

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	225.0 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 China Nonroad emits equilvalent to Stage III, U.S. EPA Tier 3 and EU Stage IIIA.
- Recommended for use up to 4500 m (14,760 ft) altitude with engine power derate above 3000 m (9,840 ft).
- 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 2,200 rpm.
- Cat engines are compatible with diesel fuel blended with the following lower-carbon intensity fuels** up to:
  - ✓ 100% 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.

**For use of blends higher than 20% biodiesel, consult your Cat dealer.*

***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

*For CE-marked machine default value may be set lower.

Weights

Operating Weight	37 500 kg	82,600 lb

- Long Wide Undercarriage, Mass Boom, M2.55TB (8'4") Stick, Severe Duty (SD) 2.6 m^3 (3.4 yd^3) Bucket, 600 mm (24") Double Grouser Shoes, 6.8 mt (15,000 lb) Counterweight.

Track

Optional Track Shoes Width	600 mm	24 in
Optional Track Shoes Width	700 mm	28 in
Optional Track Shoes Width	800 mm	31 in
Number of Shoes (each side)	49	
Number of Track Rollers (each side)	8	
Number of Carrier Rollers (each side)	2	

Drive

Maximum Gradeability	35°/70%	
Maximum Travel Speed	4.7 km/h	2.9 mph
Maximum Drawbar Pull	302.7 kN	68,050 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

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 CO_2 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 CO_2 equivalent of 0.001 metric tonnes (0.001 tons).

Operating Weights and Ground Pressures

Base Machine Configurations	600 mm (24") Double Grouser Shoes		700 mm (28") Triple Grouser Shoes		800 mm (31") Triple Grouser Shoes	
	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure
Base Frame with Track Rollers and Carrier Rollers						
6.8 mt (15,000 lb) Counterweight + Long Wide Undercarriage						
Heavy Duty (HD) Reach Boom + HD R3.2 m DB (10'6") Stick + 2.36 m^3 (3.08 yd^3) HD Bucket	36 600 kg (80,600 lb)	68.1 kPa (9.9 psi)	36 200 kg (79,700 lb)	57.7 kPa (8.4 psi)	36 800 kg (81,200 lb)	51.4 kPa (7.5 psi)
Mass Boom + M2.55 m TB (8'4") Stick + 2.60 m^3 (3.40 yd^3) SD Bucket	37 500 kg (82,600 lb)	69.8 kPa (10.1 psi)	37 100 kg (81,700 lb)	59.2 kPa (8.6 psi)	37 700 kg (83,200 lb)	52.7 kPa (7.6 psi)

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

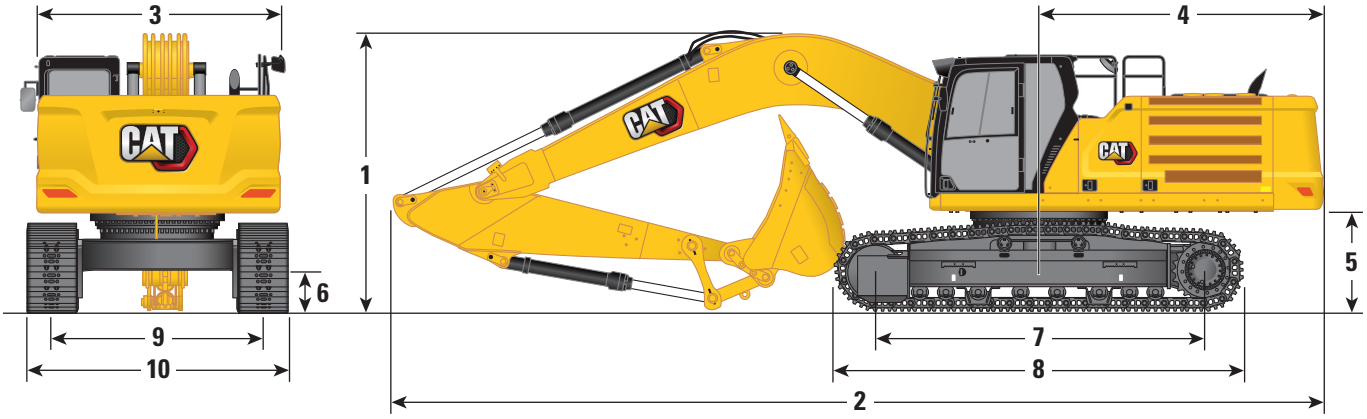
Major Component Weights

	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	23 850	52,580
Track Shoes:		
600 mm (24") Width, 15.5 mm (0.61") Thick, Double Grouser Track Shoes	4850	10,700
700 mm (28") Width, 11 mm (0.43") Thick, Triple Grouser Track Shoes	4450	9,800
800 mm (31") Width, 13 mm (0.51") Thick, Triple Grouser Track Shoes	5100	11,230
Two Boom Cylinders	670	1,470
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	550	1,210
Counterweight:		
6.8 mt (15,000 lb) Counterweight	6800	14,990
Swing Frame:		
Standard Swing Frame	3160	6,960
Undercarriage:		
Base Frame with Track Rollers and Carrier Rollers	8750	19,290
Booms (including lines, pins, stick cylinder):		
Mass Boom 6.18 m (20'3")	3500	7,710
HD Reach Boom 6.5 m (21'4")	3480	7,670
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Mass Stick M2.55TB (8'4")	2120	4,680
HD Reach Stick R3.2DB (10'6")	1920	4,220
Buckets (without linkage):		
2.36 m^3 (3.08 yd^3) HD	1930	4,250
2.60 m^3 (3.40 yd^3) SD	2620	5,770
Quick Couplers (QC):		
CW Dedicated QC	480	1,050
Pin Grabber QC	700	1,550

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Dimensions

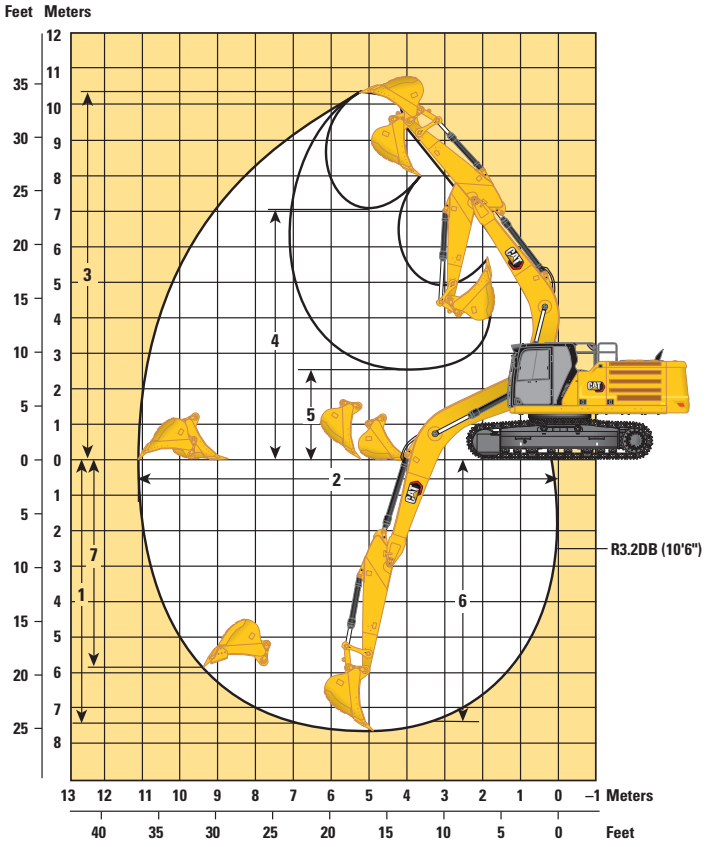
All dimensions are approximate and may vary depending on bucket selection.

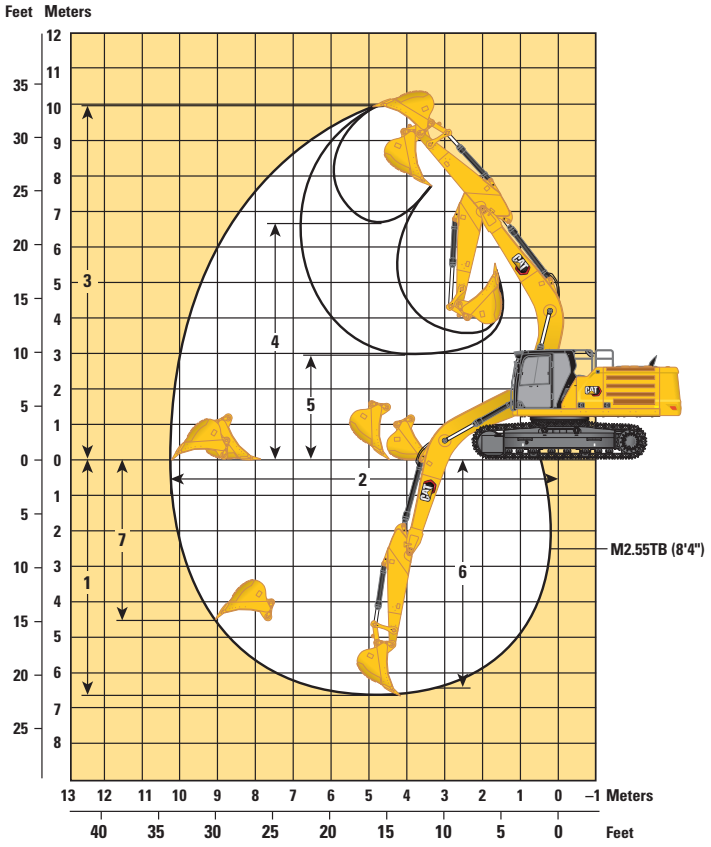


Undercarriage Option	Long Wide Undercarriage			
Boom Options	**Reach Boom 6.5 m (21'4")**		**Mass Boom 6.18 m (20'3")**	
Stick Options	**Reach Stick**		**Mass Stick**	
	R3.2DB (10'6")		**M2.55TB (8'4")**	
1 Machine Height:				
Cab height	3180 mm	10'5"	3180 mm	10'5"
OPG height	3330 mm	10'11"	3330 mm	10'11"
Guardrails/Handrails Height	3180 mm	10'5"	3180 mm	10'5"
With Boom/Stick/Bucket Installed	3480 mm	11'5"	3610 mm	11'10"
With Boom/Stick Installed	3330 mm	10'11"	3410 mm	11'2"
With Boom Installed	2880 mm	9'5"	2830 mm	9'3"
With Boom/Stick/Bucket Installed (with auxiliary lines)	3530 mm	11'7"	3630 mm	11'11"
With Boom/Stick Installed (with auxiliary lines)	3410 mm	11'2"	3420 mm	11'3"
With Boom Installed (with auxiliary lines)	2970 mm	9'9"	2900 mm	9'6"
2 Machine Length:				
With Boom/Stick/Bucket Installed	11 160 mm	36'7"	10 890 mm	35'9"
With Boom/Stick Installed	11 120 mm	36'6"	10 830 mm	35'6"
With Boom Installed	9960 mm	32'8"	9640 mm	31'8"
With Boom/Stick/Bucket Installed (with auxiliary lines)	11 160 mm	36'7"	10 890 mm	35'9"
With Boom/Stick Installed (with auxiliary lines)	11 120 mm	36'6"	10 830 mm	35'6"
With Boom Installed (with auxiliary lines)	10 010 mm	32'10"	9640 mm	31'8"
3 Upperframe Width without Walkways	2970 mm	9'9"	2970 mm	9'9"
4 Tail Swing Radius	3530 mm	11'7"	3530 mm	11'7"
5 Counterweight Clearance	1260 mm	4'2"	1260 mm	4'2"
6 Ground Clearance	510 mm	1'8"	510 mm	1'8"
7 Track Length – Length to Center of Rollers	4040 mm	13'3"	4040 mm	13'3"
8 Track Length	5030 mm	16'6"	5030 mm	16'6"
9 Track Gauge – Extended	2740 mm	9'0"	2740 mm	9'0"
10 Undercarriage Width (with steps):				
600 mm (24") Shoes	3340 mm	10'11"	3340 mm	10'11"
700 mm (28") Shoes	3440 mm	11'3"	3440 mm	11'3"
800 mm (31") Shoes	3540 mm	11'7"	3540 mm	11'7"
Bucket Type	HD		SD	
Bucket Capacity	2.36 m^3	3.08 yd^3	2.60 m^3	3.40 yd^3
Bucket Tip Radius	1800 mm	5.9 ft	1920 mm	6.3 ft

Working Ranges and Forces

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



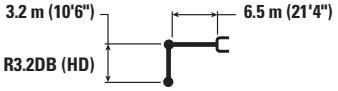


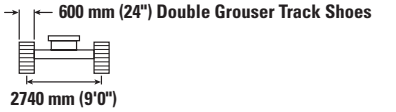
Undercarriage Option	Long Wide Undercarriage			
Boom Options	Reach Boom 6.5 m (21'4")		Mass Boom 6.18 m (20'3")	
Stick Options	Reach Stick		Mass Stick	
	R3.2DB (10'6")		M2.55TB (8'4")	
1 Maximum Digging Depth	7510 mm	24'8"	6680 mm	21'11"
2 Maximum Reach at Ground Line	11 060 mm	36'3"	10 290 mm	33'9"
3 Maximum Cutting Height	10 320 mm	33'10"	9990 mm	32'9"
4 Maximum Loading Height	7080 mm	23'3"	6590 mm	21'7"
5 Minimum Loading Height	2590 mm	8'6"	2890 mm	9'6"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	7360 mm	24'2"	6510 mm	21'4"
7 Maximum Vertical Wall Digging Depth	5690 mm	18'8"	4620 mm	15'2"
Bucket Digging Force (ISO)	210 kN	47,180 lbf	264 kN	59,240 lbf
Stick Digging Force (ISO)	166 kN	37,350 lbf	190 kN	42,780 lbf
Bucket Digging Force (ISO) – auto dig boost	228 kN	51,220 lbf	286 kN	64,310 lbf
Stick Digging Force (ISO) – auto dig boost	180 kN	40,550 lbf	207 kN	46,450 lbf
Bucket Type	HD		SD	
Bucket Capacity	2.36 m^3	3.08 yd^3	2.60 m^3	3.40 yd^3
Bucket Tip Radius	1800 mm	5.9 ft	1920 mm	6.3 ft

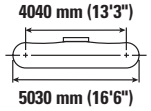
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Reach Boom Lift Capacities – Counterweight: 6.8 mt (15,000 lb) – without Bucket, Heavy Lift: On

Long Wide Undercarriage (Broach)



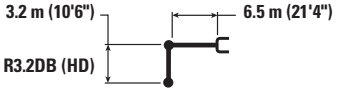


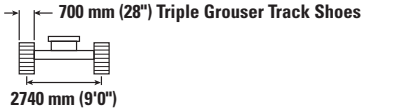


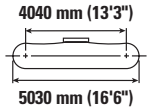
		3000 mm (10'0")		4500 mm (15'0")		6000 mm (20'0")		7500 mm (25'0")		9000 mm (30'0")				
														mm ft/in
7500 mm 25'0"	kg lb							*8700	7800			*7350 *16,200	*7350 *16,200	7700 24'11"
6000 mm 20'0"	kg lb							*8800 *19,250	7700 16,600			*7150 *15,700	6150 13,600	8580 27'11"
4500 mm 15'0"	kg lb			*13 400	*13 400	*10 800 *23,350	10 600 22,800	*9450 *20,600	7500 16,100	8150	5550	*7200 *15,800	5450 12,000	9130 29'10"
3000 mm 10'0"	kg lb			*17 000 *36,500	15 200 32,850	*12 500 *27,000	10 000 21,500	*10 350 *22,450	7200 15,450	8000 17,250	5450 11,650	*7450 *16,400	5050 11,150	9410 30'10"
1500 mm 5'0"	kg lb			*19 600 *42,250	14 250 30,650	*14 000 *30,250	9450 20,350	10 350 22,250	6900 14,850	7850 16,900	5300 11,350	7350 16,150	4950 10,850	9440 30'11"
0 mm 0'0"	kg lb			*20 400 *44,200	13 800 29,700	14 150 30,400	9100 19,600	10 100 21,750	6700 14,400	7750 16,700	5200 11,150	7500 16,500	5000 11,050	9220 30'2"
–1500 mm –5'0"	kg lb	*14 050 *31,750	*14 050 *31,750	*20 000 *43,400	13 700 29,450	14 000 30,050	8950 19,300	10 000 21,500	6600 14,200			8050 17,750	5350 11,850	8750 28'7"
–3000 mm –10'0"	kg lb	*22 150 *50,150	*22 150 *50,150	*18 550 *40,200	13 850 29,750	14 050 30,150	9000 19,350	10 050 21,650	6650 14,300			9250 20,500	6150 13,600	7960 25'11"
–4500 mm –15'0"	kg lb	*20 900 *44,950	*20 900 *44,950	*15 750 *33,800	14 150 30,450	*11 900 *25,350	9250 19,900					*10 050 *22,100	7900 17,650	6750 21'10"

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

Long Wide Undercarriage (Broach)







		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							*8700	7700			*7350 *16,200	*7350 *16,200	7700 24'11"
6000 mm 20'0"	kg lb							*8800 *19,250	7650 16,400			*7150 *15,700	6050 13,500	8580 27'11"
4500 mm 15'0"	kg lb			*13 400	*13 400	*10 800 *23,350	10 500 22,550	*9450 *20,600	7400 15,950	8100	5500	*7200 *15,800	5350 11,850	9130 29'10"
3000 mm 10'0"	kg lb			*17 000 *36,500	15 050 32,500	*12 500 *27,000	9900 21,300	*10 350 *22,450	7100 15,300	7950 17,050	5400 11,550	7400 16,300	5000 11,050	9410 30'10"
1500 mm 5'0"	kg lb			*19 600 *42,250	14 100 30,350	*14 000 *30,250	9350 20,150	10 250 22,000	6850 14,700	7800 16,700	5250 11,250	7250 15,950	4900 10,700	9440 30'11"
0 mm 0'0"	kg lb			*20 400 *44,200	13 650 29,350	14 000 30,100	9000 19,400	10 000 21,500	6600 14,250	7650 16,500	5150 11,050	7400 16,300	4950 10,900	9220 30'2"
–1500 mm –5'0"	kg lb	*14 050 *31,750	*14 050 *31,750	*20 000 *43,400	13 550 29,150	13 850 29,750	8850 19,100	9900 21,250	6500 14,050			7950 17,550	5300 11,700	8750 28'7"
–3000 mm –10'0"	kg lb	*22 150 *50,150	*22 150 *50,150	*18 550 *40,200	13 700 29,400	13 850 29,800	8900 19,150	9950 21,400	6550 14,150			9150 20,300	6100 13,450	7960 25'11"
–4500 mm –15'0"	kg lb	*20 900 *44,950	*20 900 *44,950	*15 750 *33,800	14 000 30,150	*11 900 *25,350	9150 19,700					*10 050 *22,100	7800 17,450	6750 21'10"

* ISO 10567:2007

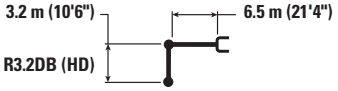
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

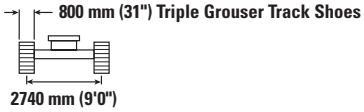
Lift capacity stays with ±5% for all available track shoes.

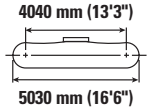
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

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

Long Wide Undercarriage (Broach)







		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							*8700	7850			*7350 *16,200	*7350 *16,200	7700 24'11"
6000 mm 20'0"	kg lb							*8800 *19,250	7750 16,700			*7150 *15,700	6150 13,700	8580 27'11"
4500 mm 15'0"	kg lb			*13 400	*13 400	*10 800 *23,350	10 650 22,900	*9450 *20,600	7550 16,200	8200	5600	*7200 *15,800	5450 12,100	9130 29'10"
3000 mm 10'0"	kg lb			*17 000 *36,500	15 300 33,000	*12 500 *27,000	10 050 21,650	*10 350 *22,450	7250 15,550	8100 17,350	5450 11,750	*7450 *16,400	5100 11,250	9410 30'10"
1500 mm 5'0"	kg lb			*19 600 *42,250	14 300 30,850	*14 000 *30,250	9500 20,500	10 400 22,400	6950 14,950	7900 17,050	5350 11,450	7400 16,250	4950 10,900	9440 30'11"
0 mm 0'0"	kg lb			*20 400 *44,200	13 900 29,850	14 250 30,600	9150 19,750	10 200 21,900	6750 14,500	7800 16,800	5250 11,250	7550 16,600	5050 11,100	9220 30'2"
–1500 mm –5'0"	kg lb	*14 050 *31,750	*14 050 *31,750	*20 000 *43,400	13 800 29,650	14 100 30,250	9050 19,450	10 050 21,650	6650 14,300			8100 17,850	5400 11,900	8750 28'7"
–3000 mm –10'0"	kg lb	*22 150 *50,150	*22 150 *50,150	*18 550 *40,200	13 900 29,900	14 100 30,350	9050 19,500	10 100 21,800	6650 14,400			9300 20,650	6200 13,700	7960 25'11"
–4500 mm –15'0"	kg lb	*20 900 *44,950	*20 900 *44,950	*15 750 *33,800	14 250 30,650	*11 900 *25,350	9300 20,050					*10 050 *22,100	7950 17,750	6750 21'10"

* 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.

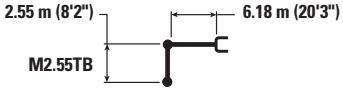
Lift capacity stays with ±5% for all available track shoes.

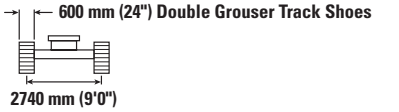
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

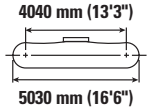
336 Hydraulic Excavator Specifications

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

Long Wide Undercarriage (Broach)



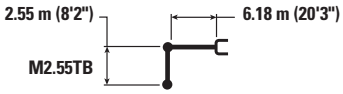


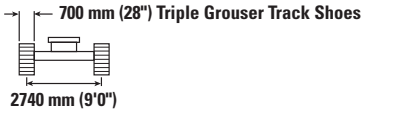


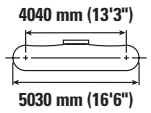
		3000 mm (10'0")		4500 mm (15'0")		6000 mm (20'0")		7500 mm (25'0")				
												mm ft/in
7500 mm 25'0"	kg lb					*10 150 *22,400	*10 150 *22,400			*9000 *19,900	*9000 *19,900	6580 21'3"
6000 mm 20'0"	kg lb					*10 500 *22,850	*10 500 *22,850	*9800	7350	*8550 *18,850	7200 16,050	7600 24'8"
4500 mm 15'0"	kg lb			*14 700 *31,550	*14 700 *31,550	*11 650 *25,300	10 250 22,100	*10 250 *22,300	7200 15,500	*8550 *18,850	6200 13,750	8210 26'10"
3000 mm 10'0"	kg lb			*18 000 *38,650	14 750 31,850	*13 150 *28,450	9700 20,900	10 400 22,400	6950 14,950	8550 18,800	5700 12,600	8520 27'11"
1500 mm 5'0"	kg lb			*20 000 *43,200	13 900 29,950	14 300 30,750	9200 19,850	10 150 21,850	6700 14,450	8350 18,350	5550 12,200	8550 28'0"
0 mm 0'0"	kg lb			*20 200 *43,800	13 650 29,300	14 000 30,050	8950 19,250	10 000 21,450	6550 14,100	8600 18,950	5700 12,550	8310 27'3"
–1500 mm –5'0"	kg lb	*17 800 *40,400	*17 800 *40,400	*19 200 *41,650	13 650 29,300	13 900 29,850	8850 19,100	9950 21,450	6550 14,100	9450 20,900	6250 13,750	7780 25'5"
–3000 mm –10'0"	kg lb	*22 000 *47,800	*22 000 *47,800	*16 950 *36,600	13 850 29,800	*12 900 *27,650	9000 19,400			*10 600 *23,350	7500 16,650	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"

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

Long Wide Undercarriage (Broach)







		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	7300	*8550 *18,850	7150 15,900	7600 24'8"
4500 mm 15'0"	kg lb			*14 700 *31,550	*14 700 *31,550	*11 650 *25,300	10 150 21,850	*10 250 *22,300	7150 15,350	*8550 *18,850	6150 13,600	8210 26'10"
3000 mm 10'0"	kg lb			*18 000 *38,650	14 600 31,550	*13 150 *28,450	9600 20,650	10 300 22,150	6900 14,800	8450 18,600	5650 12,450	8520 27'11"
1500 mm 5'0"	kg lb			*20 000 *43,200	13 750 29,650	14 150 30,400	9100 19,650	10 050 21,600	6650 14,300	8250 18,150	5500 12,050	8550 28'0"
0 mm 0'0"	kg lb			*20 200 *43,800	13 500 29,000	13 850 29,700	8850 19,050	9850 21,200	6500 13,950	8500 18,700	5650 12,400	8310 27'3"
–1500 mm –5'0"	kg lb	*17 800 *40,400	*17 800 *40,400	*19 200 *41,650	13 500 29,000	13 750 29,550	8750 18,900	9850 21,200	6450 13,950	9350 20,650	6150 13,600	7780 25'5"
–3000 mm –10'0"	kg lb	*22 000 *47,800	*22 000 *47,800	*16 950 *36,600	13 700 29,500	*12 900 *27,650	8900 19,200			*10 600 *23,350	7450 16,500	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

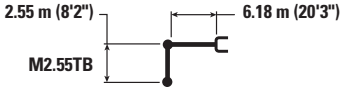
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

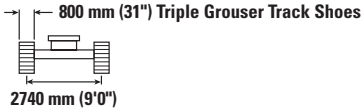
Lift capacity stays with ±5% for all available track shoes.

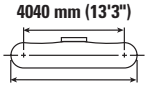
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

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

Long Wide Undercarriage (Broach)







		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	7400	*8550 *18,850	7250 16,150	7600 24'8"
4500 mm 15'0"	kg lb			*14 700 *31,550	*14 700 *31,550	*11 650 *25,300	10 300 22,200	*10 250 *22,300	7250 15,600	*8550 *18,850	6250 13,800	8210 26'10"
3000 mm 10'0"	kg lb			*18 000 *38,650	14 850 32,050	*13 150 *28,450	9750 21,000	10 500 22,550	7000 15,050	8600 18,900	5750 12,650	8520 27'11"
1500 mm 5'0"	kg lb			*20 000 *43,200	14 000 30,150	*14 350 30,950	9300 20,000	10 200 21,950	6750 14,550	8400 18,450	5600 12,300	8550 28'0"
0 mm 0'0"	kg lb			*20 200 *43,800	13 700 29,500	14 100 30,250	9000 19,400	10 050 21,600	6600 14,200	8650 19,050	5750 12,600	8310 27'3"
–1500 mm –5'0"	kg lb	*17 800 *40,400	*17 800 *40,400	*19 200 *41,650	13 750 29,500	14 000 30,050	8950 19,200	10 000 21,600	6600 14,200	9550 21,050	6300 13,850	7780 25'5"
–3000 mm –10'0"	kg lb	*22 000 *47,800	*22 000 *47,800	*16 950 *36,600	13 950 30,000	*12 900 *27,650	9050 19,550			*10 600 *23,350	7550 16,800	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.

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, Mass Boom, M2.55TB (8'4") Stick, Severe Duty (SD) 2.6 m^3 (3.4 yd^3) Bucket, 600 mm (24") Double Grouser Shoes, 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)	6	7	6-7	8	9	9	10	9	11	13	13	16
Limestone	1540 kg/m^3 (2,600 lb/yd^3)	6-7	8	7-8	9	11	10	11	11	13	15	15	18

** 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.*

Bucket Specifications and Compatibility

									Long Undercarriage	
									6.8 mt (15,000 lb) Counterweight	
		Width		Capacity		Weight		Fill	Reach HD	Mass
	Linkage	mm	in	m^3	yd^3	kg	lb	%	R3.2 HD (10'6")	M2.55 (8'4")
Pin-On (No Quick Coupler)										
Heavy Duty	DB	1650	65	2.12	2.77	1831	4,033	100	⊖	
	DB	1850	73	2.36	3.09	1929	4,248	100	○	
Severe Duty – V Edge	DB	1650	66	2.15	2.81	1802	3,972	90	◉	
Heavy Duty	TB	1750	69	2.50	3.27	2321	5,112	100		⊖
	TB	1850	72	2.69	3.52	2387	5,262	100		○
	TB	1900	75	2.80	3.66	2548	5,612	100		○
Severe Duty	TB	1800	71	2.60	3.40	2618	5,766	90		⊖
Severe Duty – V Edge	TB	1900	75	2.78	3.64	2844	6,264	90		○
Severe Duty – V Edge Power	TB	1750	69	2.40	3.14	2663	5,865	90		⊖
	TB	1900	75	2.60	3.40	2803	6,173	90		○
Extreme Duty – V Edge Power	TB	1550	61	2.00	2.62	2578	5,678	90		◉
	TB	1750	69	2.40	3.14	2799	6,165	90		⊖
Maximum load with pin-on (payload + bucket)								kg	5220	6100
								lb	11,508	13,448
With Cat Pin Grabber Coupler										
Heavy Duty	DB	1650	65	2.12	2.77	1831	4,033	100	○	
	DB	1850	73	2.36	3.09	1929	4,248	100	◇	
Severe Duty – V Edge	DB	1650	66	2.15	2.81	1802	3,972	90	○	
Heavy Duty	TB	1750	69	2.50	3.27	2321	5,112	100		◇
	TB	1850	72	2.69	3.52	2387	5,262	100		◇
	TB	1900	75	2.80	3.66	2548	5,612	100		◇
Severe Duty	TB	1800	71	2.60	3.40	2618	5,766	90		◇
Severe Duty – V Edge	TB	1900	75	2.78	3.64	2844	6,264	90		◇
Severe Duty – V Edge Power	TB	1750	69	2.40	3.14	2663	5,865	90		◇
	TB	1900	75	2.60	3.40	2803	6,173	90		◇
Extreme Duty – V Edge Power	TB	1550	61	2.00	2.62	2578	5,678	90		○
	TB	1750	69	2.40	3.14	2799	6,165	90		◇
Maximum load with coupler (payload + bucket)								kg	4522	5047
								lb	9,970	11,127
With CW Quick Coupler										
Severe Duty – V Edge	TB CW45	1650	66	2.41	3.15	2267	4,998	90		⊖
Maximum load with coupler (payload + bucket)								kg	4745	5605
								lb	10,461	12,357

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:

- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)
- ◇ 900 kg/m^3 (1,500 lb/yd^3)

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.

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				Long Wide			
Counterweight		6.8 mt (15,000 lb)				6.8 mt (15,000 lb)			
Boom Type		Reach HD			Mass	Reach HD			Mass
Stick Length		2.80 m HD (9'2")	3.20 m HD (10'6")	3.90 m HD (12'10")	2.55 m (8'4")	2.80 m HD (9'2")	3.20 m HD (10'6")	3.90 m HD (12'10")	2.55 m (8'4")
Hydraulic Hammers	H130 GC	✓	✓	✓		✓	✓	✓	
	H130 GC Side Mount	✓	✓	✓		✓	✓	✓	
	H130 GC S	✓	✓	✓		✓	✓	✓	
	H140 GC	✓	✓	✓	✓	✓	✓	✓	✓
	H140 GC Side Mount	✓	✓	✓		✓	✓	✓	
	H140 GC S	✓	✓	✓	✓	✓	✓	✓	✓
	H140 S	✓	✓	✓	✓	✓	✓	✓	✓
	H160 GC	✓	✓*	✓	✓	✓	✓	✓	✓
	H160 GC Side Mount	✓		✓		✓	✓	✓	✓
	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	✓	✓			✓	✓	✓*	

(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 | No Match | ● 1800 kg/m³ (3,000 lb/yd³) | ○ 1200 kg/m³ (2,000 lb/yd³)

PIN-ON ATTACHMENTS *(continued)*

Undercarriage		Long				Long Wide			
Counterweight		6.8 mt (15,000 lb)				6.8 mt (15,000 lb)			
Boom Type		Reach HD			Mass	Reach HD			Mass
Stick Length		2.80 m HD (9'2")	3.20 m HD (10'6")	3.90 m HD (12'10")	2.55 m (8'4")	2.80 m HD (9'2")	3.20 m HD (10'6")	3.90 m HD (12'10")	2.55 m (8'4")
Mulchers	HM5515	✓	✓	✓		✓	✓	✓	
	HM6015	✓	✓	✓		✓	✓	✓	
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓	✓	✓	✓	✓
Rotary Cutters	RC30	✓	✓	✓		✓	✓	✓	
	RC50				✓				✓
Orange Peel Grapples	GSH440-950					●	●	●	
	GSH440-1150					●	●	●	
	GSH440-1550					●	○	○	
	GSH455-1000					●	●	○	
	GSH455-1500					○	○		
	GSH555-1000					●	○		
	GSH555-1500					○			

(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

Undercarriage		Long				Long Wide			
Counterweight		6.8 mt (15,000 lb)				6.8 mt (15,000 lb)			
Boom Type		Reach HD			Mass	Reach HD			Mass
Stick Length		2.80 m HD (9'2")	3.20 m HD (10'6")	3.90 m HD (12'10")	2.55 m (8'4")	2.80 m HD (9'2")	3.20 m HD (10'6")	3.90 m HD (12'10")	2.55 m (8'4")
Hydraulic Hammers	H130 GC	✓	✓	✓		✓	✓	✓	
	H130 GC Side Mount	✓	✓	✓		✓	✓	✓	
	H130 GC S	✓	✓	✓		✓	✓	✓	
	H140 GC	✓*	✓	✓*	✓	✓	✓	✓	✓
	H140 GC Side Mount	✓	✓			✓	✓	✓*	
	H140 GC S	✓	✓		✓	✓	✓	✓*	✓
	H140 S	✓	✓	✓	✓	✓	✓	✓	✓
	H160 GC	✓	✓		✓	✓	✓	✓*	✓
	H160 GC Side Mount					✓	✓*		✓*
	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 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)

Attachments Offering Guide *(continued)*

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

✓ Match | * Working range front only | No Match

CW-45 DEDICATED COUPLER ATTACHMENTS

Undercarriage		Long				Long Wide			
Counterweight		6.8 mt (15,000 lb)				6.8 mt (15,000 lb)			
Boom Type		Reach HD			Mass	Reach HD			Mass
Stick Length		2.80 m HD (9'2")	3.20 m HD (10'6")	3.90 m HD (12'10")	2.55 m (8'4")	2.80 m HD (9'2")	3.20 m HD (10'6")	3.90 m HD (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					✓*			✓
	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					✓	✓*		
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓	✓	✓	✓	✓
Rotary Cutters	RC30	✓	✓	✓		✓	✓	✓	
	RC50				✓				✓

(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

S80 DEDICATED COUPLER ATTACHMENTS

Undercarriage		Long			Long Wide		
Counterweight		6.8 mt (15,000 lb)			6.8 mt (15,000 lb)		
Boom Type		Reach HD			Reach HD		
Stick Length		2.80 m HD (9'2")	3.20 m HD (10'6")	3.90 m HD (12'10")	2.80 m HD (9'2")	3.20 m HD (10'6")	3.90 m HD (12'10")
Hydraulic Hammers	H130 GC S	✓	✓	✓	✓	✓	✓
	H140 GC	✓*	✓*		✓	✓	
	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)

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			Long Wide		
Counterweight		6.8 mt (15,000 lb)			6.8 mt (15,000 lb)		
Boom Type		Reach HD			Reach HD		
Stick Length		2.80 m HD (9'2")	3.20 m HD (10'6")	3.90 m HD (12'10")	2.80 m HD (9'2")	3.20 m HD (10'6")	3.90 m HD (12'10")
Hydraulic Hammers	H140 GC	✓*	✓*		✓	✓	
	H140 S	✓	✓	✓	✓	✓	✓
	H160 GC				✓*		
	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		Long Wide	
Counterweight		6.8 mt (15,000 lb)		6.8 mt (15,000 lb)	
Boom Type		Reach HD	Mass	Reach HD	Mass
Mobile Scrap and Demolition Shears	S2070	✓	✓	✓	✓
	S2090	✓*	✓	✓	✓
	S3070 Flat Top			✓	

Standard and Optional Equipment

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

	Standard	Optional
BOOMS, STICKS AND LINKAGES		
6.18 m (20'3") Mass boom		✓
6.5 m (21'4") HD Reach boom		✓
2.55 m (8'4") Mass stick		✓
3.2 m (10'6") HD 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		✓

	Standard	Optional
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	✓	
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	✓	

[1]Provides 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.

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

(continued on next page)

Standard and Optional Equipment *(continued)*

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

	Standard	Optional
HYDRAULIC SYSTEM		
Boom and stick regeneration circuit	✓	
Electronic main control valve	✓	
Auto heavy lift	✓	
Auto dig boost		✓
Auto hydraulic oil warmup	✓	
Bio hydraulic oil capability	✓	
Fine swing	✓	
Reverse swing damping valve	✓	
Auto swing parking brake	✓	
High performance hydraulic return filter	✓	
Two speed travel	✓	
Single one-way circuit		✓
Combined two-way circuit with hammer return filter		✓
Quick coupler circuit for Cat Pin Grabber		✓
Hydraulic efficiency monitoring		✓
SAFETY AND SECURITY		
2D E-Fence: – 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	✓	
Lockable disconnect switch	✓	
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	✓	
Rearview camera	✓	
360° visibility		✓
Operator Protective Guards		✓
Inspection lighting		✓
Travel alarm	✓	

	Standard	Optional
SERVICE AND MAINTENANCE		
Integrated vehicle health management system	✓	
Grouped engine oil and fuel filters	✓	
S·O·S℠ ports	✓	
QuickEvac™ maintenance ready		✓
UNDERCARRIAGE AND STRUCTURES		
Long wide undercarriage	✓	
Towing eye on base frame	✓	
Full-length track guiding guards		✓
Segmented two-piece track guiding guards		✓
Swivel guard	✓	
Bottom guard		✓
HD bottom guard		✓
Travel motor guard		✓
HD travel motor guards		✓
Grease lubricated track	✓	
6.8 mt (15,000 lb) counterweight	✓	
600 mm (24") double grouser track shoes		✓
700 mm (28") triple grouser track shoes		✓
800 mm (31") triple grouser track shoes		✓

336 Dealer Installed Kit and Attachments

Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

- Lower radial wiper
- Left Hand (LH)/RH electrical pedal for tool control
- Polycarbonate roof hatch

GUARDS

- Mesh guard full front
- Mesh guard half front
- Full protecting vandalism guard

SAFETY AND SECURITY

- Bluetooth® receiver kit
- Bluetooth key fob
- P5A laminated glass
- Operator Protective Guards
- Cat Detect – People Detection
- Cat Command – Remote control kit

Cab Options

	Essential	Deluxe
Rollover Protective Structure (ROPS)	●	●
Operator Protective Guards (OPG)	○	○
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	X	●
Keyless push-to-start engine control	●	●
Height-adjustable console	X	●
Tilt-up left-side console	X	●
Air-suspension seat	●	X
Heated air-suspension seat	X	●
51 mm (2") seat belt	●	●
Monitor integrated Bluetooth radio with USB/Auxiliary ports	X	●
Bluetooth radio with USB/Aux ports	●	X
12V DC outlets	X	●
24V DC outlet	●	X
Document storage	X	●
Overhead storage and rear storage with nets	X	●
Beverage holder	●	●
Cup holder	X	●
Openable two-piece front window	●	●
Rear window emergency exit	●	●
Radial wiper with washer	●	●
Openable polycarbonate skylight hatch	X	●
Openable steel hatch	●	X
LED dome light	●	●
Floor welcome light	X	●
Roof sunscreen	X	●
Roller front sunscreen	●	●
Roller rear sunscreen	○	○
Washable floor mat	●	●
Beacon ready	X	●
Cat Stick Steer	X	○
Auxiliary relay	○	○

● Standard

○ Optional

X Not Available

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

- Meets China Nonroad emits equilvalent to Stage III, U.S. EPA Tier 3 and EU Stage IIIA.
- Cat® engines are compatible with diesel fuel blended with the following lower-carbon intensity fuels** up to:
  - ✓ 100% 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.

**For use of blends higher than 20% biodiesel, consult your Cat dealer.*

***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 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 CO_2 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 CO_2 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). 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 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 supports reduced fuel consumption for light applications
  - – Reduce fuel consumption with the high-efficiency hydraulic fan that cools the engine on demand
  - – Remotely monitor fuel consumption, machine health, location, and hours on demand through Product Link™ and VisionLink™
  - – Extended service intervals help decrease maintenance costs

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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AEXQ4078-01 (12-2025)
Replaces: AEXQ4078-00
Build Number: 08D
(S Am [except Chile, Colombia])

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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