



# 336

## 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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# 336 Hydraulic Excavator Specifications

## Engine

Engine Model	Cat® C9.3B	
Net Power – ISO 9249	232 kW	311 hp
Engine Power – ISO 14396	234 kW	314 hp
Bore	115 mm	5 in
Stroke	149 mm	6 in
Displacement	9.3 L	568 in <sup>3</sup>

- Meets Brazil MAR-1 and China Nonroad Stage III emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Recommended for use up to 4500 m (14,760 ft) altitude with engine power derate above 3000 m (9,840 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 1,800 rpm.

## Swing Mechanism

Swing Speed	8.75 rpm	
Maximum Swing Torque	144 kN·m	106,228 lbf-ft

## Weights

Operating Weight	37 600 kg	82,900 lb
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- Mass Boom, M2.55 m (8'4") stick, SDS 2.40 m<sup>3</sup> (3.14 yd<sup>3</sup>) bucket, 700 mm (28") TG shoe, 6.8 mt (14,991 lb) counterweight.

## Track

Standard Track Shoes Width	600 mm	24 in
Optional Track Shoes Width	700 mm	28 in
Optional Track Shoes Width	800 mm	31 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	4.7 km/h	2.9 mph
Maximum Drawbar Pull	295 kN	66,206 lbf

## Hydraulic System

Main System – Maximum Flow – Implement	558 L/min (279 × 2 pumps)	147 gal/min (74 × 2 pumps)
Maximum Pressure – Equipment – Implement	35 000 kPa	5,076 psi
Maximum Pressure – Equipment – Lift Mode	38 000 kPa	5,511 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	29 400 kPa	4,264 psi
Boom Cylinder – Bore	150 mm	6 in
Boom Cylinder – Stroke	1440 mm	57 in
Stick Cylinder – Bore	170 mm	7 in
Stick Cylinder – Stroke	1738 mm	68 in
DB Bucket Cylinder – Bore	150 mm	6 in
DB Bucket Cylinder – Stroke	1151 mm	45 in
TB Bucket Cylinder – Bore	160 mm	6 in
TB Bucket Cylinder – Stroke	1356 mm	53 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 (each)	18 L	4.8 gal
Final Drive (each)	8 L	2.1 gal
Hydraulic System (including tank)	373 L	98.5 gal
Hydraulic Tank	161 L	42.5 gal

## Standards

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

## Sound Performance

ISO 6395:2008 (external)	105 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		800 mm (31") Triple Grouser Shoes	
	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure
	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
<b>Base Frame with Standard Track Rollers and Carrier Rollers</b>						
<b>6.8 mt (14,991 lb) Counterweight + Long Undercarriage Base Machine</b>						
HD Reach Boom + HD R3.2DB (10'6") Stick + 1.88 m <sup>3</sup> (2.46 yd <sup>3</sup> ) HD Bucket	37 000 (81,500)	68.9 (10.0)	36 600 (80,600)	58.4 (8.5)	37 200 (82,000)	52.0 (7.5)
Mass Boom + M2.55TB (8'4") Stick + 2.40 m <sup>3</sup> (3.14 yd <sup>3</sup> ) SDS Bucket	38 000 (83,800)	70.8 (10.3)	37 600 (82,900)	60.0 (8.7)	38 300 (84,300)	53.4 (7.8)

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

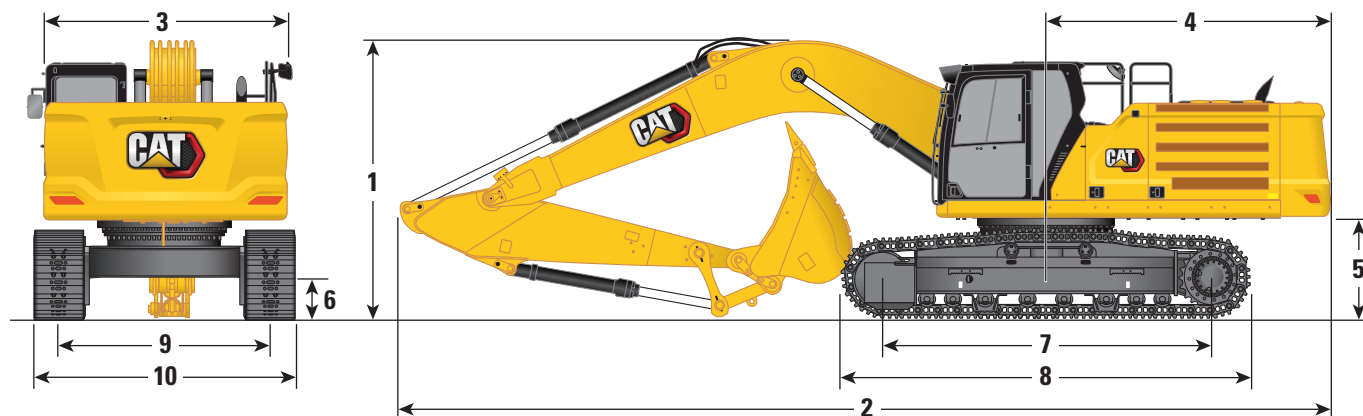
## Major Component Weights

	kg	lb
Base machine with 6.8 mt (14,991 lb) counterweight, standard swing frame, base frame with standard track rollers and carrier rollers for long undercarriage	24 450	53,910
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	4450	9,800
800 mm (31") Width, 13 mm (0.51") Thick, Triple Grouser Track Shoes	5100	11,230
Two Boom Cylinders	670	1,470
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	550	1,210
Counterweight:		
6.8 mt Counterweight	6800	14,991
Swing Frame:		
Standard Swing Frame	3160	6,960
Long Undercarriage:		
Base Frame with Standard Track Rollers and Carrier Rollers	8670	19,120
Booms (including lines, pins, stick cylinder):		
HD Reach Boom 6.5 m (21'4")	3480	7,670
Mass Boom 6.18 m (20'3")	3480	7,670
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
HD Reach Stick R3.2DB (10'6")	1930	4,250
Mass Stick M2.55TB (8'4")	2130	4,700
Buckets (without linkage):		
1.88 m <sup>3</sup> (2.46 yd <sup>3</sup> ) HD	1710	3,770
2.41 m <sup>3</sup> (3.16 yd <sup>3</sup> ) HD	2530	5,580
2.40 m <sup>3</sup> (3.14 yd <sup>3</sup> ) SDS	2540	5,610
Quick Coupler:		
Pin Grabber QC	700	1,550

# 336 Hydraulic Excavator Specifications

## Dimensions

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

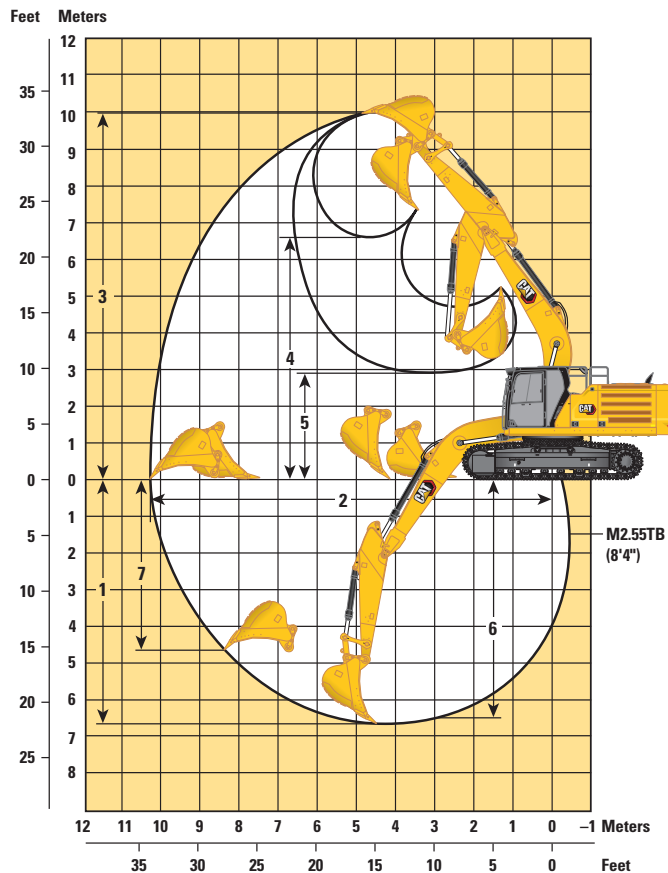
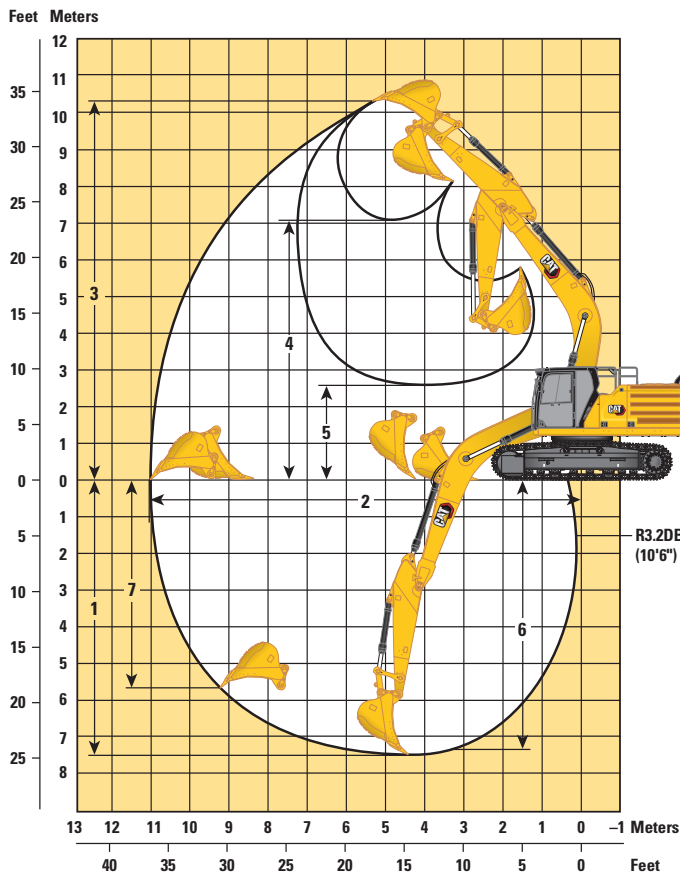


Boom Options	HD Reach Boom 6.5 m (21'4")		Mass Boom 6.18 m (20'3")	
Stick Options	HD Reach Stick R3.2DB (10'6")		Mass Stick M2.55TB (8'4")	
<b>1 Machine Height:</b>				
Cab Height	3170 mm	10'5"	3170 mm	10'5"
FOGS Height	3310 mm	10'10"	3310 mm	10'10"
Handrails Height	3160 mm	10'4"	3160 mm	10'4"
With Boom/Stick/Bucket Installed	3470 mm	11'5"	3610 mm	11'10"
With Boom/Stick Installed	3330 mm	10'10"	3400 mm	11'2"
With Boom Installed	2880 mm	9'5"	2830 mm	9'3"
With Boom/Stick/Bucket Installed (with auxiliary lines)	3520 mm	11'7"	3620 mm	11'11"
With Boom/Stick Installed (with auxiliary lines)	3380 mm	11'1"	3420 mm	11'3"
With Boom Installed (with auxiliary lines)	2970 mm	9'9"	2900 mm	9'6"
<b>2 Machine Length:</b>				
With Boom/Stick/Bucket Installed	11 170 mm	36'8"	10 890 mm	35'9"
With Boom/Stick Installed	11 130 mm	36'6"	10 850 mm	35'7"
With Boom Installed	9960 mm	32'8"	9640 mm	31'8"
With Boom/Stick/Bucket Installed (with auxiliary lines)	11 170 mm	36'8"	10 890 mm	35'9"
With Boom/Stick Installed (with auxiliary lines)	11 130 mm	36'6"	10 850 mm	35'7"
With Boom Installed (with auxiliary lines)	10 010 mm	32'10"	9640 mm	31'8"
<b>3 Upperframe Width without Walkways</b>	2970 mm	9'9"	2970 mm	9'9"
<b>4 Tail Swing Radius</b>	3530 mm	11'7"	3530 mm	11'7"
<b>5 Counterweight Clearance</b>	1250 mm	4'1"	1250 mm	4'1"
<b>6 Ground Clearance</b>	510 mm	1'8"	510 mm	1'8"
<b>7 Track Length – Length to Center of Rollers</b>	4040 mm	13'3"	4040 mm	13'3"
<b>8 Track Length</b>	5030 mm	16'6"	5030 mm	16'6"
<b>9 Track Gauge</b>	2590 mm	8'6"	2590 mm	8'6"
<b>10 Track Width/Undercarriage Width:</b>				
600 mm (24") Shoes	3190 mm	10'6"	3190 mm	10'6"
700 mm (28") Shoes	3290 mm	10'10"	3290 mm	10'10"
800 mm (31") Shoes	3390 mm	11'1"	3390 mm	11'1"
Bucket Type	HD		SDS	
Bucket Capacity	1.88 m <sup>3</sup>	2.46 yd <sup>3</sup>	2.40 m <sup>3</sup>	3.14 yd <sup>3</sup>
Bucket Tip Radius	1760 mm	5'9"	1800 mm	5'10"

# 336 Hydraulic Excavator Specifications

## Working Ranges and Forces

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



### Boom Options

**HD Reach Boom**  
6.5 m (21'4")

**Mass Boom**  
6.18 m (20'3")

### Stick Options

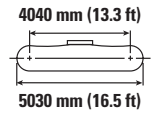
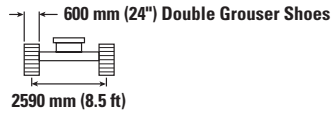
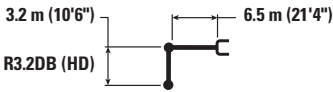
**HD Reach Stick**  
R3.2DB (10'6")

**Mass Stick**  
M2.55TB (8'4")

	HD Reach Boom 6.5 m (21'4")		Mass Boom 6.18 m (20'3")	
	HD Reach Stick R3.2DB (10'6")		Mass Stick M2.55TB (8'4")	
<b>1</b> Maximum Digging Depth	7520 mm	24'8"	6560 mm	21'6"
<b>2</b> Maximum Reach at Ground Line	11 050 mm	36'3"	10 170 mm	33'4"
<b>3</b> Maximum Cutting Height	10 300 mm	33'10"	9940 mm	32'7"
<b>4</b> Maximum Loading Height	7080 mm	23'3"	6710 mm	22'0"
<b>5</b> Minimum Loading Height	2580 mm	8'6"	3020 mm	9'11"
<b>6</b> Maximum Depth Cut for 2440 mm (8'0") Level Bottom	7360 mm	24'2"	6380 mm	20'11"
<b>7</b> Maximum Vertical Wall Digging Depth	5660 mm	18'7"	5040 mm	16'6"
Bucket Digging Force (ISO)	211 kN	47,460 lbf	290 kN	65,100 lbf
Stick Digging Force (ISO)	167 kN	37,430 lbf	196 kN	43,970 lbf
Bucket Type	HD		SDS	
Bucket Capacity	1.88 m <sup>3</sup>	2.46 yd <sup>3</sup>	2.40 m <sup>3</sup>	3.14 yd <sup>3</sup>
Bucket Tip Radius	1760 mm	5'9"	1800 mm	5'10"

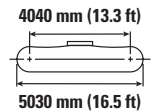
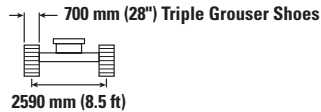
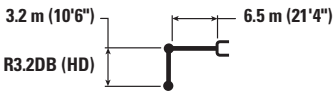
# 336 Hydraulic Excavator Specifications

## HD Reach Boom Lift Capacities – Counterweight: 6.8 mt (14,991 lb) – without Bucket, Heavy Lift: On



		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							*8700	7600			*7350 *16,200	7250 *16,200	7700 300
6000 mm 240 in	kg lb							*8800 *19,250	7550 16,150			*7100 *15,650	6000 13,300	8580 340
4500 mm 180 in	kg lb			*13 400	*13 400	*10 800 *23,350	10 300 22,150	*9450 *20,550	7300 15,700	8400	5450	*7150 *15,750	5300 11,700	9130 360
3000 mm 120 in	kg lb			*17 000 *36,500	14 650 31,650	*12 500 *27,000	9700 20,900	*10 350 *22,400	7000 15,050	8300 17,800	5300 11,400	*7450 *16,350	4950 10,900	9410 370
1500 mm 60 in	kg lb			*19 550 *42,200	13 700 29,550	*14 000 *30,200	9150 19,750	10 650 22,950	6700 14,450	8150 17,450	5150 11,100	7550 16,650	4800 10,550	9440 380
0 mm 0 in	kg lb			*20 400 *44,200	13 300 28,600	14 600 31,400	8850 19,050	10 450 22,450	6500 14,000	8000 17,250	5050 10,900	7750 17,050	4900 10,750	9220 370
-1500 mm -60 in	kg lb	*14 000 *31,700	*14 000 *31,700	*20 000 *43,350	13 200 28,400	14 450 31,050	8700 18,700	10 350 22,200	6400 13,800			8300 18,350	5250 11,550	8750 350
-3000 mm -120 in	kg lb	*22 150 *50,100	*22 150 *50,100	*18 550 *40,150	13 300 28,650	*14 100 *30,500	8700 18,800	10 350 22,350	6450 13,900			9550 21,200	6000 13,250	7960 320
-4500 mm -180 in	kg lb	*20 850 *44,950	*20 850 *44,950	*15 700 *33,750	13 650 29,350	*11 900 *25,350	8950 19,300					*10 050 *22,100	7650 17,150	6750 270

## HD Reach Boom Lift Capacities – Counterweight: 6.8 mt (14,991 lb) – without Bucket, Heavy Lift: On



		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							*8700	7550			*7350 *16,200	7200 16,100	7700 300
6000 mm 240 in	kg lb							*8800 *19,250	7450 16,000			*7100 *15,650	5900 13,150	8580 340
4500 mm 180 in	kg lb			*13 400	*13 400	*10 800 *23,350	10 200 21,950	*9450 *20,550	7250 15,550	8350	5400	*7150 *15,750	5250 11,600	9130 360
3000 mm 120 in	kg lb			*17 000 *36,500	14 550 31,350	*12 500 *27,000	9600 20,700	*10 350 *22,400	6950 14,900	8200 17,600	5250 11,250	*7450 *16,350	4900 10,750	9410 370
1500 mm 60 in	kg lb			*19 550 *42,200	13 550 29,250	*14 000 *30,200	9100 19,550	10 550 22,700	6650 14,300	8050 17,300	5100 10,950	7500 16,500	4750 10,450	9440 380
0 mm 0 in	kg lb			*20 400 *44,200	13 150 28,300	14 450 31,050	8750 18,850	10 350 22,200	6450 13,850	7950 17,050	5000 10,750	7650 16,850	4850 10,650	9220 370
-1500 mm -60 in	kg lb	*14 000 *31,700	*14 000 *31,700	*20 000 *43,350	13 050 28,100	14 300 30,700	8600 18,500	10 200 22,000	6350 13,650			8250 18,150	5200 11,400	8750 350
-3000 mm -120 in	kg lb	*22 150 *50,100	*22 150 *50,100	*18 550 *40,150	13 200 28,350	*14 100 *30,500	8650 18,600	10 250 22,100	6400 13,750			9450 20,950	5950 13,100	7960 320
-4500 mm -180 in	kg lb	*20 850 *44,950	*20 850 *44,950	*15 700 *33,750	13 500 29,050	*11 900 *25,350	8850 19,100					*10 050 *22,100	7600 16,950	6750 270



ISO 10567



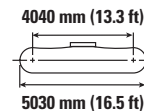
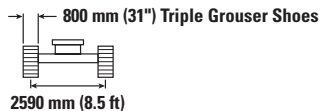
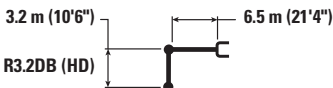
\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories 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 ±5% for all available track shoes.

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

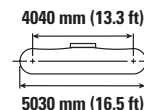
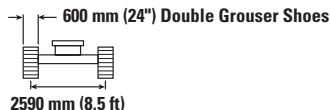
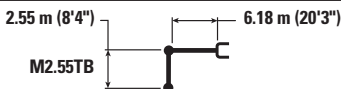
# 336 Hydraulic Excavator Specifications

## HD Reach Boom Lift Capacities – Counterweight: 6.8 mt (14,991 lb) – without Bucket, Heavy Lift: On



		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							*8700	7650			*7350 *16,200	7300 *16,200	7700 300
6000 mm 240 in	kg lb							*8800 *19,250	7550 16,250			*7100 *15,650	6000 13,350	8580 340
4500 mm 180 in	kg lb			*13 400	*13 400	*10 800 *23,350	10 350 22,250	*9450 *20,550	7350 15,800	*8400	5450	*7150 *15,750	5350 11,800	9130 360
3000 mm 120 in	kg lb			*17 000 *36,500	14 750 31,850	*12 500 *27,000	9750 21,000	*10 350 *22,400	7050 15,150	8350 17,900	5350 11,450	*7450 *16,350	4950 10,950	9410 370
1500 mm 60 in	kg lb			*19 550 *42,200	13 800 29,700	*14 000 *30,200	9250 19,900	10 750 23,100	6750 14,550	8200 17,600	5200 11,150	7600 16,750	4850 10,650	9440 380
0 mm 0 in	kg lb			*20 400 *44,200	13 350 28,750	14 700 31,600	8900 19,150	10 500 22,600	6550 14,100	8050 17,350	5100 10,950	7800 17,150	4950 10,850	9220 370
-1500 mm -60 in	kg lb	*14 000 *31,700	*14 000 *31,700	*20 000 *43,350	13 300 28,550	14 550 31,250	8750 18,850	10 400 22,350	6450 13,900			8350 18,450	5250 11,600	8750 350
-3000 mm -120 in	kg lb	*22 150 *50,100	*22 150 *50,100	*18 550 *40,150	13 400 28,800	*14 100 *30,500	8800 18,900	10 450 22,500	6500 14,000			9600 21,300	6050 13,350	7960 320
-4500 mm -180 in	kg lb	*20 850 *44,950	*20 850 *44,950	*15 700 *33,750	13 700 29,500	*11 900 *25,350	9000 19,450					*10 050 *22,100	7700 17,250	6750 270

## Mass Boom Lift Capacities – Counterweight: 6.8 mt (14,991 lb) – without Bucket, Heavy Lift: On



		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in	kg lb					*10 150 *22,350	*10 150 *22,350			*9000 *19,900	*9000 *19,900	6580 260
6000 mm 240 in	kg lb					*10 500 *22,850	10 400 22,400	*9800	7200	*8550 *18,850	7050 15,650	7600 300
4500 mm 180 in	kg lb			*14 650 *31,550	*14 650 *31,550	*11 650 *25,250	9950 21,450	*10 200 *22,300	7050 15,100	*8550 *18,800	6050 13,400	8210 330
3000 mm 120 in	kg lb			*18 000 *38,650	14 250 30,700	*13 150 *28,450	9400 20,250	10 750 23,100	6800 14,600	8800 19,400	5550 12,250	8520 340
1500 mm 60 in	kg lb			*20 000 *43,150	13 400 28,850	*14 350 *31,050	8950 19,250	10 500 22,550	6550 14,050	8600 18,950	5400 11,900	8550 340
0 mm 0 in	kg lb			*20 200 *43,800	13 100 28,200	14 450 31,050	8650 18,650	10 300 22,200	6400 13,750	8900 19,600	5550 12,200	8310 330
-1500 mm -60 in	kg lb	*17 800 *40,400	*17 800 *40,400	*19 200 *41,600	13 150 28,200	14 350 30,850	8600 18,500	10 300 22,150	6350 13,700	9800 21,600	6100 13,400	7780 310
-3000 mm -120 in	kg lb	*22 000 *47,800	*22 000 *47,800	*16 950 *36,600	13 350 28,700	*12 900 *27,650	8750 18,850			*10 600 *23,350	7300 16,200	6880 270
-4500 mm -180 in	kg lb			*12 450 *26,300	*12 450 *26,300					*9850 *21,500	*9850 *21,500	5430 210



ISO 10567



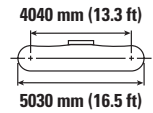
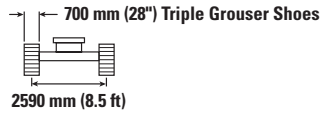
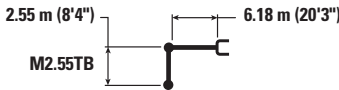
\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories 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 ±5% for all available track shoes.

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

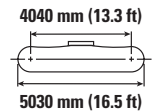
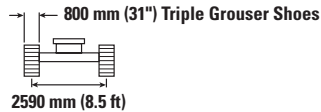
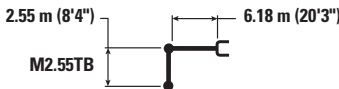
# 336 Hydraulic Excavator Specifications

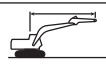










## Mass Boom Lift Capacities – Counterweight: 6.8 mt (14,991 lb) – without Bucket, Heavy Lift: On



		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				mm in
												
7500 mm 300 in	kg lb					*10 150 *22,350	*10 150 *22,350			*9000 *19,900	8950 *19,900	6580 260
6000 mm 240 in	kg lb					*10 500 *22,850	10 350 22,200	*9800	7100	*8550 *18,850	6950 15,500	7600 300
4500 mm 180 in	kg lb			*14 650 *31,550	*14 650 *31,550	*11 650 *25,250	9850 21,250	*10 200 *22,300	6950 14,950	*8550 *18,800	6000 13,250	8210 330
3000 mm 120 in	kg lb			*18 000 *38,650	14 100 30,400	*13 150 *28,450	9300 20,100	10 650 22,900	6700 14,450	8700 19,200	5500 12,150	8520 340
1500 mm 60 in	kg lb			*20 000 *43,150	13 250 28,550	*14 350 *31,050	8850 19,050	10 350 22,300	6450 13,900	8500 18,750	5350 11,750	8550 340
0 mm 0 in	kg lb			*20 200 *43,800	13 000 27,900	14 300 30,700	8600 18,450	10 200 21,950	6300 13,600	8800 19,350	5500 12,050	8310 330
-1500 mm -60 in	kg lb	*17 800 *40,400	*17 800 *40,400	*19 200 *41,600	13 000 27,900	14 200 30,550	8500 18,300	10 200 21,900	6300 13,550	9700 21,350	6000 13,250	7780 310
-3000 mm -120 in	kg lb	*22 000 *47,800	*22 000 *47,800	*16 950 *36,600	13 200 28,400	*12 900 *27,650	8650 18,650			*10 600 *23,350	7250 16,050	6880 270
-4500 mm -180 in	kg lb			*12 450 *26,300	*12 450 *26,300					*9850 *21,500	*9850 *21,500	5430 210

## Mass Boom Lift Capacities – Counterweight: 6.8 mt (14,991 lb) – without Bucket, Heavy Lift: On



		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				mm in
												
7500 mm 300 in	kg lb					*10 150 *22,350	*10 150 *22,350			*9000 *19,900	*9000 *19,900	6580 260
6000 mm 240 in	kg lb					*10 500 *22,850	10 500 22,550	*9800	7250	*8550 *18,850	7050 15,750	7600 300
4500 mm 180 in	kg lb			*14 650 *31,550	*14 650 *31,550	*11 650 *25,250	10 000 21,600	*10 200 *22,300	7050 15,200	*8550 *18,800	6100 13,450	8210 330
3000 mm 120 in	kg lb			*18 000 *38,650	14 300 30,900	*13 150 *28,450	9450 20,400	10 800 23,250	6800 14,650	8850 *19,500	5600 12,350	8520 340
1500 mm 60 in	kg lb			*20 000 *43,150	13 500 29,050	*14 350 *31,050	9000 19,400	10 550 22,700	6600 14,150	8650 19,100	5450 11,950	8550 340
0 mm 0 in	kg lb			*20 200 *43,800	13 200 28,400	14 550 31,250	8750 18,800	10 400 22,300	6400 13,800	8950 19,700	5600 12,300	8310 330
-1500 mm -60 in	kg lb	*17 800 *40,400	*17 800 *40,400	*19 200 *41,600	13 200 28,400	14 450 31,050	8650 18,650	10 350 22,300	6400 13,800	9850 21,750	6100 13,500	7780 310
-3000 mm -120 in	kg lb	*22 000 *47,800	*22 000 *47,800	*16 950 *36,600	13 450 28,900	*12 900 *27,650	8800 18,950			*10 600 *23,350	7350 16,300	6880 270
-4500 mm -180 in	kg lb			*12 450 *26,300	*12 450 *26,300					*9850 *21,500	*9850 *21,500	5430 210



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 ±5% for all available track shoes.

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



# 336 Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	6.8 mt (14,991 lb) Counterweight		
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb		%	HD Reach Boom	Mass Boom
										HD R3.2 (10'6")	M2.55 (8'4")
<b>Pin-On (No Quick Coupler)</b>											
Severe Duty	DB	1650	66	2.15	2.81	1802	3,972	90	⊖		
General Duty	TB	1800	71	2.60	3.40	2119	4,671	100		○	
Heavy Duty	TB	1650	66	2.41	3.15	2220	4,894	100		⊖	
	TB	1750	69	2.50	3.27	2258	4,978	100		○	
	TB	1850	72	2.69	3.52	2387	5,262	100		○	
Severe Duty Power	TB	1750	69	2.40	3.14	2544	5,608	90		⊖	
Extreme Duty Power	TB	1550	61	2.00	2.59	2562	5,648	90		⊙	
Severe Duty	TB	1600	63	2.20	2.88	2332	5,141	90		⊖	
Maximum load with pin-on (payload + bucket)								kg	4915	5675	
								lb	10,836	12,511	
<b>With Cat Pin Grabber Coupler</b>											
Severe Duty	DB	1650	66	2.15	2.81	1802	3,972	90	○		
General Duty	TB	1800	71	2.60	3.40	2119	4,671	100		◇	
Heavy Duty	TB	1650	66	2.41	3.15	2220	4,894	100		◇	
	TB	1750	69	2.50	3.27	2258	4,978	100		◇	
	TB	1850	72	2.69	3.52	2387	5,262	100		X	
Severe Duty Power	TB	1750	69	2.40	3.14	2544	5,608	90		◇	
Extreme Duty Power	TB	1550	61	2.00	2.59	2562	5,648	90		○	
Severe Duty	TB	1600	63	2.20	2.88	2332	5,141	90		○	
Maximum load with coupler (payload + bucket)								kg	4219	4624	
								lb	9,302	10,194	
<b>With CW Quick Coupler</b>											
Severe Duty	TB	1650	66	2.41	3.15	2267	4,998	90		○	
Maximum load with coupler (payload + bucket)								kg	4442	5202	
								lb	9,793	11,468	

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 General Duty tips.

### Maximum Material Density:

- ⊙ 1800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)
- ⊖ 1500 kg/m<sup>3</sup> (2,500 lb/yd<sup>3</sup>)
- 1200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)
- ◇ 900 kg/m<sup>3</sup> (1,500 lb/yd<sup>3</sup>)
- X Not Recommended

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

# 336 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/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)    
  1200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)

### PIN-ON ATTACHMENTS

Undercarriage		L	
Counterweight		6.8 mt (14,991 lb)	
Boom Type		Reach HD	ME
Stick Length		3.2 m HD (10'6")	2.55 m (8'4")
Hydraulic Hammers	H140 GC	✓	✓
	H140 GC S	✓	✓
	H140 S	✓	✓
	H160 GC	✓	✓
	H160 GC S	✓	✓
	H160 S	✓	✓
	H180 GC		✓
	H180 GC S		✓
Multi-Processors	MP324 Concrete Cutter Jaw	✓	
	MP324 Demolition Jaw	✓	
	MP324 Pulverizer Jaw	✓	
	MP324 Shear Jaw	✓	
	MP324 Tank Shear Jaw	✓	
	MP324 Universal Jaw	✓	
	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 Shear Jaw		✓*	
Demolition and Sorting Grapples	G332	✓	
	G345	✓	✓
Mobile Scrap and Demolition Shears	S3035	✓	
	S3035 Flat Top	✓	
Pulverizers	P225	✓	
	P235	✓	✓
Orange Peel Grapples	GSH440-1150	●	
	GSH440-1550	○	
	GSH455-1000	●	●
	GSH455-1500	○	○
	GSH455-2000		○
	GSH555-1000	○	●
	GSH555-1500		○

(continued on next page)

# 336 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

### CAT PIN GRABBER COUPLER ATTACHMENTS

Undercarriage		L	
Counterweight		6.8 mt (14,991 lb)	
Boom Type		Reach HD	ME
Stick Length		3.2 m HD (10'6")	2.55 m (8'4")
Hydraulic Hammers	H140 GC	✓	✓
	H140 GC S	✓	✓
	H140 S	✓	✓
	H160 GC	✓	✓
	H160 GC S	✓	✓
	H160 S	✓	✓
	H180 GC S		✓*
Multi-Processors	MP324 Concrete Cutter Jaw	✓	
	MP324 Demolition Jaw	✓	
	MP324 Pulverizer Jaw	✓	
	MP324 Shear Jaw	✓	
	MP324 Tank Shear Jaw	✓	
	MP324 Universal Jaw	✓	
	MP332 Concrete Cutter Jaw	✓	✓
	MP332 Demolition Jaw	✓*	✓*
	MP332 Pulverizer Jaw	✓*	✓*
	MP332 Shear Jaw	✓	✓
	MP332 Universal Jaw	✓*	✓*
Demolition and Sorting Grapples	G332	✓	
	G345	✓*	✓*
Mobile Scrap and Demolition Shears	S3035	✓	
	S3035 Flat Top	✓	
Pulverizers	P225	✓	

### BOOM-MOUNT ATTACHMENTS

Undercarriage		L	
Counterweight		6.8 mt (14,991 lb)	
Boom Type		ME	
Mobile Scrap and Demolition Shears	S2070	✓	
	S2090	✓	
	S3050	✓	
	S3070	✓	

# 336 Standard and Optional Equipment

## Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
<b>ENGINE</b>			<b>UNDERCARRIAGE AND STRUCTURES</b>		
Three selectable modes: Power, Smart, Eco	✓		Towing eye on base frame	✓	
Automatic engine speed control	✓		Full-length track guiding guards		✓
52° C (126° F) high-ambient cooling capacity	✓		Segmented track guiding guards		✓
Hydraulic reverse fan		✓	Swivel guard	✓	
-18° C (0° F) cold start capability	✓		HD bottom guard	✓	
-32° C (-25° F) cold start capability		✓	HD travel motor guard	✓	
Double element air filter with integrated precleaner	✓		Grease lubricated track	✓	
Dual stage four micron main filter and 10 micron primary filter with water separator and water separator indicator switch	✓		6.8 mt (14,991 lb) counterweight	✓	
Biodiesel capability up to B20	✓		600 mm (24") double grouser track shoes		✓
Remote disable	✓		700 mm (28") triple grouser track shoes		✓
<b>HYDRAULIC SYSTEM</b>			<b>BOOMS, STICKS AND LINKAGES</b>		
Boom and stick regeneration circuit	✓		6.18 m (20'3") Mass boom		✓
Electronic main control valve	✓		6.5 m (21'4") HD Reach boom		✓
Heavy lift mode	✓		2.55 m (8'4") stick		✓
Automatic hydraulic oil warm up	✓		3.2 m (10'6") HD stick		✓
Bio hydraulic oil capability	✓		Bucket linkage, TB family with lifting eye, Cat GRADE		✓
Reverse swing damping valve	✓		Bucket linkage, DB family with lifting eye, Cat GRADE		✓
Automatic swing parking brake	✓		<b>ELECTRICAL SYSTEM</b>		
High performance hydraulic return filter	✓		Maintenance-free 1,000 CCA batteries (×2)	✓	
Two speed travel	✓		Centralized electrical disconnect switch	✓	
Fine swing		✓	LED chassis light, LH and RH boom lights, cab lights	✓	
Combined two-way auxiliary circuit		✓	Premium surround working lights		✓
Quick coupler circuit for Cat Pin Grabber		✓	<i>(continued on next page)</i>		

## Standard and Optional Equipment *(continued)*

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

	Standard	Optional		Standard	Optional
<b>CAT TECHNOLOGY</b>			<b>SERVICE AND MAINTENANCE</b>		
Cat Product Link™	✓		Grouped location of engine oil and fuel filters	✓	
Work tool recognition	✓		Scheduled Oil Sampling (S·O·S <sup>SM</sup> ) ports	✓	
Work tool tracking*	✓		QuickEvac™ maintenance ready		✓
Laser catcher		✓	Electric refueling pump		✓
Cat GRADE with 2D and offset memory	✓		<b>SAFETY AND SECURITY</b>		
Cat GRADE with Advanced 2D		✓	Caterpillar One Key security system	✓	
Cat GRADE with 3D connectivity:		✓	Lockable external tool/storage box	✓	
– Virtual Reference Station**			Lockable door, fuel, and hydraulic tank locks	✓	
– Internet Base Service Station**			Lockable fuel drain compartment	✓	
– Trimble Connected Community**			Service platform with anti-skid plate and recessed bolts	✓	
Cat Assist:	✓		RH handrail and hand hold (ISO 2867:2011 compliant)	✓	
– Grade Assist			Signaling/warning horn	✓	
– Boom Assist			Ground-level secondary engine shutoff switch	✓	
– Bucket Assist			Rearview camera	✓	
– Swing Assist			360° visibility		✓
– Lift Assist					
Cat PAYLOAD:	✓				
– Static weigh					
– Semiauto calibration					
– Payload/cycle information					
– USB reporting capability					
2D E-Fence:	✓				
– E-ceiling					
– E-floor					
– E-swing					
– E-wall					
– E-cab avoidance					
Auto hammer stop	✓				
Remote Services capability	✓				
Auto Dig Boost	✓				

\*Paired with PL161 attachment locator.

\*\*Subscription required.

## Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

### CAB

- Radial lower wiper
- Polycarbonate roof hatch
- P5A glass for demolition
- Rain protector plus cab light cover

### SAFETY AND SECURITY

- Bluetooth® key fob

### GUARDS

- Side rubber bumper guard
- Falling object guard system (not compatible with cab light cover, rain protector)
- Mesh guard full front (not compatible with cab light cover, rain protector)
- Mesh guard lower half front

## Cab Options

	Comfort	Deluxe
ROPS, standard sound suppression	●	●
High-resolution 203 mm (8") LCD touchscreen monitor	●	●
High-resolution 254 mm (10") LCD touchscreen monitor	X	○
High-resolution 254 mm (10") LCD touchscreen monitor + additional monitor (for use with Cat GRADE with Advanced 2D or Cat GRADE with 3D)	○	○
Automatic bi-level air conditioner	●	●
Jog dial and shortcut keys for monitor control	●	●
Keyless push-to-start engine control	●	●
Height-adjustable console, three steps with tool	●	X
Height-adjustable console, infinite with no tool	X	●
Mechanically adjustable seat suspension	●	X
Heated seat with air-adjustable suspension	X	●
51 mm (2") seat belt	●	●
Fixed left-side console	●	X
Tilt-up left-side console	X	●
Bluetooth integrated radio with USB ports	●	●
12V DC outlets	●	●
Document storage	●	●
Rear head storage net and lunchbox storage net	X	●
Cup and bottle holders	●	●
Openable two-piece front window	●	●
Upper radial wiper with washer	●	●
Radial lower wiper	○	○
Openable steel hatch	●	X
Openable polycarbonate skylight hatch	X	●
LED dome light	●	●
Floor welcome light	●	●
Roller front sunscreen	●	●
Roller rear sunscreen	○	○
Washable floor mat	●	●
Beacon ready	●	●

- Standard
- Optional
- X Not available



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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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AEXQ2364-03 (09-2020)  
Replaces AEXQ2364-02  
Build Number: 07C  
(S Am/Brazil)

