 17,900	9400 20,200	6400 13,800	*7450 *16,350	5500 12,150	9970 400
0 mm 0 in	kg lb			*18 350 *42,650	16 550 35,550	*15 200 *32,900	10 950 23,550	*11 950 *25,850	8050 17,350	9250 19,900	6250 13,450	*8250 *18,100	5600 12,300	9750 390
−1500 mm −60 in	kg lb	*12 550 *28,400	*12 550 *28,400	*19 300 *41,850	16 500 35,400	*14 750 *32,000	10 750 23,200	*11 650 *25,150	7900 17,050	9200 19,750	6200 13,350	*8800 *19,350	5950 13,100	9300 370
−3000 mm −120 in	kg lb	*20 150 *45,550	*20 150 *45,550	*17 200 *37,300	16 650 35,750	*13 500 *29,150	10 800 23,250	*10 600 *22,750	7950 17,100			*8650 *19,050	6700 14,850	8550 340
−4500 mm −180 in	kg lb	*17 350 *37,400	*17 350 *37,400	*14 050 *30,150	*14 050 *30,150	*11 050 *23,600	11 000 *23,600					*8200 *17,950	*8200 *17,950	7430 290



ISO 10567



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

Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

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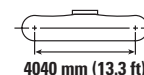
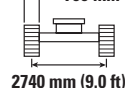
Reach Boom Lift Capacities – Counterweight: 9.0 mt (19,842 lb) – without Bucket

3.35 m (11'0") 6.9 m (22'8")

R3.35TB



700 mm (28") Triple Grouser Shoes



		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		9000 mm/360 in				mm in
9000 mm 360 in	kg lb											*7200 *16,000	*7200 *16,000	7180 280
7500 mm 300 in	kg lb							*9150 *20,100	*9150 *20,100			*6750 *14,900	*6750 *14,900	8390 330
6000 mm 240 in	kg lb							*9500 *20,750	9300 20,000	*8000	6900	*6600 *14,550	*6600 *14,550	9190 360
4500 mm 180 in	kg lb			*15 650 *33,650	*15 650 *33,650	*12 100 *26,150	*12 100 *26,150	*10 200 *22,200	9000 19,350	*9100 *19,800	6750 14,450	*6700 *14,700	5950 13,150	9690 380
3000 mm 120 in	kg lb			*18 950 *40,750	17 900 38,650	*13 650 *29,500	11 850 25,550	*11 050 *23,900	8600 18,500	*9450 20,450	6550 14,050	*6950 *15,300	5600 12,300	9950 400
1500 mm 60 in	kg lb			*16 950 *40,550	16 800 36,200	*14 800 *32,050	11 200 24,200	*11 650 *25,300	8250 17,700	9300 20,000	6350 13,650	*7450 *16,350	5450 12,000	9970 400
0 mm 0 in	kg lb			*18 350 *42,650	16 400 35,250	*15 200 *32,900	10 850 23,350	11 900 25,600	7950 17,150	9150 19,700	6200 13,350	8150 17,950	5550 12,200	9750 390
-1500 mm -60 in	kg lb	*12 550 *28,400	*12 550 *28,400	*19 300 *41,850	16 350 35,100	*14 750 *32,000	10 650 23,000	*11 650 *25,150	7850 16,900	9100 19,600	6150 13,250	8700 19,200	5900 13,000	9300 370
-3000 mm -120 in	kg lb	*20 150 *45,550	*20 150 *45,550	*17 200 *37,300	16 500 35,400	*13 500 *29,150	10 700 23,050	*10 600 *22,750	7850 16,950			*8650 *19,050	6650 14,700	8550 340
-4500 mm -180 in	kg lb	*17 350 *37,400	*17 350 *37,400	*14 050 *30,150	*14 050 *30,150	*11 050 *23,600	10 900 23,550					*8200 *17,950	*8200 *17,950	7430 290



ISO 10567



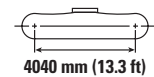
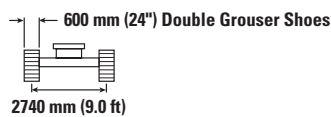
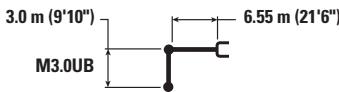
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Lift capacity stays with $\pm 5\%$ for all available track shoes.

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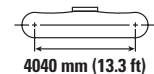
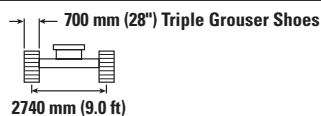
345 GC Hydraulic Excavator Specifications

Mass Boom Lift Capacities – Counterweight: 9.0 mt (19,842 lb) – without Bucket



		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		9000 mm/360 in				mm in
														
7500 mm 300 in	kg lb							*8400	*8400			*7900 *17,500	*7900 *17,500	7570 300
6000 mm 240 in	kg lb							*9500 *20,750	9000 19,250			*7650 *16,900	7300 16,200	8450 330
4500 mm 180 in	kg lb			*15 250 *32,750	*15 250 *32,750	*11 850 *25,600	*11 850 *25,600	*10 050 *21,850	8650 18,600			*7750 *17,000	6400 14,100	9000 360
3000 mm 120 in	kg lb			*18 400 *39,500	17 550 37,850	*13 300 *28,700	11 500 24,800	*10 750 *23,300	8250 17,800	9200 19,800	6200 13,300	*8050 *17,700	5900 13,050	9270 370
1500 mm 60 in	kg lb			*20 000 *43,250	16 400 35,300	*14 350 *31,050	10 850 23,400	*11 300 *24,500	7900 17,000	9050 19,400	6050 12,950	8600 18,950	5750 12,650	9290 370
0 mm 0 in	kg lb			*19 850 *43,050	15 950 34,350	*14 700 *31,750	10 450 22,550	*11 500 *24,850	7650 16,450	8900 19,400	5900 12,900	8800 19,400	5850 12,900	9060 360
-1500 mm -60 in	kg lb	*15 000 *34,000	*15 000 *34,000	*18 550 *40,300	15 950 34,200	*14 150 *30,600	10 300 22,200	*11 050 *23,800	7550 16,250			*9150 *20,100	6300 13,900	8570 340
-3000 mm -120 in	kg lb	*20 700 *44,950	*20 700 *44,950	*16 250 *35,200	16 150 34,650	*12 600 *27,150	10 400 22,400	*9500 *20,200	7650 16,500			*8950 *19,700	7350 16,250	7750 310
-4500 mm -180 in	kg lb			*12 500 *26,700	*12 500 *26,700	*9450 *19,750	*9450 *19,750					*8250 *18,050	*8250 *18,050	6490 260

Mass Boom Lift Capacities – Counterweight: 9.0 mt (19,842 lb) – without Bucket



		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		9000 mm/360 in				mm in
														
7500 mm 300 in	kg lb							*8400	*8400			*7900 *17,500	*7900 *17,500	7570 300
6000 mm 240 in	kg lb							*9500 *20,750	8900 19,100			*7650 *16,900	7200 16,050	8450 330
4500 mm 180 in	kg lb			*15 250 *32,750	*15 250 *32,750	*11 850 *25,600	*11 850 *25,600	*10 050 *21,850	8600 18,450			*7750 *17,000	6350 14,000	9000 360
3000 mm 120 in	kg lb			*18 400 *39,500	17 400 37,500	*13 300 *28,700	11 400 24,600	*10 750 *23,300	8200 17,600	9150 19,600	6150 13,200	*8050 *17,700	5850 12,900	9270 370
1500 mm 60 in	kg lb			*20 000 *43,250	16 250 34,950	*14 350 *31,050	10 750 23,200	*11 300 *24,500	7800 16,850	8950 19,200	5950 12,800	8500 18,750	5700 12,500	9290 370
0 mm 0 in	kg lb			*19 850 *43,050	15 800 34,000	*14 700 *31,750	10 350 22,300	*11 500 *24,750	7550 16,300	8800 19,200	5850 12,750	8750 19,200	5800 12,750	9060 360
-1500 mm -60 in	kg lb	*15 000 *34,000	*15 000 *34,000	*18 550 *40,300	15 800 33,900	*14 150 *30,600	10 200 22,000	*11 050 *23,800	7450 16,100			*9150 *20,100	6250 13,800	8570 340
-3000 mm -120 in	kg lb	*20 700 *44,950	*20 700 *44,950	*16 000 *35,200	16 000 34,350	*12 600 *27,150	10 300 22,200	*9500 *20,200	7550 16,350			*8950 *19,700	7250 16,100	7750 310
-4500 mm -180 in	kg lb			*12 500 *26,700	*12 500 *26,700	*9450 *19,750	*9450 *19,750					*8250 *18,050	*8250 *18,050	6490 260



ISO 10567



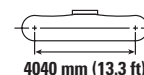
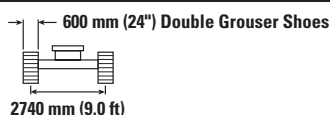
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Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

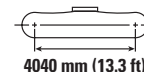
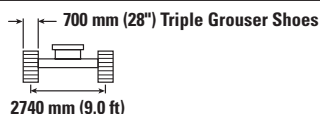
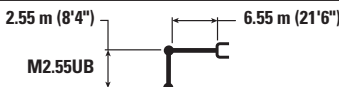
345 GC Hydraulic Excavator Specifications

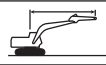
Mass Boom Lift Capacities – Counterweight: 9.0 mt (19,842 lb) – without Bucket



		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				mm in
												
7500 mm 300 in	kg lb					*23,450	*23,450			*10 400 *23,000	10 100 22,800	7000 280
6000 mm 240 in	kg lb					*11 300 *24,550	*11 300 *24,550	*10 150 *22,200	8900 19,050	*9950 *22,000	8050 17,900	7950 310
4500 mm 180 in	kg lb			*16 500 *35,450	*16 500 *35,450	*12 550 *27,100	12 150 26,200	*10 600 *23,000	8600 18,500	*9800 *21,600	6950 15,450	8520 340
3000 mm 120 in	kg lb			*19 450 *41,850	17 150 37,000	*13 850 *29,950	11 400 24,600	*11 150 *24,200	8250 17,750	9550 21,050	6450 14,200	8810 350
1500 mm 60 in	kg lb			*36,200	35,050	*14 700 *31,850	10 850 23,350	*11 600 *25,100	7950 17,050	9350 20,550	6250 13,800	8830 350
0 mm 0 in	kg lb			*19 450 *42,350	16 100 34,600	*14 750 *31,950	10 550 22,700	*11 550 *25,000	7750 16,650	9600 21,200	6400 14,100	8590 340
-1500 mm -60 in	kg lb	*15 050 *34,350	*15 050 *34,350	*17 800 *38,750	16 150 34,700	*13 900 *30,100	10 450 22,550	*10 800 *23,250	7700 16,550	*9650 *21,300	7000 15,450	8070 320
-3000 mm -120 in	kg lb	*18 000 *39,300	*18 000 *39,300	*15 200 *32,900	*15 200 *32,900	*11 950 *25,700	10 600 22,900			*9300 *20,450	8300 18,450	7190 290
-4500 mm -180 in	kg lb			*10 800	*10 800					*8100 *18,300	*8100 *18,300	5810 220

Mass Boom Lift Capacities – Counterweight: 9.0 mt (19,842 lb) – without Bucket



		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				mm in
												
7500 mm 300 in	kg lb					*23,450	*23,450			*10 400 *23,000	10 000 22,600	7000 280
6000 mm 240 in	kg lb					*11 300 *24,550	*11 300 *24,550	*10 150 *22,200	8800 18,900	*9950 *22,000	7950 17,700	7950 310
4500 mm 180 in	kg lb			*16 500 *35,450	*16 500 *35,450	*12 550 *27,100	12 050 25,950	*10 600 *23,000	8550 18,350	*9800 *21,600	6900 15,300	8520 340
3000 mm 120 in	kg lb			*19 450 *41,850	17 000 36,700	*13 850 *29,950	11 300 24,400	*11 150 *24,200	8150 17,600	9450 20,850	6400 14,050	8810 350
1500 mm 60 in	kg lb			*36,200	34,750	*14 700 *31,850	10 750 23,150	*11 600 *25,100	7850 16,900	9250 20,350	6200 13,650	8830 350
0 mm 0 in	kg lb			*19 450 *42,350	15 950 34,250	*14 750 *31,950	10 450 22,450	*11 550 *24,950	7650 16,450	9550 21,000	6350 14,000	8590 340
-1500 mm -60 in	kg lb	*15 050 *34,350	*15 050 *34,350	*17 800 *38,750	16 000 34,400	*13 900 *30,100	10 350 22,300	*10 800 *23,250	7600 16,400	*9650 *21,300	6950 15,300	8070 320
-3000 mm -120 in	kg lb	*18 000 *39,300	*18 000 *39,300	*15 200 *32,900	*15 200 *32,900	*11 950 *25,700	10 500 22,650			*9300 *20,450	8250 18,300	7190 290
-4500 mm -180 in	kg lb			*10 800	*10 800					*8100 *18,300	*8100 *18,300	5810 220



ISO 10567



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

Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

345 GC Hydraulic Excavator Specifications

Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	9.0 mt (19,842 lb) Counterweight		
		mm	in	m ³	yd ³	kg	lb		Reach Boom	Mass Boom	
								%	R3.35 (11'0")	M2.55 (8'4")	M3.0 (9'10")
Pin-On (No Quick Coupler)											
Severe Duty	TB	1550	61	2.14	2.80	2327	5,129	90	⊙		
Heavy Duty	TB	1650	65	2.41	3.15	2220	4,894	100	⊖		
	UB	1650	65	2.77	3.62	2573	5,672	100		⊖	○
	UB	1850	73	3.21	4.20	2758	6,079	100		○	◇
	UB	1950	77	3.43	4.48	2912	6,419	100		◇	◇
Severe Duty	UB	1550	61	2.61	3.41	2658	5,859	90		⊙	⊖
Maximum load with pin-on (payload + bucket)								kg	5785	6680	6025
								lb	12,754	14,727	13,283

The above loads are in compliance with hydraulic excavator standard EN474-5:2006+A3:2013, 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 7451:2007.

Bucket weight with Long tips.

Maximum Material Density:

⊙ 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)

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.

345 GC Hydraulic Excavator Specifications

Attachments Offering Guide

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.

☒ Match
 ☐ * Working range front only
 ☐ No Match
 ☒ 1800 kg/m³ (3,000 lb/yd³)
 ☐ 1200 kg/m³ (2,000 lb/yd³)

PIN-ON ATTACHMENTS

Counterweight		9.0 mt (19,842 lb)		
Boom Type		Reach HD	Mass	Mass
Stick Size		3.35 m HD (11'0")	2.55 m (8'4")	3.0 m (9'10")
Hydraulic Hammers	H140 GC	✓		
	H140 GC S	✓		
	H160 GC	✓	✓	✓
	H160 GC S	✓	✓	✓
	H160 S	✓	✓	✓
	H180 GC	✓	✓	✓
	H180 GC S	✓	✓	✓
	H180 S	✓	✓	✓
	H190 S	✓*		✓*
Multi-Processors	MP332 Concrete Cutter Jaw	✓		
	MP332 Demolition Jaw	✓		
	MP332 Pulverizer Jaw	✓		
	MP332 Shear Jaw	✓		
	MP332 Tank Shear Jaw	✓		
	MP332 Universal Jaw	✓		
	MP345 Concrete Cutter Jaw	✓	✓	✓
	MP345 Demolition Jaw	✓	✓	✓
	MP345 Pulverizer Jaw	✓	✓	✓
Demolition and Sorting Grapples	G345	✓	✓	✓
	S3050	✓*	✓	✓*
Pulverizers	P232 Secondary Pulverizer	✓		
	P332 Primary Pulverizer	✓		
	P332 Primary Pulverizer Flat Top	✓		
Orange Peel Grapples	GSH455-1000	●		
	GSH455-1500	●		
	GSH455-2000	○		
	GSH555-1000	●		
	GSH555-1500	○		

CAT PIN GRABBER COUPLER ATTACHMENTS

Counterweight		9.0 mt (19,842 lb)
Boom Type		Reach HD
Stick Size		3.35 m (11'0")
Hydraulic Hammers	H140 GC	✓
	H140 GC S	✓
Pulverizers	P232 Secondary Pulverizer	✓
	P332 Primary Pulverizer	✓
	P332 Primary Pulverizer Flat Top	✓*

(continued on next page)

345 GC Hydraulic Excavator Specifications

Attachments Offering Guide *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.

☒ Match
 ☐ * Working range front only
 ☐ No Match

CW-55 DEDICATED COUPLER ATTACHMENTS

Counterweight		9.0 mt (19,842 lb)	
Boom Type		Reach HD	Mass
Stick Size		3.35 m HD (11'0")	3.0 m (9'10")
Hydraulic Hammers	H140 GC S	✓	
	H160 GC	✓	✓
	H160 GC S	✓	✓
	H160 S	✓	✓
	H180 GC S	✓*	✓*
	H180 S	✓*	✓*
Multi-Processors	MP332 Concrete Cutter Jaw	✓	
	MP332 Demolition Jaw	✓	
	MP332 Pulverizer Jaw	✓	
	MP332 Shear Jaw	✓	
	MP332 Tank Shear Jaw	✓	
	MP332 Universal Jaw	✓	
Demolition and Sorting Grapples	G345	✓	✓
Pulverizers	P232 Secondary Pulverizer	✓	
	P332 Primary Pulverizer	✓	
	P332 Primary Pulverizer Flat Top	✓	

BOOM-MOUNT ATTACHMENTS

Counterweight		9.0 mt (19,842 lb)	
Boom Type		Reach HD	Mass
Mobile Scrap and Demolition Shears	S2090	✓	✓
	S3070	✓	✓
	S3070 Flat Top	✓	
	S3090		✓

345 GC Standard and Optional Equipment

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional		Standard	Optional
BOOMS AND STICKS			HYDRAULIC SYSTEM		
6.9 m (22'8") Reach boom		✓	Boom and stick regeneration circuit	✓	
6.55 m (21'6") Mass boom		✓	Electronic main control valve	✓	
3.35 m (11'0") Reach stick		✓	Automatic hydraulic oil warmup	✓	
2.55 m (8'4") Mass stick		✓	Reverse swing damping valve	✓	
3.0 m (9'10") Mass stick		✓	Automatic swing parking brake	✓	
CAB			High performance hydraulic return filter	✓	
ROPS	✓		Two speed travel	✓	
High-resolution 203 mm (8 in) LCD touchscreen monitor	✓		Bio hydraulic oil capability	✓	
Automatic bi-level air conditioner	✓		Fine swing		✓
Jog dial and shortcut keys for monitor control	✓		Combined two-way auxiliary circuit		✓
Keyless push-to-start engine control	✓		Combined two-way auxiliary circuit with hammer return filter		✓
Height-adjustable console, three steps with tool	✓		SAFETY AND SECURITY		
Mechanically adjustable seat suspension	✓		Caterpillar One Key security system	✓	
51 mm (2 in) seat belt	✓		Lockable external tool/storage box	✓	
Fixed left-side console	✓		Lockable door, fuel, and hydraulic tank locks	✓	
Bluetooth integrated radio with USB ports	✓		Lockable fuel drain compartment	✓	
12V DC outlets (×2)	✓		Service platform with anti-skid plate and recessed bolts	✓	
Document storage	✓		RH handrail and handhold (ISO 2867 Compliant)	✓	
Cup and bottle holders	✓		Standard visibility mirror package	✓	
Openable two-piece front window	✓		Signaling/warning horn	✓	
Upper radial wiper with 70/30 with washer	✓		Ground-level secondary engine shutoff switch	✓	
Openable steel hatch	✓		Rearview camera and right-hand-side mirror	✓	
LED dome light	✓		SERVICE AND MAINTENANCE		
Roller front sunscreen	✓		Grouped location of engine oil and fuel filters	✓	
CAT TECHNOLOGY			Scheduled Oil Sampling (S-O-S SM) sampling ports	✓	
Cat Product Link TM	✓		Electric refueling pump with automatic shutoff		✓
Auto hammer stop	✓		UNDERCARRIAGE AND STRUCTURES		
ELECTRICAL SYSTEM			Towing eye on base frame (ISO 15818 Compliant)	✓	
Maintenance-free 1,000 CCA batteries (×2)	✓		9 mt (19,842 lb) counterweight	✓	
Centralized electrical disconnect switch	✓		600 mm (24") double grouser track shoes		✓
LED chassis light, LH boom lights, cab lights	✓		700 mm (28") triple grouser track shoes		✓
Premium surrounding light package		✓			
ENGINE					
Cold start block heater		✓			
Two selectable modes: Power, Smart	✓				
Automatic engine speed control	✓				
2300 m (7,550 ft) altitude capability with no engine power de-rating	✓				
52° C (126° F) high-ambient cooling capacity	✓				
Hydraulic reverse fan		✓			
-18° C (0° F) cold start capability	✓				
-32° C (-25° F) cold start capability		✓			
Double element air filter with integrated precleaner	✓				
Remote disable	✓				

345 GC Attachments

Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

- Lower radial wiper
- Polycarbonate hatch
- P5A demolition glass

SAFETY AND SECURITY

- Bluetooth® receiver
- Bluetooth key fob

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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AEXQ2380-03 (09-2021)
Replaces AEXQ2380-02
Build Number: 07D
(S Am)

