



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® C7.1 TTA	
Net Power		
ISO 9249	223.5 kW	300 hp
ISO 9249 (DIN)	304 hp (metric)	
Engine Power		
ISO 14396	225 kW	302 hp
ISO 14396 (DIN)	306 hp (metric)	
Bore	105 mm	4 in
Stroke	135 mm	5 in
Displacement	7.01 L	428 in ³
Biodiesel capability	Up to B20 ⁽¹⁾	

- Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
- Recommended for use up to 4500 m (14,760 ft) altitude with engine power derate above 3000 m (9,840 ft).
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system, and alternator with engine speed at 2,000 rpm.

⁽¹⁾Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to:

- ✓ 20% biodiesel FAME (fatty acid methyl ester)***
- ✓ 100% renewable diesel, HVO (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels

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

* While Cat engines are compatible with these alternative fuels, some regions may not allow their use.

** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

*** Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).

Swing Mechanism

Swing Speed	8.84 rpm	
Maximum Swing Torque	143 kN·m	105,250 lbf·ft

Weights

Operating Weight	36 800 kg	81,100 lb
• Long Wide Undercarriage, Reach Boom, R3.9DB (12'10") Stick, Heavy Duty (HD) 2.12 m ³ (2.77 yd ³) Bucket, 850 mm (33") Triple Grouser Shoes, 6.8 mt (15,000 lb) Counterweight.		

Track

Optional Track Shoes Width	850 mm	33 in
Optional Track Shoes Width	800 mm	31 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

Maximum Gradeability	35°/70%	
Maximum Travel Speed	4.7 km/h	2.9 mph
Maximum Drawbar Pull	302.5 kN	68,005 lbf

Hydraulic System

Main System – Maximum Flow (Implement)	560 L/min (280 × 2 pumps)	148 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	39 L	10.2 gal
Engine Oil (with filter)	25 L	6.6 gal
Swing Drive	18 L	4.8 gal
Final Drive (each)	8 L	2.1 gal
Hydraulic System (including tank)	373 L	98.5 gal
Hydraulic Tank (including suction pipe)	161 L	42.5 gal
Diesel Exhaust Fluid (DEF) Tank	50 L	13.2 gal

Standards

Brakes	ISO 10265:2008	
Cab/Operator Protective Guards (OPG) (optional)	ISO 10262:1998 Level II	
Cab/Rollover Protective Structure (ROPS)	ISO 12117-2:2008	

Sound Performance

ISO 6395:2008 (external)	105 dB(A)
ISO 6396:2008 (inside cab)	72 dB(A)

- External Sound – The spectator sound power level is measured according to the test procedures and conditions specified in ISO 6395:2008 for a Cat machine that is properly equipped and maintained. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Internal Sound – The operator sound pressure level is measured according to the test procedures and conditions specified in ISO 6396:2008 for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors/ windows open) for extended periods or in noisy environment(s).

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas.
 - If equipped with R134a (Global Warming Potential = 1430), the system contains .90 kg (1.984 lb.) of refrigerant, which has a CO₂ equivalent of 1.287 metric tonnes (1.419 tons).
 - If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 0.780 kg (1.719 lb.) of refrigerant, which has a CO₂ equivalent of 0.001 metric tonnes (0.001 tons).

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Operating Weights and Ground Pressures

Base Machine Configurations	700 mm (28") Triple Grouser Track Shoes		800 mm (31") Triple Grouser Track Shoes		850 mm (33") Triple Grouser Track Shoes	
	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure
	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
Base Frame with Track Rollers and Carrier Rollers						
6.8 mt (15,000 lb) Counterweight + Long Wide Undercarriage						
Reach Boom + R3.9 m DB (12'10") Stick + 2.0 m ³ (2.61 yd ³) HD Bucket	35,900 (79,200)	57.4 (8.3)	36 600 (80,700)	51.2 (7.4)	36 800 (81,200)	48.4 (7.0)
Reach Boom + R3.2 m DB (10'6") Stick + 2.0 m ³ (2.61 yd ³) HD Bucket	35 800 (78,900)	57.1 (8.3)	36 400 (80,300)	50.9 (7.4)	36 600 (80,800)	48.2 (7.0)
Mass Boom + M2.55 m TB (8'4") Stick + 2.41 m ³ (3.15 yd ³) Severe Duty V-Edge (SDV) Bucket	37 100 (81,700)	59.2 (8.6)	37 700 (83,100)	52.7 (7.6)	37 900 (83,600)	49.9 (7.2)

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

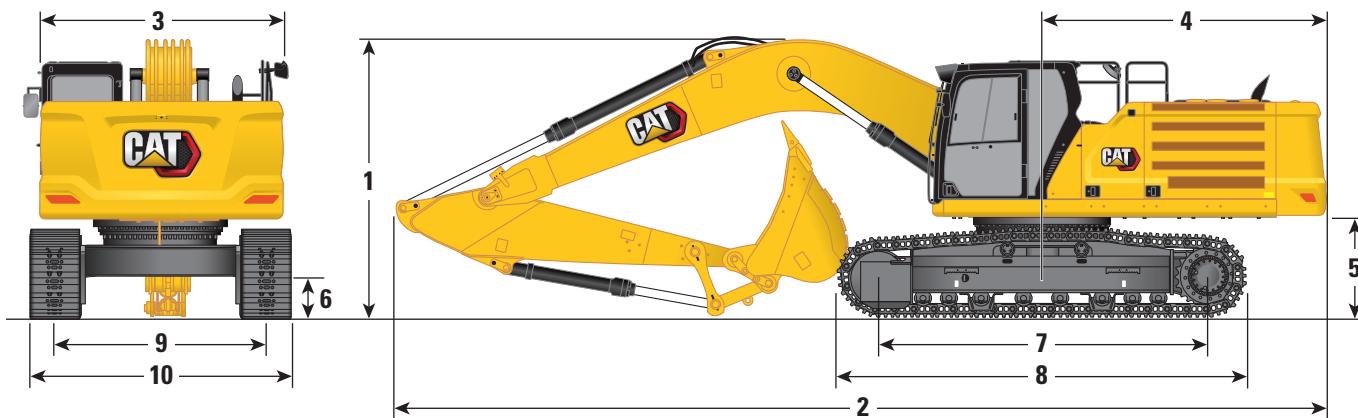
Major Component Weights

	kg	lb
Base Machine with 6.8 mt (15,000 lb) Counterweight, Standard Swing Frame, Base Frame with Track Rollers and Carrier Rollers for Long Wide Undercarriage	23 890	52,670
Track Shoes:		
700 mm (28") Width, 11 mm (0.43") Thick, Triple Grouser (TG) Track Shoes	4450	9,800
800 mm (31") Width, 13 mm (0.51") Thick, TG Track Shoes	5100	11,230
850 mm (33") Width, 13 mm (0.51") Thick, TG Track Shoes	5300	11,690
Two Boom Cylinders	670	1,470
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	550	1,210
Counterweight:		
6.8 mt (15,000 lb) Counterweight	6800	14,990
Swing Frame:		
Standard Swing Frame	3160	6,960
Undercarriage:		
Base Frame with Track Rollers and Carrier Rollers	8480	18,700
Booms (including lines, pins, stick cylinder):		
Reach Boom 6.5 m (21'4")	3280	7,230
Mass Boom 6.18 m (20'3")	3500	7,710
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick R3.2DB (10'6")	1860	4,100
Reach Stick R3.9DB (12'10")	2040	4,490
Mass Stick M2.55TB (8'4")	2120	4,680
Buckets (without linkage):		
2.00 m ³ (2.61 yd ³) HD	1750	3,850
2.41 m ³ (3.15 yd ³) Severe Duty V-Edge (SDV)	2550	5,630
Quick Coupler (QC):		
Pin Grabber QC	700	1,550

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Dimensions

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



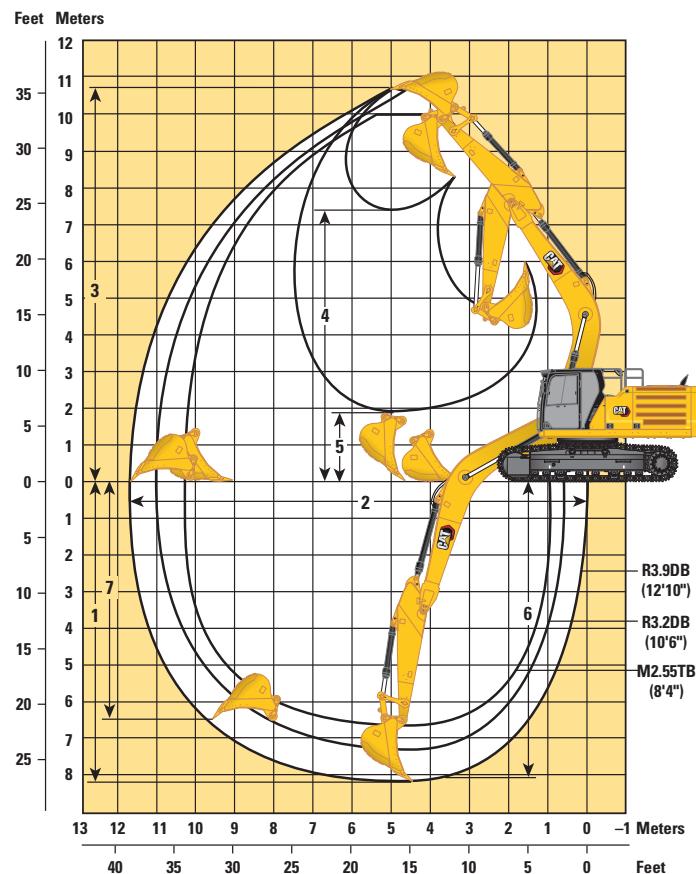
Undercarriage Option

Long Wide Undercarriage

Boom Options	Reach Boom 6.5 m (21'4")	Mass Boom 6.18 m (20'3")				
Stick Options	Reach Stick	Mass Stick				
	R3.9DB (12'10")	R3.2DB (10'6")	M2.55TB (8'4")			
1 Machine Height:						
Cab height	3180 mm	10'5"	3180 mm	10'5"	3180 mm	10'5"
OPG height	3330 mm	10'11"	3330 mm	10'11"	3330 mm	10'11"
Guardrails/Handrails Height	3180 mm	10'5"	3180 mm	10'5"	3180 mm	10'5"
With Boom/Stick/Bucket Installed	3660 mm	12'0"	3480 mm	11'5"	3610 mm	11'10"
With Boom/Stick Installed	3560 mm	11'8"	3330 mm	10'11"	3410 mm	11'2"
With Boom Installed	2880 mm	9'5"	2880 mm	9'5"	2830 mm	9'3"
With Boom/Stick/Bucket Installed (with auxiliary lines)	3670 mm	12'0"	3530 mm	11'7"	3620 mm	11'11"
With Boom/Stick Installed (with auxiliary lines)	3620 mm	11'11"	3410 mm	11'2"	3420 mm	11'3"
With Boom Installed (with auxiliary lines)	2970 mm	9'9"	2970 mm	9'9"	2900 mm	9'6"
2 Machine Length:						
With Boom/Stick/Bucket Installed	11 180 mm	36'8"	11 160 mm	36'7"	10 870 mm	35'8"
With Boom/Stick Installed	11 170 mm	36'8"	11 120 mm	36'6"	10 830 mm	35'6"
With Boom Installed	9960 mm	32'8"	9960 mm	32'8"	9640 mm	31'8"
With Boom/Stick/Bucket Installed (with auxiliary lines)	11 180 mm	36'8"	11 160 mm	36'7"	10 870 mm	35'8"
With Boom/Stick Installed (with auxiliary lines)	11 170 mm	36'8"	11 120 mm	36'6"	10 830 mm	35'6"
With Boom Installed (with auxiliary lines)	10 010 mm	32'10"	10 010 mm	32'10"	9640 mm	31'8"
3 Upperframe Width without Walkways						
	2970 mm	9'9"	2970 mm	9'9"	2970 mm	9'9"
4 Tail Swing Radius						
	3530 mm	11'7"	3530 mm	11'7"	3530 mm	11'7"
5 Counterweight Clearance						
	1260 mm	4'2"	1260 mm	4'2"	1260 mm	4'2"
6 Ground Clearance						
	510 mm	1'8"	510 mm	1'8"	510 mm	1'8"
7 Track Length – Length to Center of Rollers						
	4040 mm	13'3"	4040 mm	13'3"	4040 mm	13'3"
8 Track Length						
	5030 mm	16'6"	5030 mm	16'6"	5030 mm	16'6"
9 Track Gauge – Extended						
	2740 mm	9'0"	2740 mm	9'0"	2740 mm	9'0"
10 Track Width/Undercarriage Width (with steps):						
700 mm (28") Shoes	3440 mm	11'3"	3440 mm	11'3"	3440 mm	11'3"
800 mm (31") Shoes	3540 mm	11'7"	3540 mm	11'7"	3540 mm	11'7"
850 mm (33") Shoes	3590 mm	11'9"	3590 mm	11'9"	3590 mm	11'9"
Bucket Type				HD	HD	SDV
Bucket Capacity	2.00 m ³	2.61 yd ³	2.00 m ³	2.61 yd ³	2.41 m ³	3.15 yd ³
Bucket Tip Radius	1790 mm	5'9"	1790 mm	5'9"	1910 mm	6.3 ft

Working Ranges and Forces

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



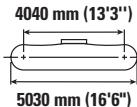
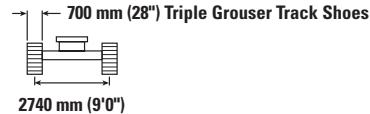
Undercarriage Option

Long Wide Undercarriage

Boom Options	Reach Boom 6.5 m (21'4")		Mass Boom 6.18 m (20'3")	
Stick Options	Reach Stick		Mass Stick	
	R3.9DB (12'10")	R3.2DB (10'6")	M2.55TB (8'4")	
1 Maximum Digging Depth	8210 mm	26'11"	7510 mm	24'8"
2 Maximum Reach at Ground Line	11 760 mm	38'7"	11 060 mm	36'3"
3 Maximum Cutting Height	10 740 mm	35'3"	10 320 mm	33'10"
4 Maximum Loading Height	7470 mm	24'6"	7090 mm	23'3"
5 Minimum Loading Height	1890 mm	6'2"	2590 mm	8'6"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	8080 mm	26'6"	7360 mm	24'2"
7 Maximum Vertical Wall Digging Depth	6490 mm	21'4"	5690 mm	18'8"
Bucket Digging Force (ISO)	210 kN	47,190 lbf	210 kN	47,190 lbf
Stick Digging Force (ISO)	144 kN	32,480 lbf	166 kN	37,340 lbf
Bucket Digging Force (ISO) – auto dig boost	228 kN	51,230 lbf	228 kN	51,230 lbf
Stick Digging Force (ISO) – auto dig boost	157 kN	35,270 lbf	180 kN	40,540 lbf
Bucket Type	HD		HD	
Bucket Capacity	2.00 m ³	2.61 yd ³	2.00 m ³	2.61 yd ³
Bucket Tip Radius	1790 mm	5'9"	1790 mm	5'9"
			2.41 m ³	3.15 yd ³
			1910 mm	6.3 ft

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Reach Boom Lift Capacities – Counterweight: 6.8 mt (15,000 lb) – without Bucket, Heavy Lift: On



		1500 mm (5'0")		3000 mm (10'0")		4500 mm (15'0")		6000 mm (20'0")		7500 mm (25'0")		9000 mm (30'0")							
9000 mm 30'0"	kg lb														*6200 *13,800	*6200 *13,800	7350 23'7"		
7500 mm 25'0"	kg lb															*5750 *12,750	*5750 *12,750	8540 27'8"	
6000 mm 20'0"	kg lb														*5600 *12,350	*5600 *12,350	9340 30'5"		
4500 mm 15'0"	kg lb														*5600 *12,350	*5600 *12,350	9840 32'2"		
3000 mm 10'0"	kg lb														5500 *12,700	*5800 *12,700	10 100 10,000		
1500 mm 5'0"	kg lb														*6150 *13,450	*6150 *13,450	10 130 33'2"		
0 mm 0'0"	kg lb														*6700 *14,700	*6700 *14,700	4550 9,900		
-1500 mm -5'0"	kg lb	*8600 *19,200	*8600 *19,200	*12 900 *29,100	*12 900 *29,100	*20 350 *44,100	*20 350 *44,100	13 650 29,350	13 650 29,350	13 900 19,250	13 900 19,250	8950 21,350	9900 14,100	6550 16,450	7650 16,450	5100 11,000	7100 15,650	4750 10,450	9490 31'1"
-3000 mm -10'0"	kg lb	*13 650 *30,550	*13 650 *30,550	*18 800 *42,500	*18 800 *42,500	*19 500 *42,200	*19 500 *42,200	13 650 29,350	13 650 29,350	13 850 19,150	13 850 19,150	8900 21,300	9900 14,050	6500 14,400			7950 17,600	5300 11,750	8770 28'7"
-4500 mm -15'0"	kg lb	*19 600 *44,000	*19 600 *44,000	*24 100 *52,000	*24 100 *52,000	*17 400 *37,450	*17 400 *37,450	13 900 29,850	13 900 29,850	*13 200 19,450	9000 19,450	*9900 *20,850	6650 14,400				*9450 *20,800	6450 14,400	7690 25'0"
-6000 mm -20'0"	kg lb															*9250 *20,200	*9250 *20,200	6060 19'5"	



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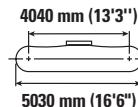
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

336 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 6.8 mt (15,000 lb) – without Bucket, Heavy Lift: On



		1500 mm (5'0")		3000 mm (10'0")		4500 mm (15'0")		6000 mm (20'0")		7500 mm (25'0")		9000 mm (30'0")							
																mm ft/in			
9000 mm 30'0"	kg lb															*6200 *13,800	*6200 *13,800	7350 23'7"	
7500 mm 25'0"	kg lb															*5750 *12,750	*5750 *12,750	8540 27'8"	
6000 mm 20'0"	kg lb															*5600 *12,350	*5600 *12,350	9340 30'5"	
4500 mm 15'0"	kg lb															*5600 *12,350	*5600 *12,350	9840 32'2"	
3000 mm 10'0"	kg lb															5600 *12,700	*5800 *12,700	4650 10,200	10 100 33'1"
1500 mm 5'0"	kg lb															5400 *13,450	*6150 *13,450	4500 9,950	10 130 33'2"
0 mm 0'0"	kg lb															5250 *14,700	*6700 *14,700	4600 10,050	9930 32'6"
-1500 mm -5'0"	kg lb	*8600 *19,200	*8600 *19,200	*12 900 *29,100	*12 900 *29,100	*20 350 *44,100	13 900 29,850	14 150 30,450	9100 19,600	10 100 21,750	6650 14,350	7800 16,750	5200 16,750	7250 11,200	4850 15,950	9490 10,650	11,950 31'1"		
-3000 mm -10'0"	kg lb	*13 650 *30,550	*13 650 *30,550	*18 800 *42,500	*18 800 *42,200	*19 500 *29,900	13 900 30,300	14 100 19,500	9050 21,700	10 050 14,300	6650 6800	7800 8800	5200 6800	8100 11,950	4850 11,950	8770 28'7"			
-4500 mm -15'0"	kg lb	*19 600 *44,000	*19 600 *44,000	*24 100 *52,000	*24 100 *52,000	*17 400 *37,450	14 150 30,400	*13 200 *28,300	9200 19,800	*9900 *20,850	6800 14,650					*9450 *20,800	6600 14,650	7690 25'0"	
-6000 mm -20'0"	kg lb															*9250 *20,200	*9250 *20,200	6060 19'5"	



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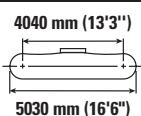
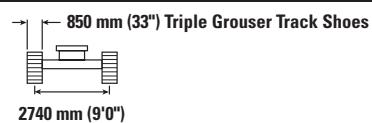
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Lift capacity stays with $\pm 5\%$ for all available track shoes.

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Reach Boom Lift Capacities – Counterweight: 6.8 mt (15,000 lb) – without Bucket, Heavy Lift: On



		1500 mm (5'0")		3000 mm (10'0")		4500 mm (15'0")		6000 mm (20'0")		7500 mm (25'0")		9000 mm (30'0")														
														mm ft/in												
9000 mm 30'0"	kg lb													*6200 *13,800	*6200 *13,800	7350 23'7"										
7500 mm 25'0"	kg lb													*7700 *16,950	*7700 *16,950	*5750 *12,750	*5750 *12,750	8540 27'8"								
6000 mm 20'0"	kg lb													*8000 *17,450	*8000 *17,200	*7450 *14,400	*5600 *12,350	5500 12,250	9340 30'5"							
4500 mm 15'0"	kg lb													*9750 *21,150	*9750 *21,150	*8750 *19,000	*8150 *17,850	5800 12,400	4950 *12,350	9840 32'2"						
3000 mm 10'0"	kg lb													*15,300 *32,850	*15,300 *32,850	*11,600 *25,050	10,400 22,350	*9750 *21,100	7450 16,000	8250 17,700	5600 12,050	*5800 *12,700	4650 10,250	10,100 33'1"		
1500 mm 5'0"	kg lb													*18,450 *39,800	14,850 32,000	*13,300 *28,750	9,800 21,100	10,600 22,800	7,100 15,300	8,050 17,300	5,450 11,700	*6150 *13,450	4550 10,000	10,130 33'2"		
0 mm 0'0"	kg lb													*8250 *18,700	*8250 *18,700	*20,100 *43,500	14,200 30,550	14,500 31,150	9,350 20,200	10,350 22,200	6,850 14,750	7,900 17,000	5,300 11,400	*6700 *14,700	4600 10,150	9930 32'6"
-1500 mm -5'0"	kg lb	*8600 *19,200	*8600 *19,200	*12,900 *29,100	*12,900 *29,100	*20,350 *44,100	13,950 30,000	14,250 19,700	9,150 19,600	10,150 21,850	6,700 14,450	7,800 16,850	5,250 11,250	7,250 16,050	4,850 10,750	9,490 31'1"										
-3000 mm -10'0"	kg lb	*13,650 *30,550	*13,650 *30,550	*18,800 *42,500	*18,800 *42,500	*19,500 *42,200	14,000 30,050	14,200 19,600	9,100 21,800	10,150 14,400	6,700 14,750	7,800 14,750	5,250 11,250	8,150 18,000	5,450 12,050	8,770 28'7"										
-4500 mm -15'0"	kg lb	*19,600 *44,000	*19,600 *44,000	*24,100 *52,000	*24,100 *52,000	*17,400 *37,450	14,200 30,550	14,200 19,900	*13,200 *28,300	9,250 *20,850	*9900 14,750	6,800 14,750	5,250 11,250	*9450 *20,800	6,600 14,750	7,690 25'0"										
-6000 mm -20'0"	kg lb													*13,250 *27,950	*13,250 *27,950	*9400 *9400					*9250 *20,200	*9250 *20,200	6,060 19'5"			



ISO 10567:2007



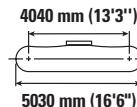
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Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

336 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 6.8 mt (15,000 lb) – without Bucket, Heavy Lift: On



		3000 mm (10'0")		4500 mm (15'0")		6000 mm (20'0")		7500 mm (25'0")		9000 mm (30'0")				
												mm	ft/in	
7500 mm 25'0"	kg lb							*8750	7800			*7350 *16,300	*7350 *16,300	7700 24'11"
6000 mm 20'0"	kg lb							*8900 *19,450	7750 16,650			*7150 *15,800	6150 13,700	8580 27'11"
4500 mm 15'0"	kg lb			*13 500 *23,550	*13 500 *23,550	*10 900 *22,800	10 600 22,800	*9550 *20,800	7500 16,150	8200	5600	*7200 *15,850	5500 12,100	9130 29'10"
3000 mm 10'0"	kg lb			*17 150 *36,800	15 250 32,900	*12 600 *27,250	10 000 21,600	*10 450 *22,650	7250 15,550	8050 17,250	5500 11,800	*7500 *16,500	5100 11,250	9410 30'10"
1500 mm 5'0"	kg lb			*19 750 *42,550	14 300 30,800	*14 100 *30,500	9500 20,500	10 350 22,250	6950 14,950	7900 16,950	5350 11,500	7350 16,200	5000 10,950	9440 30'11"
0 mm 0'0"	kg lb			*20 600 *44,600	13 900 29,900	14 150 30,450	9200 19,750	10 150 21,800	6750 14,550	7800 16,750	5250 11,300	7500 16,550	5100 11,150	9220 30'2"
-1500 mm -5'0"	kg lb	*14 050 *31,800	*14 050 *31,800	*20 200 *43,800	13 800 29,700	14 000 30,100	9050 19,450	10 000 21,550	6650 14,350			8100 17,800	5450 11,950	8750 28'7"
-3000 mm -10'0"	kg lb	*22 200 *50,200	*22 200 *50,200	*18 750 *40,600	13 950 29,950	14 050 30,200	9050 19,550	10 050 21,700	6700 14,450			9300 20,550	6200 13,750	7960 25'11"
-4500 mm -15'0"	kg lb	*21 100 *45,450	*21 100 *45,450	*15 900 *34,150	14 250 30,650	*12 050 *25,650	9300 20,050					*10 200 *22,400	7950 17,800	6750 21'10"



ISO 10567:2007



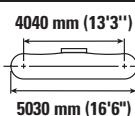
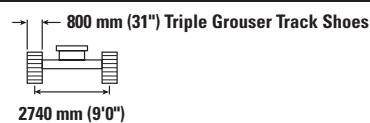
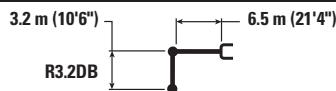
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336 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 6.8 mt (15,000 lb) – without Bucket, Heavy Lift: On



		3000 mm (10'0")		4500 mm (15'0")		6000 mm (20'0")		7500 mm (25'0")		9000 mm (30'0")			
												mm ft/in	
7500 mm 25'0"	kg lb							*8750	7950			*7350 *16,300	*7350 *16,300
6000 mm 20'0"	kg lb							*8900 *19,450	7850 16,900			*7150 *15,800	6250 13,950
4500 mm 15'0"	kg lb			*13 500	*13 500	*10 900 *23,550	10 750 23,150	*9550 *20,800	7650 16,450	8300	5700	*7200 *15,850	5550 12,300
3000 mm 10'0"	kg lb			*17 150 *36,800	15 500 33,400	*12 600 *27,250	10 150 21,900	*10 450 *22,650	7350 15,800	8200	5600	*7500 *16,500	5200 11,450
1500 mm 5'0"	kg lb			*19 750 *42,550	14 550 31,300	*14 100 *30,500	9650 20,850	10 550 22,650	7050 15,200	8050	5450	7500 16,500	5100 11,150
0 mm 0'0"	kg lb			*20 600 *44,600	14 150 30,400	14 400 31,000	9350 20,100	10 300 22,200	6850 14,800	7950	5350	7650 16,850	5150 11,350
-1500 mm -5'0"	kg lb	*14 050 *31,800	*14 050 *31,800	*20 200 *43,800	14 050 30,200	14 250 30,650	9200 19,800	10 200 21,950	6750 14,600			8250 18,150	5550 12,200
-3000 mm -10'0"	kg lb	*22 200 *50,200	*22 200 *50,200	*18 750 *40,600	14 150 30,450	*14 300 30,750	9250 19,900	10 250 22,100	6800 14,700			9450 20,950	6350 14,000
-4500 mm -15'0"	kg lb	*21 100 *45,450	*21 100 *45,450	*15 900 *34,150	14 500 31,150	*12 050 *25,650	9450 20,400					*10 200 *22,400	8100 18,100



ISO 10567:2007



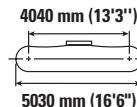
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Lift capacity stays with $\pm 5\%$ for all available track shoes.

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336 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 6.8 mt (15,000 lb) – without Bucket, Heavy Lift: On



		3000 mm (10'0")		4500 mm (15'0")		6000 mm (20'0")		7500 mm (25'0")		9000 mm (30'0")			
7500 mm 25'0"	kg lb							*8750	7950			*7350 *16,300	*7350 *16,300
6000 mm 20'0"	kg lb							*8900 *19,450	7900 16,950			*7150 *15,800	6300 14,000
4500 mm 15'0"	kg lb			*13 500	*13 500	*10 900 *23,550	10 800 23,250	*9550 *20,800	7700 16,500	8350	5750	*7200 *15,850	5600 12,350
3000 mm 10'0"	kg lb			*17 150 *36,800	15 550 33,550	*12 600 *27,250	10 200 22,050	*10 450 *22,650	7400 15,900	8250 17,650	5600 12,050	*7500 *16,500	5250 11,550
1500 mm 5'0"	kg lb			*19 750 *42,550	14 600 31,500	*14 100 *30,500	9700 20,950	10 600 22,800	7100 15,300	8100 17,350	5450 11,750	7550 16,550	5100 11,250
0 mm 0'0"	kg lb			*20 600 *44,600	14 200 30,550	14 500 31,150	9400 20,200	10 350 22,300	6900 14,850	7950 17,150	5350 11,550	7700 11,950	5200 11,450
-1500 mm -5'0"	kg lb	*14 050 *31,800	*14 050 *31,800	*20 200 *43,800	14 150 30,350	14 350 30,800	9250 19,900	10 250 22,100	6800 14,650			8250 18,250	5550 12,250
-3000 mm -10'0"	kg lb	*22 200 *50,200	*22 200 *50,200	*18 750 *40,600	14 250 30,600	*14 300 *30,850	9300 20,000	10 300 22,200	6850 14,800			9500 21,050	6350 14,100
-4500 mm -15'0"	kg lb	*21 100 *45,450	*21 100 *45,450	*15 900 *34,150	14 550 31,300	*12 050 *25,650	9500 20,500					*10 200 *22,400	8150 18,200



ISO 10567:2007



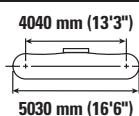
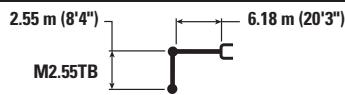
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336 Hydraulic Excavator Specifications

Mass Boom Lift Capacities – Counterweight: 6.8 mt (15,000 lb) – without Bucket, Heavy Lift: On



		3000 mm (10'0")		4500 mm (15'0")		6000 mm (20'0")		7500 mm (25'0")				
											mm ft/in	
7500 mm 25'0"	kg lb					*10 150 *22,400	*10 150 *22,400			*9000 *19,900	*9000 *19,900	6580 21'3"
6000 mm 20'0"	kg lb					*10 500 *22,850	*10 500 *22,850	9800	7350	*8550 *18,850	7200 16,000	7600 24'8"
4500 mm 15'0"	kg lb			*14 700 *31,550	*14 700 *31,550	*11 650 *25,300	10 250 22,000	*10 250 *22,300	7200 15,450	*8550 *18,850	6200 13,700	8210 26'10"
3000 mm 10'0"	kg lb			*18 000 *38,650	14 700 31,750	*13 150 *28,450	9650 20,800	10 350 22,300	6950 14,900	8500 18,700	5700 12,550	8520 27'11"
1500 mm 5'0"	kg lb			*20 000 *43,200	13 900 29,900	14 250 30,600	9200 19,800	10 100 21,700	6700 14,400	8300 18,250	5550 12,150	8550 28'0"
0 mm 0'0"	kg lb			*20 200 *43,800	13 600 29,200	13 900 29,900	8900 19,200	9950 21,350	6550 14,050	8550 18,850	5700 12,500	8310 27'3"
-1500 mm -5'0"	kg lb	*17 800 *40,400	*17 800 *40,400	*19 200 *41,650	13 600 29,200	13 850 29,750	8850 19,050	9900 21,350	6500 14,050	9400 20,800	6200 13,700	7780 25'5"
-3000 mm -10'0"	kg lb	*22 000 *47,800	*22 000 *47,800	*16 950 *36,600	13 800 29,700	*12 900 *27,650	9000 19,350			*10 600 *23,350	7500 16,600	6880 22'5"
-4500 mm -15'0"	kg lb			*12 450 *26,300	*12 450 *26,300					*9850 *21,500	*9850 *21,500	5430 17'6"



ISO 10567:2007



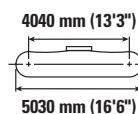
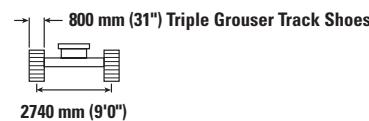
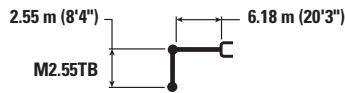
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Mass Boom Lift Capacities – Counterweight: 6.8 mt (15,000 lb) – without Bucket, Heavy Lift: On



		3000 mm (10'0")		4500 mm (15'0")		6000 mm (20'0")		7500 mm (25'0")				
										mm ft/in		
7500 mm 25'0"	kg lb					*10 150 *22,400	*10 150 *22,400			*9000 *19,900	*9000 *19,900	6580 21'3"
6000 mm 20'0"	kg lb					*10 500 *22,850	*10 500 *22,850	9800	7450	*8550 *18,850	7300 16,300	7600 24'8"
4500 mm 15'0"	kg lb			*14 700 *31,550	*14 700 *31,550	*11 650 *25,300	10 400 22,350	*10 250 *22,300	7300 15,700	*8550 *18,850	6300 13,900	8210 26'10"
3000 mm 10'0"	kg lb			*18 000 *38,650	14 950 32,250	*13 150 *28,450	9800 21,150	10 550 22,700	7050 15,150	8650 19,050	5800 12,750	8520 27'11"
1500 mm 5'0"	kg lb			*20 000 *43,200	14 100 30,400	*14 350 *31,100	9350 20,150	10 300 22,100	6800 14,650	8450 18,600	5650 12,400	8550 28'0"
0 mm 0'0"	kg lb			*20 200 *43,800	13 850 29,700	14 150 30,450	9050 19,550	10 100 21,750	6650 14,300	8700 19,200	5800 12,700	8310 27'3"
-1500 mm -5'0"	kg lb	*17 800 *40,400	*17 800 *40,400	*19 200 *41,650	13 850 29,700	14 100 30,250	9000 19,400	10 100 21,700	6650 14,300	9600 21,150	6350 13,950	7780 25'5"
-3000 mm -10'0"	kg lb	*22 000 *47,800	*22 000 *47,800	*16 950 *36,600	14 050 30,200	*12 900 *27,650	9150 19,700			*10 600 *23,350	7600 16,900	6880 22'5"
-4500 mm -15'0"	kg lb			*12 450 *26,300	*12 450 *26,300					*9850 *21,500	*9850 *21,500	5430 17'6"



ISO 10567:2007



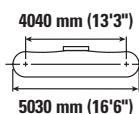
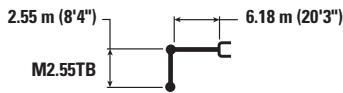
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336 Hydraulic Excavator Specifications

Mass Boom Lift Capacities – Counterweight: 6.8 mt (15,000 lb) – without Bucket, Heavy Lift: On



		3000 mm (10'0")		4500 mm (15'0")		6000 mm (20'0")		7500 mm (25'0")				
											mm ft/in	
7500 mm 25'0"	kg lb					*10 150 *22,400	*10 150 *22,400			*9000 *19,900	*9000 *19,900	6580 21'3"
6000 mm 20'0"	kg lb					*10 500 *22,850	*10 500 *22,850	9800	7500	*8550 *18,850	7350 16,350	7600 24'8"
4500 mm 15'0"	kg lb			*14 700 *31,550	*14 700 *31,550	*11 650 *25,300	10 450 22,450	*10 250 *22,300	7350 15,800	*8550 *18,850	6350 14,000	8210 26'10"
3000 mm 10'0"	kg lb			*18 000 *38,650	15 050 32,450	*13 150 *28,450	9850 21,250	10 600 22,800	7100 15,250	8700 19,150	5850 12,850	8520 27'11"
1500 mm 5'0"	kg lb			*20 000 *43,200	14 200 30,550	*14 350 *31,100	9400 20,250	10 350 22,250	6850 14,750	8500 18,700	5650 12,450	8550 28'0"
0 mm 0'0"	kg lb			*20 200 *43,800	13 900 29,900	14 250 30,600	9100 19,650	10 150 21,850	6700 14,400	8750 19,300	5800 12,800	8310 27'3"
-1500 mm -5'0"	kg lb	*17 800 *40,400	*17 800 *40,400	*19 200 *41,650	13 900 29,900	14 150 30,450	9050 19,500	10 150 21,850	6650 14,400	9650 21,300	6350 14,050	7780 25'5"
-3000 mm -10'0"	kg lb	*22 000 *47,800	*22 000 *47,800	*16 950 *36,600	14 150 30,400	*12 900 *27,650	9200 19,800			*10 600 *23,350	7650 17,000	6880 22'5"
-4500 mm -15'0"	kg lb			*12 450 *26,300	*12 450 *26,300					*9850 *21,500	*9850 *21,500	5430 17'6"



ISO 10567:2007



* 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.

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Typical Pass Match Guide

For maximum production and efficiency, we recommend that loading and hauling machines are matched to achieve optimal performance.

Configuration:*

Long Wide Undercarriage, Reach Boom, R3.9DB (12'10") Stick, Heavy Duty (HD) 2.12 m³ (2.77 yd³) Bucket, 850 mm (33") Triple Grouser Shoes, and 6.8 mt (15,000 lb) Counterweight.

Passes Required to Fill Trucks to Rated Capacity

Material Type	Material Density	Cat Articulated Trucks							Cat Off-Highway Trucks				
		725	730 EJ	730	735	740 GC	740 EJ	745	770G	772G	773E	773G	775G
Earth	1600 kg/m ³ (2,700 lb/yd ³)	7	8	8	10	11	11	12	11	14	17	16	19
Limestone	1540 kg/m ³ (2,600 lb/yd ³)	8	10	9	11	13	12	14	13	16	19	19	

* The indicated pass match reflects the machine configuration, fill factor, and typical material density shown. Changes to machine configurations, fill factors, or material density as well as jobsite-specific factors may influence exact pass match recommendations for your application. Consult your Cat dealer for more information.

336 Hydraulic Excavator Specifications

Bucket Specifications and Compatibility

Linkage	Width	Capacity	Weight	Fill	Long Wide Undercarriage								
					6.8 mt (15,000 lb) Counterweight		Reach		Mass				
					mm	in	m ³	yd ³	kg	lb	%	R3.9DB (12'10")	R3.2DB (10'6")
Pin-On (No Quick Coupler)													
General Duty	DB	1500	60	2.27	2.97	1470	3,240	100	○	⊖			
	DB	1650	65	2.50	3.27	1589	3,500	100	○	⊖			
	DB	1650	66	2.55	3.33	1556	3,430	100	○	⊖			
	DB	1750	69	2.70	3.53	1679	3,698	100	◇	○			
Heavy Duty	DB	900	35	0.95	1.24	1242	2,735	100	●	●			
	DB	1200	48	1.40	1.83	1404	3,095	100	●	●			
	DB	1350	54	1.64	2.14	1499	3,304	100	○	●			
	DB	1500	60	1.88	2.46	1631	3,596	100	⊖	○			
	DB	1600	63	2.00	2.62	1745	3,843	100	⊖	○			
	DB	1650	65	2.12	2.77	1822	4,013	100	○	⊖			
	DB	1800	72	2.36	3.08	1859	4,098	100	○	⊖			
	DB	1800	71	2.60	3.40	2052	4,519	100	◇	○			
Severe Duty	TB	1700	67	2.41	3.16	2509	5,531	90		⊖			
	TB	1850	74	2.69	3.52	2709	5,972	90		○			
Maximum load with pin-on (payload + bucket)								kg	4650	5320	6100		
								lb	10,251	11,729	13,448		
With Cat Pin Grabber Coupler													
General Duty	DB	1500	60	2.27	2.97	1470	3,240	100	◇	○			
	DB	1650	65	2.50	3.27	1589	3,500	100	◇	○			
	DB	1650	66	2.55	3.33	1556	3,430	100	◇	○			
	DB	1750	69	2.70	3.53	1679	3,698	100	X	◇			
Heavy Duty	DB	900	35	0.95	1.24	1242	2,735	100	●	●			
	DB	1200	48	1.40	1.83	1404	3,095	100	○	●			
	DB	1350	54	1.64	2.14	1499	3,304	100	⊖	○			
	DB	1500	60	1.88	2.46	1631	3,596	100	○	⊖			
	DB	1600	63	2.00	2.62	1745	3,843	100	◇	⊖			
	DB	1650	65	2.12	2.77	1822	4,013	100	◇	○			
	DB	1800	72	2.36	3.08	1859	4,098	100	◇	○			
	DB	1800	71	2.60	3.40	2052	4,519	100	X	◇			
Maximum load with coupler (payload + bucket)								kg	3952	4622	—		
								lb	8,713	10,190	—		

The above loads are in compliance with hydraulic excavator standard EN474-5:2022/AC:2022, 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:

- 2100 kg/m³ (3,500 lb/yd³)
- 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- 1200 kg/m³ (2,000 lb/yd³)
- ◇ 900 kg/m³ (1,500 lb/yd³)
- X Not Recommended

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

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

PIN-ON ATTACHMENTS

		Long	Wide	
		6.8 mt (15,000 lb)		
		Reach	Mass	
Stick Length		2.80 m (9'2")	3.20 m (10'6")	3.90 m (12'10")
Hydraulic Hammers	H130 GC	✓	✓	✓
	H130 GC S	✓	✓	✓
	H140 GC	✓	✓	✓
	H140 GC S	✓	✓	✓
	H140 S	✓	✓	✓
	H160 GC	✓	✓	✓
	H160 GC S	✓	✓	✓
	H160 S	✓	✓	✓
	H180 GC	✓	✓*	✓
	H180 GC S	✓	✓	✓*
	H180 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	✓	✓	✓
	MP332 Concrete Cutter Jaw-Flat Top	✓	✓	✓
	MP332 Demolition Jaw-Flat Top	✓	✓	✓*
	MP332 Pulverizer Jaw-Flat Top	✓	✓	✓*
	MP332 Shear Jaw-Flat Top	✓	✓	✓
	MP332 Tank Shear Jaw-Flat Top	✓	✓	
	MP332 Universal Jaw-Flat Top	✓	✓	✓*
Demolition and Sorting Grapples	G332	✓	✓	✓
	G345	✓	✓	✓
	G345 Flat Top	✓	✓	✓*
Mobile Scrap and Demolition Shears	S3035 Flat Top	✓	✓	✓
Pulverizers	P224 Secondary Pulverizer	✓	✓	✓
	P232 Secondary Pulverizer	✓	✓	✓
	P324 Primary Pulverizer	✓	✓	✓
	P332 Primary Pulverizer	✓	✓	✓
	P332 Primary Pulverizer-Flat Top	✓	✓	✓
Mulchers	HM5515	✓	✓	✓
	HM6015	✓	✓	✓

(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

No Match

1800 kg/m³ (3,000 lb/yd³)

1200 kg/m³ (2,000 lb/yd³)

PIN-ON ATTACHMENTS (continued)

		Long	Wide	
		6.8 mt (15,000 lb)		
		Reach	Mass	
Undercarriage				
Counterweight				
Boom Type				
Stick Length		2.80 m (9'2")	3.20 m (10'6")	3.90 m (12'10")
Compactors (Vibratory Plate)	CVP110	✓	✓	✓
Rotary Cutters	RC30	✓	✓	✓
	RC50			✓
Orange Peel Grapples	GSH440-950	●	●	●
	GSH440-1150	●	●	●
	GSH440-1550	●	○	○
	GSH455-1000	●	●	○
	GSH455-1500	○	○	
	GSH455-2000	○		
	GSH555-1000	●	○	○
	GSH555-1500	○		
Clamshell Grapples	CTV20-1500	●	●	○
	CTV20-2300	○		
	CTV30-1900	○		

(continued on next page)

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

		Long Wide	6.8 mt (15,000 lb)	
		Reach	Mass	
	Stick Length	2.80 m (9'2")	3.20 m (10'6")	3.90 m (12'10")
Hydraulic Hammers	H130 GC	✓	✓	✓
	H130 GC S	✓	✓	✓
	H140 GC	✓	✓	✓
	H140 GC S	✓	✓	✓
	H140 S	✓	✓	✓
	H160 GC	✓	✓	✓
	H160 GC S	✓	✓	✓
	H160 S	✓	✓	✓*
	H180 GC S	✓*		✓*
	H180 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	✓	✓	
	MP332 Concrete Cutter Jaw-Flat Top	✓	✓*	
	MP332 Demolition Jaw-Flat Top	✓	✓*	
	MP332 Pulverizer Jaw-Flat Top	✓*	✓*	
	MP332 Shear Jaw-Flat Top	✓	✓*	
	MP332 Universal Jaw-Flat Top	✓*	✓*	
Demolition and Sorting Grapples	G332	✓	✓	✓
	G345	✓	✓*	✓
	G345 Flat Top	✓	✓*	✓
Mobile Scrap and Demolition Shears	S3035 Flat Top	✓	✓	✓*
Pulverizers	P224 Secondary Pulverizer	✓	✓	✓
	P232 Secondary Pulverizer	✓	✓*	✓*
	P324 Primary Pulverizer	✓	✓	✓
	P332 Primary Pulverizer	✓	✓	
	P332 Primary Pulverizer-Flat Top	✓	✓*	
Mulchers	HM5515	✓	✓	✓
	HM6015	✓	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓	✓
Rotary Cutters	RC30	✓	✓	✓
	RC50			✓

(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

S80 DEDICATED COUPLER ATTACHMENTS

		Long Wide 6.8 mt (15,000 lb)	Reach	
		2.80 m (9'2")	3.20 m (10'6")	3.90 m (12'10")
Undercarriage				
Counterweight				
Boom Type				
Stick Length				
Hydraulic Hammers	H130 GC S	✓	✓	✓
	H140 GC S	✓	✓	✓
	H140 S	✓	✓	✓
	H160 GC	✓	✓	✓
	H160 GC S	✓	✓	✓
	H160 S	✓	✓	✓
	H180 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-Flat Top	✓	✓	
	MP332 Demolition Jaw-Flat Top	✓	✓*	
	MP332 Pulverizer Jaw-Flat Top	✓	✓*	
	MP332 Shear Jaw-Flat Top	✓	✓	
	MP332 Tank Shear Jaw-Flat Top	✓*		
	MP332 Universal Jaw-Flat Top	✓	✓*	
Demolition and Sorting Grapples	G332	✓	✓	✓
	G345	✓	✓	
	G345 Flat Top	✓	✓*	
Mobile Scrap and Demolition Shears	S3035 Flat Top	✓	✓	✓*
Pulverizers	P224 Secondary Pulverizer	✓	✓	✓
	P232 Secondary Pulverizer	✓	✓	
	P324 Primary Pulverizer	✓	✓	✓
	P332 Primary Pulverizer-Flat Top	✓	✓*	
Compactors (Vibratory Plate)	CVP110	✓	✓	✓
Rotary Cutters	RC30	✓	✓	✓

(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

HCS80 DEDICATED COUPLER ATTACHMENTS

		Long Wide	Reach	Mass
		6.8 mt (15,000 lb)		
Undercarriage				
Counterweight				
Boom Type				
Stick Length		2.80 m (9'2")	3.20 m (10'6")	3.90 m (12'10")
Hydraulic Hammers	H140 S	✓	✓	✓
	H160 S	✓	✓	✓
	H180 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-Flat Top	✓	✓*	
	MP332 Demolition Jaw-Flat Top	✓	✓*	
	MP332 Pulverizer Jaw-Flat Top	✓	✓*	
	MP332 Shear Jaw-Flat Top	✓	✓	
	MP332 Universal Jaw-Flat Top	✓	✓*	
Demolition and Sorting Grapples	G332	✓	✓	✓
	G345	✓	✓*	
	G345 Flat Top	✓	✓*	
Mobile Scrap and Demolition Shears	S3035 Flat Top	✓	✓	✓*
Pulverizers	P224 Secondary Pulverizer	✓	✓	✓
	P232 Secondary Pulverizer	✓	✓*	
	P324 Primary Pulverizer	✓	✓	✓
	P332 Primary Pulverizer-Flat Top	✓	✓*	
Compactors (Vibratory Plate)	CVP110	✓	✓	✓
Rotary Cutters	RC30	✓	✓	✓

BOOM-MOUNT ATTACHMENTS

		Long Wide	Reach	Mass
		6.8 mt (15,000 lb)		
Undercarriage				
Counterweight				
Boom Type				
Mobile Scrap and Demolition Shears	S2070	✓	✓	
	S2090	✓	✓	
	S3070-Flat Top	✓		

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
BOOMS, STICKS AND LINKAGES				
6.18 m (20'3") Mass boom		✓		
6.5 m (21'4") Reach boom		✓		
2.55 m (8'4") Mass stick		✓		
3.2 m (10'6") Reach stick		✓		
3.9 m (12'10") Reach stick		✓		
DB family bucket linkage with lifting eye		✓		
TB family bucket linkage with lifting eye		✓		
CAT TECHNOLOGY				
Cat Equipment Management:				
– VisionLink™		✓ ¹		
– Remote Flash		✓		
– Remote Troubleshoot		✓		
– Work tool recognition and tracking (PL161)		✓		
– Operator Coaching		✓ ²		
Cat Grade:				
– Cat Grade with 2D		✓		
– Cat Grade with 2D with Attachment Ready Option (ARO)		✓		
– Laser catcher		✓		
– Cat Grade with 3D (single or dual Global Navigation Satellite System [GNSS])		✓		
– Compatible with 3D grade systems from Trimble, Topcon, and Leica		✓		
– Cat Grade 3D Ready		✓		
– Cat Grade Connectivity		✓ ²		
Cat Assist:				
– Grade Assist		✓		
– Boom Assist		✓		
– Bucket Assist		✓		
– Swing Assist		✓		
– Lift Assist		✓		
Cat Payload:				
– On-the-go weighing		✓		
– Semiautomatic calibration		✓		
– Payload/cycle information		✓		
– VisionLink back office reporting		✓ ²		
Cat Advanced Payload:				
– Daily totals		✓		
– Custom lists		✓		
– Smart weight target		✓		
– E-ticket Integration		✓ ²		
Other:				
Cat Tiltrotator (TRS) integration		✓		
ELECTRICAL SYSTEM				
Maintenance-free 1,000 CCA batteries (×2)			✓	
Maintenance-free 1,000 CCA batteries (×4)				✓
Centralized electrical disconnect switch			✓	
LED exterior chassis and boom lights			✓	
Premium surround working lights				✓
ENGINE				
115 Amp alternator			✓	
Cold start block heater				✓
Three selectable modes: Power, Smart, Eco			✓	
Auto engine speed control			✓	
52° C (126° F) high-ambient cooling			✓	
Hydraulic reverse fan			✓	
–18° C (0° F) cold start capability			✓	
–32° C (–25° F) cold start capability				✓
Double element air filter with integrated pre-cleaner			✓	
Dual stage four micron main filter			✓	
10 micron primary filter with water separator			✓	
Electric fuel priming pump			✓	
Secure start with PIN code			✓	
Remote disable			✓	

¹Provides core telematics data to manage health, maintenance insights, and condition monitoring. Other plans available for more comprehensive data reporting. Consult your Cat dealer for details.

²VisionLink subscription required. Consult your Cat dealer for details.

Standard and Optional Equipment (continued)

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

	Standard	Optional	Standard	Optional
HYDRAULIC SYSTEM		SERVICE AND MAINTENANCE		
Boom and stick regeneration circuit	✓	Integrated vehicle health management system	✓	
Electronic main control valve	✓	Grouped engine oil and fuel filters	✓	
Auto dig boost	✓	S-O-S SM ports	✓	
Auto heavy lift	✓	QuickEvac™ maintenance ready	✓	
Bio hydraulic oil capability	✓	UNDERCARRIAGE AND STRUCTURES		
Fine swing	✓	Long wide undercarriage	✓	
Reverse swing damping valve	✓	Towing eye on base frame	✓	
Auto swing parking brake	✓	Full-length track guiding guards	✓	
High performance hydraulic return filter	✓	Segmented two-piece track guiding guards	✓	
Two speed travel	✓	Swivel guard	✓	
Combined two-way auxiliary circuit	✓	HD bottom guard	✓	
Medium-pressure auxiliary circuit	✓	HD travel motor guards	✓	
Quick coupler circuit for Cat Pin Grabber	✓	Grease lubricated track	✓	
Hydraulic efficiency monitoring	✓	6.8 mt (15,000 lb) counterweight	✓	
SAFETY AND SECURITY		700 mm (28") triple grouser track shoes	✓	
Cat Command remote control	✓	800 mm (31") triple grouser track shoes	✓	
2D E-Fence:	✓	850 mm (33") triple grouser track shoes	✓	
– E-ceiling				
– E-floor				
– E-swing				
– E-wall				
– E-cab avoidance				
Auto hammer stop	✓			
Caterpillar One Key security system	✓			
Lockable external tool/storage box	✓			
Lockable door, fuel, and hydraulic tank locks	✓			
Lockable fuel drain compartment	✓			
Service platform with anti-skid plate and recessed bolts	✓			
Right Hand (RH) handrail and handhold	✓			
Signaling/warning horn	✓			
Travel alarm	✓			
Swing alarm	✓			
Ground-level secondary engine shutoff switch	✓			
Lockable disconnect switch	✓			
Boom lowering check valve	✓			
Stick lowering check valve	✓			
Rear and right-hand-sideview cameras	✓			
360° visibility	✓			
Operator Protective Guards	✓			
Inspection lighting	✓			

336 Dealer Installed Kit and Attachments

Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB	ELECTRICAL	SAFETY AND SECURITY
<ul style="list-style-type: none">• Lower radial wiper• Left Hand (LH)/RH electrical pedal for tool control• Dual exit rear window kit• Rain protector plus cab light cover• 75 mm (3") retractable seat belt	<ul style="list-style-type: none">• Premium surround working lights	<ul style="list-style-type: none">• Bluetooth® receiver kit• Bluetooth key fob• Operator Protective Guards• Cat Detect – People Detection• Cat Command – Remote control kit

Cab Options

Rollover Protective Structure (ROPS)	<input checked="" type="radio"/>
Operator Protective Guard (OPG)	<input type="radio"/>
High-resolution 203 mm (8") LCD touchscreen monitor	<input checked="" type="radio"/>
High-resolution 254 mm (10") LCD touchscreen monitor	<input type="radio"/>
Auto bi-level air conditioner	<input checked="" type="radio"/>
Jog dial and shortcut keys for monitor control	<input checked="" type="radio"/>
Keyless push-to-start engine control	<input checked="" type="radio"/>
Height-adjustable console	<input checked="" type="radio"/>
Tilt-up left-side console	<input checked="" type="radio"/>
Heated air-suspension seat	<input checked="" type="radio"/>
51 mm (2") seat belt	<input checked="" type="radio"/>
Monitor integrated Bluetooth radio with USB/Auxiliary ports	<input checked="" type="radio"/>
12V DC outlets	<input checked="" type="radio"/>
Document storage	<input checked="" type="radio"/>
Overhead storage and rear storage with nets	<input checked="" type="radio"/>
Beverage holder	<input checked="" type="radio"/>
Cup holder	<input checked="" type="radio"/>
Openable two-piece front window	<input checked="" type="radio"/>
Rear window emergency exit	<input checked="" type="radio"/>
Radial wiper with washer	<input checked="" type="radio"/>
Openable polycarbonate skylight hatch	<input checked="" type="radio"/>
LED dome light	<input checked="" type="radio"/>
Floor welcome light	<input checked="" type="radio"/>
Roof sunscreen	<input checked="" type="radio"/>
Roller front sunscreen	<input checked="" type="radio"/>
Roller rear sunscreen	<input type="radio"/>
Washable floor mat	<input checked="" type="radio"/>
Beacon ready	<input checked="" type="radio"/>
Cat Stick Steer	<input type="radio"/>
Auxiliary relay	<input type="radio"/>

 Standard Optional

336 Environmental Declaration

The following information applies to the machine at the time of final manufacture as configured for sale in the regions covered in this document. The content of this declaration is valid as of the date issued; however, content related to machine features and specifications are subject to change without notice. For additional information, please see the machine's Operation and Maintenance Manual.

For more information on sustainability in action and our progress, please visit <https://www.caterpillar.com/en/company/sustainability>.

Engine

- The Cat® C7.1 TTA engine meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to:
 - ✓ 20% biodiesel FAME (fatty acid methyl ester)***
 - ✓ 100% renewable diesel, HVO (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels

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

* While Cat engines are compatible with these alternative fuels, some regions may not allow their use.

** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

*** Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas.
- If equipped with R134a (Global Warming Potential = 1430), the system contains .90 kg (1.984 lb.) of refrigerant, which has a CO₂ equivalent of 1.287 metric tonnes (1.419 tons).
- If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 0.780 kg (1.719 lb.) of refrigerant, which has a CO₂ equivalent of 0.001 metric tonnes (0.001 tons).

Paint

- Based on best available knowledge, the maximum allowable concentration, measured in parts per million (PPM), of the following heavy metals in paint are:
 - Barium < 0.01%
 - Cadmium < 0.01%
 - Chromium < 0.01%
 - Lead < 0.01%

Sound Performance

ISO 6395:2008 (external) 105 dB(A)

ISO 6396:2008 (inside cab) 72 dB(A)

- External Sound – The spectator sound power level is measured according to the test procedures and conditions specified in ISO 6395:2008 for a Cat machine that is properly equipped and maintained. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Internal Sound – The operator sound pressure level is measured according to the test procedures and conditions specified in ISO 6396:2008 for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors/windows open) for extended periods or in noisy environment(s).

Oils and Fluids

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio HYDOL™ Advanced is an EU Ecolabel approved biodegradable hydraulic oil.
- Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
 - Advanced hydraulic systems balance power and efficiency
 - Smart mode matches machine power to digging requirements automatically
 - Eco mode supports reduced fuel consumption for light applications
 - Available Cat technologies help improve operator efficiency
 - Reduce fuel consumption with the high-efficiency hydraulic fan that cools the engine on demand
 - Extended service intervals help decrease maintenance costs

Recycling

- The materials included in machines are categorized as below with approximate weight percentage. Because of variations of product configurations, the following values in the table may vary.

Material Type	Weight Percentage
Steel	85.02%
Iron	7.33%
Nonferrous Metal	1.82%
Mixed Metal	0.02%
Mixed-Metal and Nonmetal	0.80%
Plastic	1.07%
Rubber	0.16%
Mixed Nonmetallic	0.16%
Fluid	2.11%
Other	1.49%
Uncategorized	0.00%
Total	100%

- A machine with higher recyclability rate will ensure more efficient usage of valuable natural resources and enhance End-of-Life value of the product. According to ISO 16714:2008 (Earthmoving machinery – Recyclability and recoverability – Terminology and calculation method), recyclability rate is defined as percentage by mass (mass fraction in percent) of the new machine potentially able to be recycled, reused, or both.

All parts in the bill of material are first evaluated by component type based on a list of components defined by the ISO 16714:2008 and Japan CEMA (Construction Equipment Manufacturers Association) standards. Remaining parts are further evaluated for recyclability based on material type.

Because of variations of product configurations, the following value in the table may vary.

Recyclability – 98%

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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AEXQ4077-01 (12-2025)
Replaces: AEXQ4077-00
Build Number: 08D
(N Am)

