



336

Hydraulic Excavator

Technical Specifications

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

Table of Contents

Specifications	2
Engine	2
Swing Mechanism	2
Weights	2
Track	2
Drive	2
Hydraulic System	2
Service Refill Capacities	2
Standards	2
Sound Performance	2
Air Conditioning System	2
Operating Weights and Ground Pressures	3
Major Component Weights	3
Dimensions	4
Working Ranges and Forces	5
Reach Boom Lift Capacities – Counterweight: 6.8 mt (15,000 lb)	6
Mass Boom Lift Capacities – Counterweight: 6.8 mt (15,000 lb)	12
Bucket Specifications and Compatibility	15
Attachments Offering Guide	16
Standard and Optional Equipment	21
Dealer Installed Kit and Attachments	23
Cab	24
336 Environmental Declaration	25



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

- 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.
- All Cat nonroad U.S. EPA Tier 4 Final, EU Stage V, Japan 2014, Korea Stage V, India CEV Stage V, and China Nonroad Stage IV diesel engines are required to use ULSD (ultra-low sulfur diesel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels** up to:
 - ✓ 20% biodiesel FAME (fatty acid methyl ester)*
 - ✓ 100% renewable diesel, HVO (hydrotreated 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.

*Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel.

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

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
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- Long Wide Undercarriage, Reach Boom, R3.9DB (12'10") Stick, HD 2.12 m³ (2.77 yd³) 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)

- 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.

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.00 kg of refrigerant, which has a CO₂ equivalent of 1.430 metric tonnes.

336 Hydraulic Excavator Specifications

Operating Weights and Ground Pressures

	700 mm (28") Triple Grouser Track Shoes		800 mm (31") Triple Grouser Track Shoes		850 mm (33") Triple Grouser Track Shoes	
	Weight kg (lb)	Ground Pressure kPa (psi)	Weight kg (lb)	Ground Pressure kPa (psi)	Weight kg (lb)	Ground Pressure kPa (psi)
Base Machine Configurations						
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) 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.

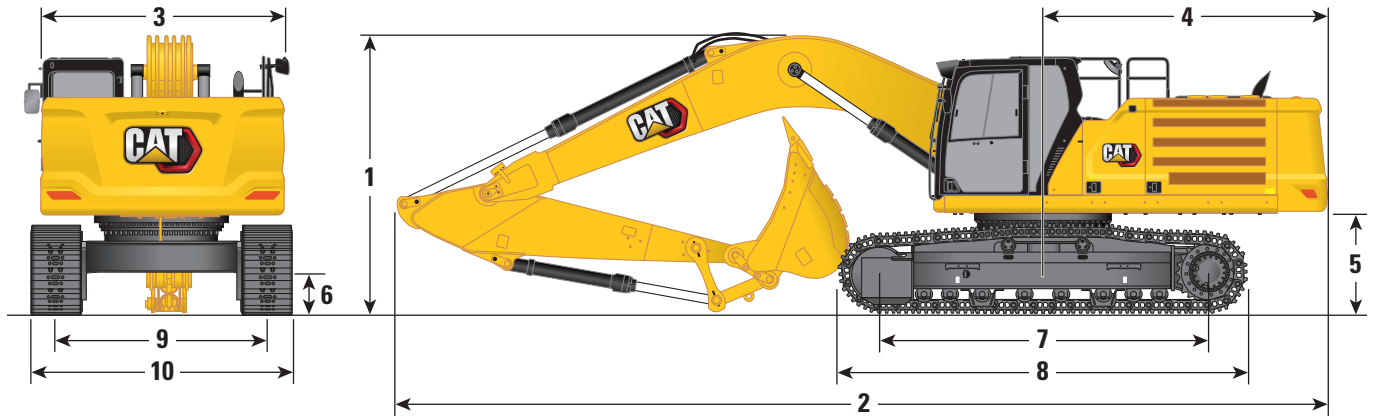
Major Component Weights

	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) SDV	2550	5,630
Quick Coupler (QC):		
Pin Grabber QC	700	1,550

336 Hydraulic Excavator Specifications

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"
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4 Tail Swing Radius

3530 mm	11'7"	3530 mm	11'7"	3530 mm	11'7"
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5 Counterweight Clearance

1260 mm	4'2"	1260 mm	4'2"	1260 mm	4'2"
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6 Ground Clearance

510 mm	1'8"	510 mm	1'8"	510 mm	1'8"
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7 Track Length – Length to Center of Rollers

4040 mm	13'3"	4040 mm	13'3"	4040 mm	13'3"
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8 Track Length

5030 mm	16'6"	5030 mm	16'6"	5030 mm	16'6"
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9 Track Gauge – Extended

2740 mm	9'0"	2740 mm	9'0"	2740 mm	9'0"
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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
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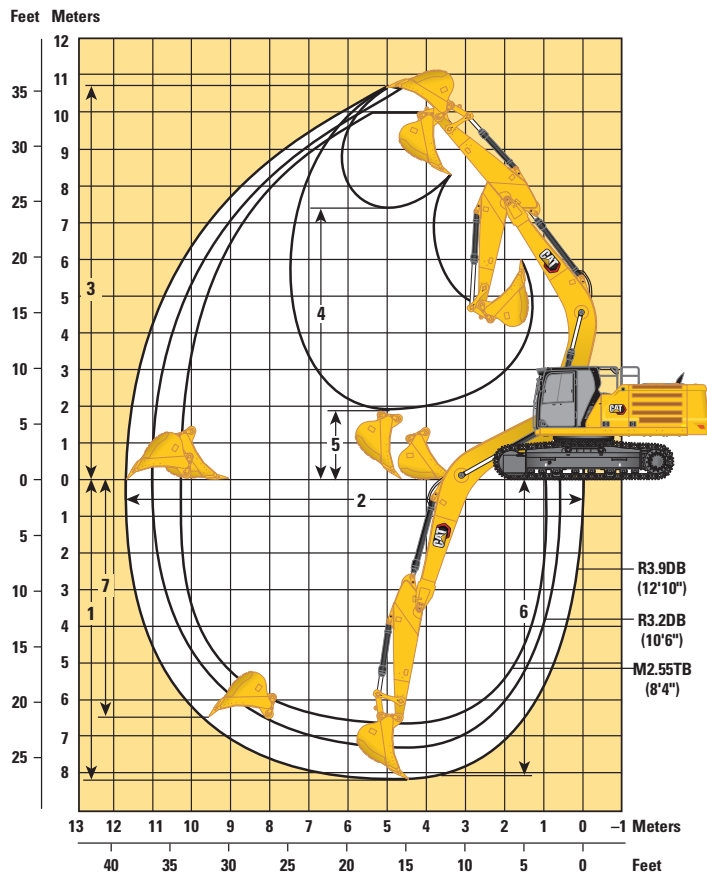
Bucket Tip Radius

1790 mm	5'9"	1790 mm	5'9"	1910 mm	6.3 ft
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336 Hydraulic Excavator Specifications

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

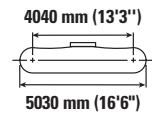
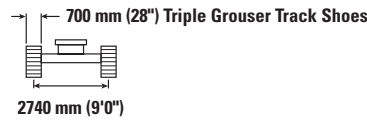
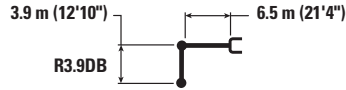
Mass Stick

R3.9DB (12'10") R3.2DB (10'6") M2.55TB (8'4")

	R3.9DB (12'10")		R3.2DB (10'6")		M2.55TB (8'4")	
1 Maximum Digging Depth	8210 mm	26'11"	7510 mm	24'8"	6650 mm	21'10"
2 Maximum Reach at Ground Line	11 760 mm	38'7"	11 060 mm	36'3"	10 270 mm	33'8"
3 Maximum Cutting Height	10 740 mm	35'3"	10 320 mm	33'10"	9990 mm	32'9"
4 Maximum Loading Height	7470 mm	24'6"	7090 mm	23'3"	6620 mm	21'9"
5 Minimum Loading Height	1890 mm	6'2"	2590 mm	8'6"	2920 mm	9'7"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	8080 mm	26'6"	7360 mm	24'2"	6480 mm	21'3"
7 Maximum Vertical Wall Digging Depth	6490 mm	21'4"	5690 mm	18'8"	4470 mm	14'8"
Bucket Digging Force (ISO)	210 kN	47,190 lbf	210 kN	47,190 lbf	265 kN	59,570 lbf
Stick Digging Force (ISO)	144 kN	32,480 lbf	166 kN	37,340 lbf	191 kN	42,890 lbf
Bucket Digging Force (ISO) – auto dig boost	228 kN	51,230 lbf	228 kN	51,230 lbf	288 kN	64,680 lbf
Stick Digging Force (ISO) – auto dig boost	157 kN	35,270 lbf	180 kN	40,540 lbf	207 kN	46,570 lbf
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

336 Hydraulic Excavator Specifications

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



Reach (mm) Reach (ft/in)	Unit	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	7850 16,900	*7450 *14,400	5750 12,350	*5600 *12,350	5400 11,950	9340 30'5"
4500 mm 15'0"	kg lb							*9750 *21,150	*9750 *21,150	*8750 *19,000	7600 16,350	*8150 17,700	5650 12,150	*5600 *12,350	4850 10,700	9840 32'2"
3000 mm 10'0"	kg lb					*15 300 *32,850	*15 300 *32,850	*11 600 *25,050	10 150 21,900	*9750 *21,100	7300 15,650	8050 17,300	5500 11,800	*5800 *12,700	4550 10,000	10 100 33'1"
1500 mm 5'0"	kg lb					*18 450 *39,800	14 550 31,350	*13 300 *28,750	9600 20,650	10 350 22,300	6950 14,950	7850 16,900	5300 11,400	*6150 *13,450	4450 9,750	10 130 33'2"
0 mm 0'0"	kg lb			*8250 *18,700	*8250 *18,700	*20 100 *43,500	13 900 29,900	14 150 30,450	9150 19,750	10 100 21,700	6700 14,400	7700 16,600	5200 11,100	*6700 *14,700	4500 9,900	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	13 650 29,350	13 900 29,900	8950 19,250	9900 21,350	6550 14,100	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	13 650 29,350	13 850 29,800	8900 19,150	9900 21,300	6500 14,050			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	13 900 29,850	*13 200 *28,300	9000 19,450	*9900 *20,850	6650 14,400			*9450 *20,800	6450 14,400	7690 25'0"
-6000 mm -20'0"	kg lb					*13 250 *27,950	*13 250 *27,950	*9400 *20,850	*9400 *20,850					*9250 *20,200	*9250 *20,200	6060 19'5"



ISO 10567:2007



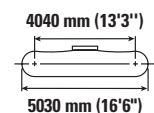
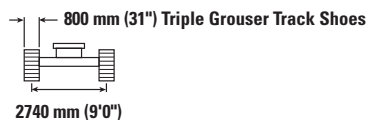
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

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

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 17,150	*7450 *14,400	5850 12,550	*5600 *12,350	5500 12,150	9340 30'5"
4500 mm 15'0"	kg lb							*9750 *21,150	*9750 *21,150	*8750 *19,000	7700 16,600	*8150 *17,850	5750 12,350	*5600 *12,350	4950 10,900	9840 32'2"
3000 mm 10'0"	kg lb					*15 300 *32,850	*15 300 *32,850	*11 600 *25,050	10 350 22,250	*9750 *21,100	7400 15,900	8200 17,600	5600 12,000	*5800 *12,700	4650 10,200	10 100 33'1"
1500 mm 5'0"	kg lb					*18 450 *39,800	14 800 31,850	*13 300 *28,750	9750 21,000	10 550 22,700	7100 15,250	8000 17,200	5400 11,650	*6150 *13,450	4500 9,950	10 130 33'2"
0 mm 0'0"	kg lb			*8250 *18,700	*8250 *18,700	*20 100 *43,500	14 150 30,400	14 400 31,000	9300 20,050	10 250 22,100	6800 14,700	7850 16,900	5250 11,350	*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 11,200	7250 15,950	4850 10,650	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	13 900 29,900	14 100 30,300	9050 19,500	10 050 21,700	6650 14,300			8100 17,900	5400 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					*13 250 *27,950	*13 250 *27,950	*9400 *9400						*9250 *20,200	*9250 *20,200	6060 19'5"



ISO 10567:2007



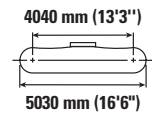
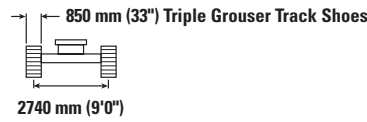
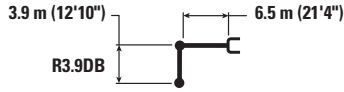
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		1500 mm (5'0")		3000 mm (10'0")		4500 mm (15'0")		6000 mm (20'0")		7500 mm (25'0")		9000 mm (30'0")		mm ft/in		
9000 mm 30'0"	kg lb													*6200 *13,800	*6200 *13,800	7350 23'7"
7500 mm 25'0"	kg lb									*7700 *16,950	*7700 *16,950			*5750 *12,750	*5750 *12,750	8540 27'8"
6000 mm 20'0"	kg lb									*8000 *17,450	*8000 17,200	*7450 *14,400	5900 12,600	*5600 *12,350	5500 12,250	9340 30'5"
4500 mm 15'0"	kg lb							*9750 *21,150	*9750 *21,150	*8750 *19,000	7750 16,700	*8150 *17,850	5800 12,400	*5600 *12,350	4950 10,950	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	9800 21,100	10 600 22,800	7100 15,300	8050 17,300	5450 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	9350 20,200	10 350 22,200	6850 14,750	7900 17,000	5300 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 30,600	9150 19,700	10 150 21,850	6700 14,450	*7800 16,850	5250 11,250	7250 16,050	4850 10,750	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	14 000 30,050	14 200 30,500	9100 19,600	10 150 21,800	6700 14,400			8150 18,000	5450 12,050	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	14 200 30,550	14 200 28,300	9250 19,900	*9900 *20,850	6800 14,750			*9450 *20,800	6600 14,750	7690 25'0"
-6000 mm -20'0"	kg lb					*13 250 *27,950	*13 250 *27,950	*9400 *20,850	*9400 *20,850					*9250 *20,200	*9250 *20,200	6060 19'5"



ISO 10567:2007



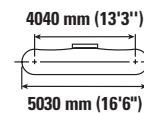
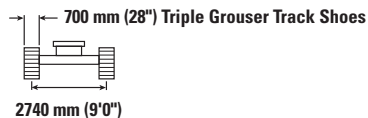
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Lift capacity stays with ±5% for all available track shoes.

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

336 Hydraulic Excavator Specifications

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



Reach mm ft/in	kg lb	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 *36,800	*13 500 32,900	*10 900 *23,550	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



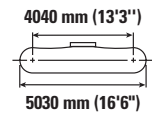
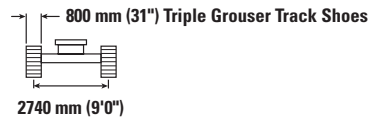
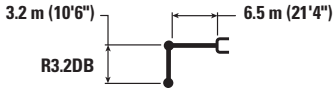
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Lift capacity stays with ±5% for all available track shoes.

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

336 Hydraulic Excavator Specifications

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



Reach mm ft/in	kg lb	3000 mm (10'0")		4500 mm (15'0")		6000 mm (20'0")		7500 mm (25'0")		9000 mm (30'0")		mm ft/in		
		kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	
7500 mm 25'0"								*8750	7950			*7350 *16,300	*7350 *16,300	7700 24'11"
6000 mm 20'0"								*8900 *19,450	7850 16,900			*7150 *15,800	6250 13,950	8580 27'11"
4500 mm 15'0"				*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	9130 29'10"
3000 mm 10'0"				*17 150 *36,800	15 500 33,400	*12 600 *27,250	10 150 21,900	*10 450 *22,650	7350 15,800	8200 17,600	5600 12,000	*7500 *16,500	5200 11,450	9410 30'10"
1500 mm 5'0"				*19 750 *42,550	14 550 31,300	*14 100 *30,500	9650 20,850	10 550 22,650	7050 15,200	8050 17,250	5450 11,700	7500 16,500	5100 11,150	9440 30'11"
0 mm 0'0"				*20 600 *44,600	14 150 30,400	14 400 31,000	9350 20,100	10 300 22,200	6850 14,800	7950 17,050	5350 11,500	7650 16,850	5150 11,350	9220 30'2"
-1500 mm -5'0"		*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	8750 28'7"
-3000 mm -10'0"		*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	7960 25'11"
-4500 mm -15'0"		*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	6750 21'10"



ISO 10567:2007



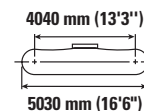
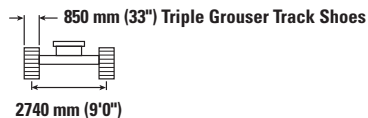
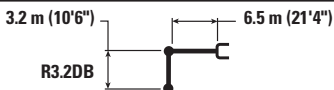
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Lift capacity stays with ±5% for all available track shoes.

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

336 Hydraulic Excavator Specifications

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	*7350	7700
								*16,300	*16,300			*16,300	*16,300	24'11"
6000 mm 20'0"	kg lb							*8900	7900			*7150	6300	8580
								*19,450	16,950			*15,800	14,000	27'11"
4500 mm 15'0"	kg lb			*13 500	*13 500	*10 900	10 800	*9550	7700	8350	5750	*7200	5600	9130
				*36,800	33,550	*27,250	22,050	*20,800	16,500			*15,850	12,350	29'10"
3000 mm 10'0"	kg lb			*17 150	15 550	*12 600	10 200	*10 450	7400	8250	5600	*7500	5250	9410
				*42,550	31,500	*30,500	20,950	*22,650	15,900	17,650	12,050	*16,500	11,550	30'10"
1500 mm 5'0"	kg lb			*19 750	14 600	*14 100	9700	10 600	7100	8100	5450	7550	5100	9440
				*44,600	30,550	*31,150	20,200	22,800	15,300	17,350	11,750	16,550	11,250	30'11"
0 mm 0'0"	kg lb			*20 600	14 200	14 500	9400	10 350	6900	7950	5350	7700	5200	9220
				*44,600	30,550	31,150	20,200	22,300	14,850	17,150	11,550	16,950	11,450	30'2"
-1500 mm -5'0"	kg lb	*14 050	*14 050	*20 200	14 150	14 350	9250	10 250	6800			8250	5550	8750
		*31,800	*31,800	*43,800	30,350	30,800	19,900	22,100	14,650			18,250	12,250	28'7"
-3000 mm -10'0"	kg lb	*22 200	*22 200	*18 750	14 250	*14 300	9300	10 300	6850			9500	6350	7960
		*50,200	*50,200	*40,600	30,600	*30,850	20,000	22,200	14,800			21,050	14,100	25'11"
-4500 mm -15'0"	kg lb	*21 100	*21 100	*15 900	14 550	*12 050	9500					*10 200	8150	6750
		*45,450	*45,450	*34,150	31,300	*25,650	20,500					*22,400	18,200	21'10"



ISO 10567:2007



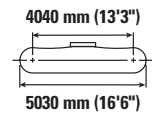
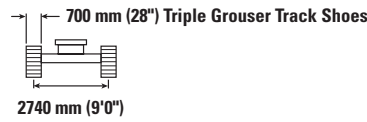
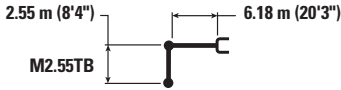
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








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 (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



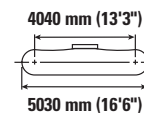
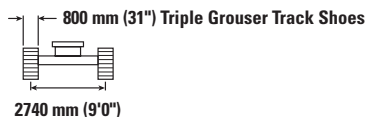
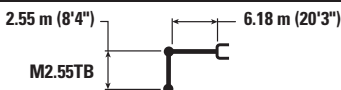
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










Lift capacity stays with ±5% for all available track shoes.

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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	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



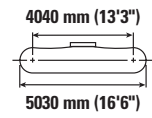
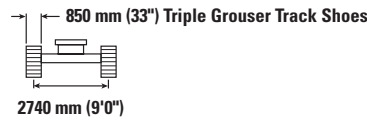
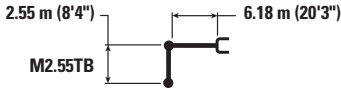
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











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 (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.

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

									Long Wide Undercarriage			
	Linkage	Width		Capacity		Weight		Fill	6.8 mt (15,000 lb) Counterweight			
		mm	in	m ³	yd ³	kg	lb		%	Reach		Mass
										R3.9DB (12'10")	R3.2DB (10'6")	M2.55TB (8'4")
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 EN474-5:2006 + 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:

- 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

Undercarriage		Long Wide		
Counterweight		6.8 mt (15,000 lb)		
Boom Type		Reach		Mass
Stick Length		3.2 m (10'6")	3.9 m (12'10")	2.55 m (8'4")
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	✓	✓	
Compactors (Vibratory Plate)	CVP110	✓	✓	✓
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)*

Undercarriage		Long Wide		
Counterweight		6.8 mt (15,000 lb)		
Boom Type		Reach		Mass
Stick Length		3.2 m (10'6")	3.9 m (12'10")	2.55 m (8'4")
Orange Peel Grapples	GSH440-950	●	●	
	GSH440-1150	●	●	
	GSH440-1550	○	○	
	GSH455-1000	●	○	
	GSH455-1500	○		
	GSH555-1000	○	○	
Clamshell Grapples	CTV20-1500	●	○	
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

CAT PIN GRABBER COUPLER ATTACHMENTS

Undercarriage		Long Wide		
Counterweight		6.8 mt (15,000 lb)		
Boom Type		Reach		Mass
Stick Length		3.2 m (10'6")	3.9 m (12'10")	2.55 m (8'4")
Hydraulic Hammers	H130 GC	✓	✓	
	H130 GC S	✓	✓	
	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	✓		
	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	✓*		
Compactors (Vibratory Plate)	CVP110	✓	✓	✓
Mulchers	HM5515	✓	✓	
	HM6015	✓	✓	
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

S80 DEDICATED COUPLER ATTACHMENTS

Undercarriage		Long Wide	
Counterweight		6.8 mt (15,000 lb)	
Boom Type		Reach	
Stick Length		3.2 m (10'6")	3.9 m (12'10")
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 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

Undercarriage		Long Wide	
Counterweight		6.8 mt (15,000 lb)	
Boom Type		Reach	
Stick Length		3.2 m (10'6")	3.9 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

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

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
BOOMS, STICKS AND LINKAGES			ELECTRICAL SYSTEM		
6.18 m (20'3") Mass boom		✓	Maintenance-free 1,000 CCA batteries (×2)	✓	
6.5 m (21'4") Reach boom		✓	Maintenance-free 1,000 CCA batteries (×4)		✓
2.55 m (8'4") Mass stick		✓	Centralized electrical disconnect switch	✓	
3.2 m (10'6") Reach stick		✓	LED exterior chassis and boom lights	✓	
3.9 m (12'10") Reach stick		✓	Premium surround working lights		✓
DB family bucket linkage with lifting eye		✓	ENGINE		
TB family bucket linkage with lifting eye		✓	115 Amp alternator	✓	
CAT TECHNOLOGY			Cold start block heater		✓
VisionLink®*	✓		Three selectable modes: Power, Smart, Eco	✓	
Remote Flash	✓		Auto engine speed control	✓	
Remote Troubleshoot	✓		52° C (126° F) high-ambient cooling	✓	
Cat Grade connectivity		✓	Hydraulic reverse fan	✓	
Compatibility with radios and base stations from Trimble, Topcon, and Leica	✓		-18° C (0° F) cold start capability	✓	
Capability to install 3D grade systems from Trimble, Topcon, and Leica	✓		-32° C (-25° F) cold start capability		✓
Cat Grade 2D	✓		Double element air filter with integrated pre-cleaner	✓	
Cat Grade 2D with Attachment Ready Option (ARO)		✓	Dual stage four micron main filter	✓	
Cat Grade with 3D single GNSS		✓	10 micron primary filter with water separator	✓	
Cat Grade with 3D dual GNSS		✓	Electric fuel priming pump	✓	
Cat Assist:	✓		Secure start with PIN code	✓	
– Grade Assist			Remote disable	✓	
– Boom Assist					
– Bucket Assist					
– Swing Assist					
– Lift Assist					
Cat Payload:	✓				
– Static weigh					
– Semiautomatic calibration					
– Payload/cycle information					
– USB reporting capability					
Laser catcher		✓			
Work tool recognition	✓				
Work tool tracking	✓				
Operator Coaching		✓			
Cat Tilt Rotator (TRS) Integration		✓			

*Connect subscription only. Additional subscriptions are available. Contact your Cat dealer for availability.

336 Standard and Optional Equipment

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	✓		Scheduled Oil Sampling (S·O·S SM) ports	✓	
Auto heavy lift	✓		QuickEvac TM 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		✓			

Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB <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	ELECTRICAL <ul style="list-style-type: none">• Premium surround working lights GUARDS <ul style="list-style-type: none">• Side rubber bumper guard• Mesh guard full front• Mesh guard half front• Full protecting vandalism guard	SAFETY AND SECURITY <ul style="list-style-type: none">• Bluetooth® receiver kit• Bluetooth key fob• Operator Protective Guards• Cat Detect – People Detection• Cat Command – Remote control kit
--	--	--

336 Cab

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

- Standard
- Optional

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) or 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.

**Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel.*

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

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.0 kg (2.2 lb) of refrigerant which has a CO₂ equivalent of 1.430 metric tonnes (1.576 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)

- 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.

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 HYDO™ 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 minimizes fuel consumption for light applications
 - Standard Cat technologies improve operator efficiency by up to 45%
 - Reduce fuel consumption with the high-efficiency hydraulic fan that cools the engine on demand
 - Cut costs with extended maintenance intervals

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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