

340
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 3
Air Conditioning System 3
Operating Weights and Ground Pressures 3
Major Component Weights 4
Dimensions 5
Working Ranges and Forces 6
Reach Boom Lift Capacities – Counterweight: 7.56 mt (16,700 lb) 7
Mass Boom Lift Capacities – Counterweight: 7.56 mt (16,700 lb) 12
Typical Pass Match Guide 14
Bucket Specifications and Compatibility 15
Attachments Offering Guide 17

Standard and Optional Equipment 18
Dealer Installed Kits and Attachments 20
Cab Options 21
340 Environmental Declaration 22

340 Hydraulic Excavator Specifications

Engine

Engine Model	Cat® C9.3B	
Net Power		
ISO 9249	258.3 kW	346 hp
ISO 9249 (DIN)	351 hp (metric)	
Engine Power		
ISO 14396	259 kW	347 hp
ISO 14396 (DIN)	352 hp (metric)	
Bore	115 mm	5 in
Stroke	149 mm	6 in
Displacement	9.3 L	568 in^3

- Meets UN ECE R96 Stage IIIA emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Recommended for use up to 4500 m (14,760 ft) altitude with engine power derate above 3000 m (9,840 ft).
- 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 1,900 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	105,471 lbf·ft

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

Weights

Operating Weight	36 800 kg	81,200 lb

- Long Wide Undercarriage, Heavy Duty (HD) Reach Boom, HD R3.2DB (10'6") Stick, General Duty (GD) 2.5 m^3 (3.27 yd^3) Bucket, 600 mm (24") Triple Grouser Shoes, 7.56 mt (16,700 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	301.5 kN	67,780 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	40 L	10.5 gal
Engine Oil (with filter)	32 L	8.5 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)	106 dB(A)
ISO 6396:2008 (inside cab)	73 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 (Global Warming Potential = 1430). The system contains 1.00 kg (2.205 lb.) of refrigerant, which has a CO_2 equivalent of 1.430 metric tonnes (1.576 tons).

Operating Weights and Ground Pressures

	600 mm (24") Triple Grouser Shoes		700 mm (28") Triple Grouser Shoes		800 mm (31") Triple Grouser Shoes	
	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure
Base Machine Configurations	**kg (lb)**	**kPa (psi)**	**kg (lb)**	**kPa (psi)**	**kg (lb)**	**kPa (psi)**
Base Frame with HD Track Rollers and Carrier Rollers for Long Wide Undercarriage						
7.56 mt (16,700 lb) Counterweight + Long Wide Undercarriage Base Machine + HD Reach Boom						
HD R3.9 m DB (12'10") Stick, 2.5 m³ GD (3.27 yd³) Bucket	37 000 (81,500)	68.9 (10.0)	37 300 (82,300)	59.6 (8.6)	38 000 (83,800)	53.1 (7.7)
HD R3.2 m DB (10'6") Stick, 2.5 m³ GD (3.27 yd³) Bucket	36 800 (81,200)	68.6 (9.9)	37 200 (81,900)	59.3 (8.6)	37 800 (83,400)	52.8 (7.7)
7.56 mt (16,700 lb) Counterweight + Long Wide Undercarriage Base Machine + Mass Boom						
M2.55 m TB (8'4") Stick, 2.78 m³ Severe Duty V-Edge (SDV) (3.64 yd³) Bucket	38 300 (84,500)	71.4 (10.4)	38 700 (85,300)	61.8 (9.0)	39 300 (86,700)	55.0 (8.0)

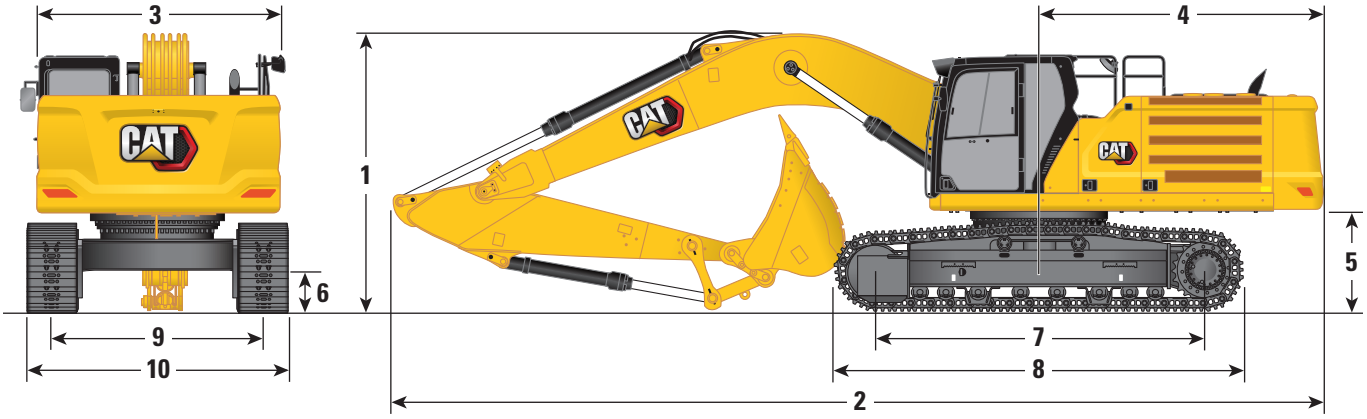
All operating weights include a 90% fuel tank with 75 kg (165 lb) operator.

Major Component Weights

	kg	lb
Base Machine with 7.56 mt (16,700 lb) Counterweight, HD Swing Frame, Base Frame with HD Track Rollers and Carrier Rollers for Long Wide Undercarriage	25 240	55,650
Track Shoes:		
600 mm (24") Width, 11 mm (0.43") Thick, Triple Grouser Track Shoes	4090	9,020
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:		
7.56 mt (16,700 lb) Counterweight	7560	16,670
Swing Frame:		
HD Swing Frame	3260	7,180
Undercarriage:		
Base Frame with HD Track Rollers and Carrier Rollers	8750	19,290
Booms (including lines, pins, stick cylinder):		
HD Reach Boom 6.5 m (21'4")	3480	7,670
Mass Boom 6.18 m (20'3")	3500	7,710
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
HD Reach Stick R3.2DB (10'6")	1920	4,220
HD Reach Stick R3.9DB (12'10")	2090	4,610
Mass Stick M2.55TB (8'4")	2120	4,680
Buckets (without linkage):		
2.5 m^3 (3.27 yd^3) GD	1540	3,380
2.78 m^3 (3.64 yd^3) SDV	2840	6,270
Quick Coupler (QC):		
Pin Grabber QC	700	1,550

Dimensions

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

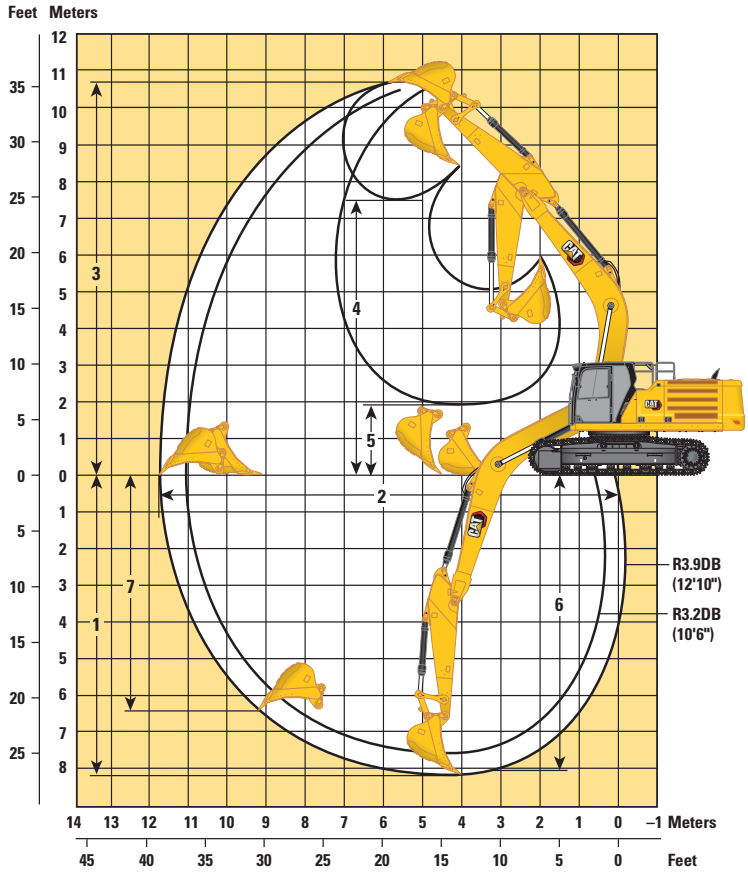


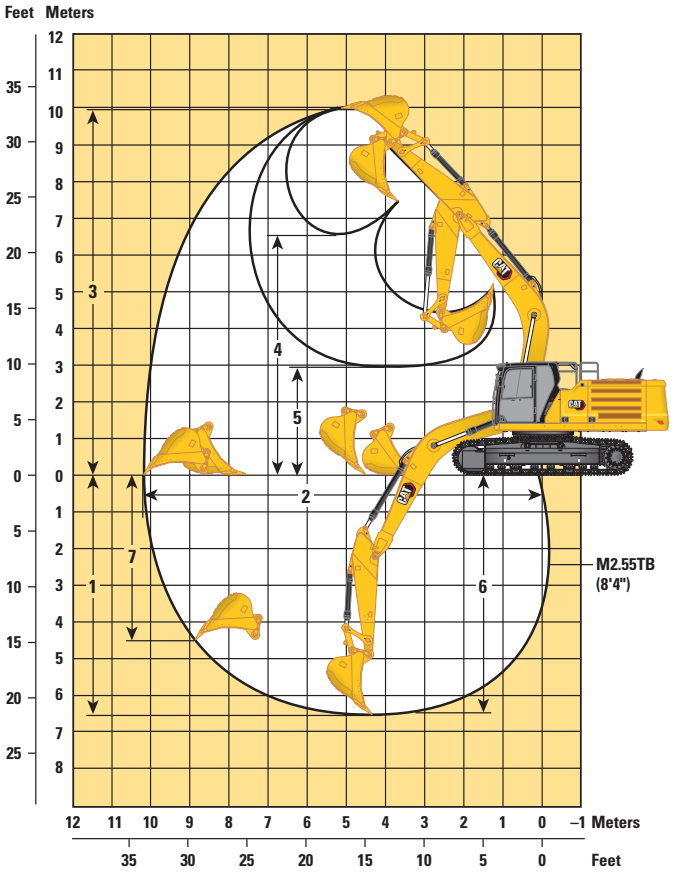
Undercarriage Option	Long Wide Undercarriage					
Boom Options	Reach Boom 6.5 m (21'4")				Mass Boom 6.18 m (20'3")	
Stick Options	Reach Stick				Mass Stick	
	R3.9DB (12'10")		R3.2DB (10'6")		M2.55TB (8'4")	
1 Machine Height:						
Cab Height	3180 mm	10'5"	3180 mm	10'5"	3180 mm	10'5"
OPG Height	3330 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"	3620 mm	11'11"
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"	3630 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"	10 890 mm	35'9"
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"	10 890 mm	35'9"
With Boom/Stick Installed (with auxiliary lines)	11 170 mm	36'8"	11 120 mm	36'6"	10 830 mm	35'6"
With Boom Installed (with auxiliary lines)	10 010 mm	32'10"	10 010 mm	32'10"	9640 mm	31'8"
3 Upperframe Width without Walkways	2970 mm	9'9"	2970 mm	9'9"	2970 mm	9'9"
4 Tail Swing Radius	3530 mm	11'7"	3530 mm	11'7"	3530 mm	11'7"
5 Counterweight Clearance	1260 mm	4'2"	1260 mm	4'2"	1260 mm	4'2"
6 Ground Clearance	510 mm	1'8"	510 mm	1'8"	510 mm	1'8"
7 Track Length – Length to Center of Rollers	4040 mm	13'3"	4040 mm	13'3"	4040 mm	13'3"
8 Track Length	5030 mm	16'6"	5030 mm	16'6"	5030 mm	16'6"
9 Track Gauge	2740 mm	9'0"	2740 mm	9'0"	2740 mm	9'0"
10 Track Width/Undercarriage Width (with steps):						
600 mm (24") Shoes	3340 mm	10'11"	3340 mm	10'11"	3340 mm	10'11"
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"
Bucket Type	GD		GD		SDV	
Bucket Capacity	2.50 m^3	3.27 yd^3	2.50 m^3	3.27 yd^3	2.78 m^3	3.64 yd^3
Bucket Tip Radius	1760 mm	5.8 ft	1760 mm	5.8 ft	1960 mm	6.4 ft

340 Hydraulic Excavator Specifications

Working Ranges and Forces

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

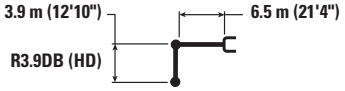


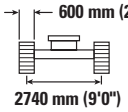


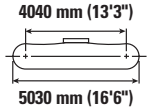
Undercarriage Option	Long Wide Undercarriage					
Boom Options	Reach Boom 6.5 m (21'4")				Mass Boom 6.18 m (20'3")	
Stick Options	Reach Stick				Mass Stick	
	R3.9DB (12'10")		R3.2DB (10'6")		M2.55TB (8'4")	
1 Maximum Digging Depth	8180 mm	26'10"	7480 mm	24'6"	6700 mm	22'0"
2 Maximum Reach at Ground Line	11 720 mm	38'5"	11 020 mm	36'2"	10 330 mm	33'11"
3 Maximum Cutting Height	10 780 mm	35'4"	10 360 mm	34'0"	10 010 mm	32'10"
4 Maximum Loading Height	7510 mm	24'8"	7120 mm	23'4"	6560 mm	21'6"
5 Minimum Loading Height	1920 mm	6'4"	2620 mm	8'7"	2870 mm	9'5"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	8050 mm	26'5"	7320 mm	24'0"	6540 mm	21'5"
7 Maximum Vertical Wall Digging Depth	6360 mm	20'10"	5550 mm	18'3"	4670 mm	15'4"
Bucket Digging Force (ISO)	209 kN	46,940 lbf	209 kN	46,940 lbf	263 kN	59,210 lbf
Stick Digging Force (ISO)	144 kN	32,360 lbf	165 kN	37,200 lbf	190 kN	42,780 lbf
Bucket Digging Force (ISO) – CAT dig boost	227 kN	50,960 lbf	227 kN	50,960 lbf	286 kN	64,290 lbf
Stick Digging Force (ISO) – CAT dig boost	156 kN	35,130 lbf	180 kN	40,390 lbf	207 kN	46,450 lbf
Bucket Type	GD		GD		SDV	
Bucket Capacity	2.50 m^3	3.27 yd^3	2.50 m^3	3.27 yd^3	2.78 m^3	3.64 yd^3
Bucket Tip Radius	1760 mm	5.8 ft	1760 mm	5.8 ft	1960 mm	6.4 ft

Reach Boom Lift Capacities – Counterweight: 7.56 mt (16,700 lb) – without Bucket

Long Wide Undercarriage







		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													*5600 *12,450	*5600 *12,450	7360 23'8"
7500 mm 25'0"	kg lb									*6850 *15,150	*6850 *15,150			*5200 *11,500	*5200 *11,500	8550 27'9"
6000 mm 20'0"	kg lb									*7150 *15,600	*7150 *15,600	*6800 *13,100	6150 *13,100	*5050 *11,100	*5050 *11,100	9340 30'6"
4500 mm 15'0"	kg lb							*8750 *18,950	*8750 *18,950	*7800 *17,000	*7800 *17,000	*7250 *15,900	6050 12,950	*5050 *11,150	*5050 *11,150	9850 32'2"
3000 mm 10'0"	kg lb					*13 750 *29,600	*13 750 *29,600	*10 400 *22,450	*10 400 *22,450	*8700 *18,850	7750 16,750	*7700 *16,800	5900 12,600	*5250 *11,500	4850 10,700	10 100 33'1"
1500 mm 5'0"	kg lb					*16 550 *35,700	15 550 33,450	*11 900 *25,750	10 250 22,050	*9550 *20,700	7450 16,000	*8200 *17,750	5700 12,250	*5550 *12,150	4750 10,450	10 130 33'2"
0 mm 0'0"	kg lb			*7750 *17,600	*7750 *17,600	*18 000 *38,950	14 850 32,000	*12 950 *28,050	9800 21,100	*10 200 *22,100	7200 15,450	8200 17,600	5550 11,900	*6050 *13,300	4800 10,600	9930 32'6"
–1500 mm –5'0"	kg lb	*8100 *18,050	*8100 *18,050	*12 150 *27,450	*12 150 *27,450	*18 200 *39,450	14 600 31,450	*13 350 *28,950	9600 20,600	*10 500 22,650	7000 15,100	8100 17,450	5450 11,750	*6900 *15,200	5100 11,250	9480 31'0"
–3000 mm –10'0"	kg lb	*12 850 *28,800	*12 850 *28,800	*17 750 *40,150	*17 750 *40,150	*17 400 *37,650	14 650 31,450	*13 050 *28,150	9550 20,500	*10 150 *21,900	7000 15,050			*8200 *18,050	5700 12,600	8760 28'7"
–4500 mm –15'0"	kg lb	*18 500 *41,600	*18 500 *41,600	*21 450 *46,250	*21 450 *46,250	*15 450 *33,300	14 850 31,950	*11 700 *25,100	9650 20,800	*8750	7150			*8350 *18,400	6950 15,450	7680 24'11"
–6000 mm –20'0"	kg lb					*11 700 *24,550	*11 700 *24,550	*8200	*8200					*8100 *17,750	*8100 *17,750	6040 19'4"

* 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.

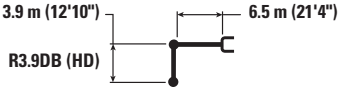
Lift capacity stays with ±5% for all available track shoes.

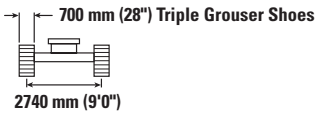
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

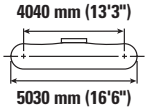
340 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 7.56 mt (16,700 lb) – without Bucket

Long Wide Undercarriage







		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													*5600 *12,450	*5600 *12,450	7360 23'8"
7500 mm 25'0"	kg lb									*6850 *15,150	*6850 *15,150			*5200 *11,500	*5200 *11,500	8550 27'9"
6000 mm 20'0"	kg lb									*7150 *15,600	*7150 *15,600	*6800 *13,100	6200 *13,100	*5050 *11,100	*5050 *11,100	9340 30'6"
4500 mm 15'0"	kg lb							*8750 *18,950	*8750 *18,950	*7800 *17,000	*7800 *17,000	*7250 *15,900	6100 13,100	*5050 *11,150	*5050 *11,150	9850 32'2"
3000 mm 10'0"	kg lb					*13 750 *29,600	*13 750 *29,600	*10 400 *22,450	*10 400 *22,450	*8700 *18,850	7850 16,850	*7700 *16,800	5950 12,750	*5250 *11,500	4900 10,800	10 100 33'1"
1500 mm 5'0"	kg lb					*16 550 *35,700	15 650 33,750	*11 900 *25,750	10 350 22,250	*9550 *20,700	7500 16,150	*8200 *17,750	5750 12,350	*5550 *12,150	4800 10,550	10 130 33'2"
0 mm 0'0"	kg lb			*7750 *17,600	*7750 *17,600	*18 000 *38,950	15 000 32,250	*12 950 *28,050	9900 21,300	*10 200 *22,100	7250 15,600	8250 17,750	5600 12,050	*6050 *13,300	4850 10,700	9930 32'6"
–1500 mm –5'0"	kg lb	*8100 *18,050	*8100 *18,050	*12 150 *27,450	*12 150 *27,450	*18 200 *39,450	14 750 31,700	*13 350 *28,950	9650 20,800	*10 500 *22,700	7100 15,250	8200 17,600	5500 11,900	*6900 *15,200	5150 11,350	9480 31'0"
–3000 mm –10'0"	kg lb	*12 850 *28,800	*12 850 *28,800	*17 750 *40,150	*17 750 *40,150	*17 400 *37,650	14 750 31,750	*13 050 *28,150	9600 20,700	*10 150 *21,900	7050 15,200			*8200 *18,050	5750 12,700	8760 28'7"
–4500 mm –15'0"	kg lb	*18 500 *41,600	*18 500 *41,600	*21 450 *46,250	*21 450 *46,250	*15 450 *33,300	15 000 32,250	*11 700 *25,100	9750 21,000	*8750	7200			*8350 *18,400	7000 15,600	7680 24'11"
–6000 mm –20'0"	kg lb					*11 700 *24,550	*11 700 *24,550	*8200	*8200					*8100 *17,750	*8100 *17,750	6040 19'4"

* ISO 10567:2007

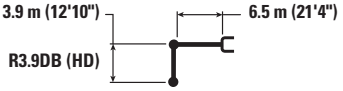
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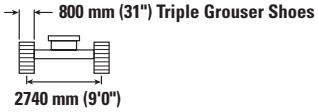
Lift capacity stays with ±5% for all available track shoes.

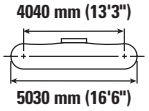
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

Reach Boom Lift Capacities – Counterweight: 7.56 mt (16,700 lb) – without Bucket

Long Wide Undercarriage







		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													*5600 *12,450	*5600 *12,450	7360 23'8"
7500 mm 25'0"	kg lb									*6850 *15,150	*6850 *15,150			*5200 *11,500	*5200 *11,500	8550 27'9"
6000 mm 20'0"	kg lb									*7150 *15,600	*7150 *15,600	*6800 *13,100	6300 *13,100	*5050 *11,100	*5050 *11,100	9340 30'6"
4500 mm 15'0"	kg lb							*8750 *18,950	*8750 *18,950	*7800 *17,000	*7800 *17,000	*7250 *15,900	6200 13,300	*5050 *11,150	*5050 *11,150	9850 32'2"
3000 mm 10'0"	kg lb					*13 750 *29,600	*13 750 *29,600	*10 400 *22,450	*10 400 *22,450	*8700 *18,850	7950 17,150	*7700 *16,800	6000 12,950	*5250 *11,500	5000 11,000	10 100 33'1"
1500 mm 5'0"	kg lb					*16 550 *35,700	15 900 34,250	*11 900 *25,750	10 500 22,600	*9550 *20,700	7650 16,400	*8200 *17,750	5850 12,550	*5550 *12,150	4900 10,750	10 130 33'2"
0 mm 0'0"	kg lb			*7750 *17,600	*7750 *17,600	*18 000 *38,950	15 250 32,800	*12 950 *28,050	10 050 21,650	*10 200 *22,100	7350 15,850	8400 18,100	5700 12,250	*6050 *13,300	4950 10,900	9930 32'6"
–1500 mm –5'0"	kg lb	*8100 *18,050	*8100 *18,050	*12 150 *27,450	*12 150 *27,450	*18 200 *39,450	15 000 32,200	*13 350 *28,950	9800 21,150	*10 500 *22,700	7200 15,500	8300 17,900	5600 12,100	*6900 *15,200	5250 11,550	9480 31'0"
–3000 mm –10'0"	kg lb	*12 850 *28,800	*12 850 *28,800	*17 750 *40,150	*17 750 *40,150	*17 400 *37,650	15 000 32,250	*13 050 *28,150	9750 21,050	*10 150 *21,900	7150 15,450			*8200 *18,050	5850 12,950	8760 28'7"
–4500 mm –15'0"	kg lb	*18 500 *41,600	*18 500 *41,600	*21 450 *46,250	*21 450 *46,250	*15 450 *33,300	15 250 32,750	*11 700 *25,100	9900 21,350	*8750	7300			*8350 *18,400	7100 15,850	7680 24'11"
–6000 mm –20'0"	kg lb					*11 700 *24,550	*11 700 *24,550	*8200	*8200					*8100 *17,750	*8100 *17,750	6040 19'4"

* 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.

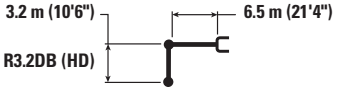
Lift capacity stays with ±5% for all available track shoes.

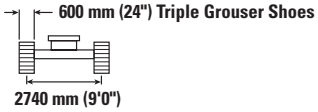
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

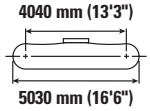
340 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 7.56 mt (16,700 lb) – without Bucket

Long Wide Undercarriage



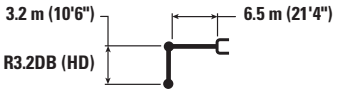


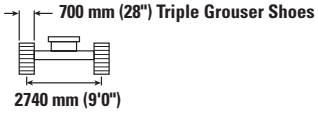


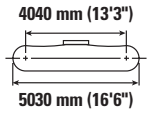
		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		9000 mm/30'0"				
														mm ft/in
7500 mm 25'0"	kg lb							*7850 *14,900	*7850 *14,900			*6700 *14,800	*6700 *14,800	7720 25'0"
6000 mm 20'0"	kg lb							*7950 *17,400	*7950 *17,400			*6500 *14,350	*6500 *14,350	8590 28'0"
4500 mm 15'0"	kg lb			*12 200 *26,200	*12 200 *26,200	*9800 *21,150	*9800 *21,150	*8550 *18,600	8000 17,250	*7750	6000	*6550 *14,400	5850 12,900	9140 29'10"
3000 mm 10'0"	kg lb			*15 400 *33,100	*15 400 *33,100	*11 300 *24,450	10 700 23,000	*9350 *20,250	7700 16,600	*8250 *17,950	5850 12,600	*6800 *15,000	5450 12,050	9410 30'10"
1500 mm 5'0"	kg lb			*17 700 *38,200	15 300 32,900	*12 650 *27,300	10 150 21,900	*10 100 *21,850	7450 16,000	8350 18,000	5700 12,300	*7300 *16,050	5350 11,750	9440 30'11"
0 mm 0'0"	kg lb			*18 450 *39,950	14 850 31,950	*13 400 *29,000	9800 21,150	*10 550 *22,850	7200 15,550	8250 17,750	5600 12,100	8000 17,550	5450 11,950	9220 30'2"
–1500 mm –5'0"	kg lb	*13 300 *30,100	*13 300 *30,100	*18 050 *39,150	14 800 31,750	*13 450 *29,150	9700 20,850	*10 600 *22,850	7100 15,350			8600 18,900	5800 12,800	8740 28'7"
–3000 mm –10'0"	kg lb	*21 000 *47,550	*21 000 *47,550	*16 700 *36,200	14 900 32,000	*12 700 *27,450	9700 20,900	*9800 *21,050	7150 15,450			*9000 *19,800	6650 14,750	7950 25'11"
–4500 mm –15'0"	kg lb	*18 700 *40,300	*18 700 *40,300	*14 100 *30,300	*14 100 *30,300	*10 650 *22,700	9950 21,450					*9000 *19,800	8500 19,100	6740 21'10"

Reach Boom Lift Capacities – Counterweight: 7.56 mt (16,700 lb) – without Bucket

Long Wide Undercarriage







		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							*7850 *14,900	*7850 *14,900			*6700 *14,800	*6700 *14,800	7720 25'0"
6000 mm 20'0"	kg lb							*7950 *17,400	*7950 *17,400			*6500 *14,350	*6500 *14,350	8590 28'0"
4500 mm 15'0"	kg lb			*12 200 *26,200	*12 200 *26,200	*9800 *21,150	*9800 *21,150	*8550 *18,600	8100 17,400	*7750	6050	*6550 *14,400	5900 13,050	9140 29'10"
3000 mm 10'0"	kg lb			*15 400 *33,100	*15 400 *33,100	*11 300 *24,450	10 750 23,200	*9350 *20,250	7800 16,750	*8250 *17,950	5900 12,700	*6800 *15,000	5500 12,150	9410 30'10"
1500 mm 5'0"	kg lb			*17 700 *38,200	15 400 33,200	*12 650 *27,300	10 250 22,050	*10 100 *21,850	7500 16,150	8450 18,150	5750 12,400	*7300 *16,050	5400 11,850	9440 30'11"
0 mm 0'0"	kg lb			*18 450 *39,950	15 000 32,250	*13 400 *29,000	9900 21,350	*10 550 *22,850	7300 15,700	8350 17,950	5650 12,200	8050 17,750	5500 12,050	9220 30'2"
–1500 mm –5'0"	kg lb	*13 300 *30,100	*13 300 *30,100	*18 050 *39,150	14 900 32,050	*13 450 *29,150	9750 21,000	*10 600 *22,850	7200 15,500			8650 19,100	5850 12,950	8740 28'7"
–3000 mm –10'0"	kg lb	*21 000 *47,550	*21 000 *47,550	*16 700 *36,200	15 050 32,300	*12 700 *27,450	9800 21,100	*9800 *21,050	7250 15,600			*9000 *19,800	6700 14,850	7950 25'11"
–4500 mm –15'0"	kg lb	*18 700 *40,300	*18 700 *40,300	*14 100 *30,300	*14 100 *30,300	*10 650 *22,700	10 050 21,650					*9000 *19,800	8600 19,250	6740 21'10"

* ISO 10567:2007

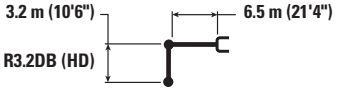
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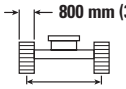
Lift capacity stays with ±5% for all available track shoes.

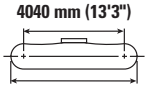
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

Reach Boom Lift Capacities – Counterweight: 7.56 mt (16,700 lb) – without Bucket

Long Wide Undercarriage







		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**							*7850 ***14,900**	*7850 ***14,900**			*6700 ***14,800**	*6700 ***14,800**	7720 **25'0"**
6000 mm **20'0"**	kg **lb**							*7950 ***17,400**	*7950 ***17,400**			*6500 ***14,350**	*6500 ***14,350**	8590 **28'0"**
4500 mm **15'0"**	kg **lb**			*12 200 ***26,200**	*12 200 ***26,200**	*9800 ***21,150**	*9800 ***21,150**	*8550 ***18,600**	8200 **17,650**	*7750	6150	*6550 ***14,400**	6000 **13,250**	9140 **29'10"**
3000 mm **10'0"**	kg **lb**			*15 400 ***33,100**	*15 400 ***33,100**	*11 300 ***24,450**	10 900 **23,550**	*9350 ***20,250**	7900 **17,000**	*8250 ***17,950**	6000 **12,900**	*6800 ***15,000**	5600 **12,350**	9410 **30'10"**
1500 mm **5'0"**	kg **lb**			*17 700 ***38,200**	15 650 **33,700**	*12 650 ***27,300**	10 400 **22,400**	*10 100 ***21,850**	7600 **16,400**	*8600 ***18,450**	5850 **12,600**	*7300 ***16,050**	5450 **12,050**	9440 **30'11"**
0 mm **0'0"**	kg **lb**			*18 450 ***39,950**	15 250 **32,750**	*13 400 ***29,000**	10 050 **21,650**	*10 550 ***22,850**	7400 **15,950**	8450 **18,250**	5750 **12,400**	*8100 ***17,850**	5600 **12,250**	9220 **30'2"**
–1500 mm **–5'0"**	kg **lb**	*13 300 ***30,100**	*13 300 ***30,100**	*18 050 ***39,150**	15 150 **32,550**	*13 450 ***29,150**	9900 **21,350**	*10 600 ***22,850**	7300 **15,750**			*8750 ***19,300**	5950 **13,150**	8740 **28'7"**
–3000 mm **–10'0"**	kg **lb**	*21 000 ***47,550**	*21 000 ***47,550**	*16 700 ***36,200**	15 250 **32,800**	*12 700 ***27,450**	9950 **21,450**	*9800 ***21,050**	7350 **15,850**			*9000 ***19,800**	6850 **15,100**	7950 **25'11"**
–4500 mm **–15'0"**	kg **lb**	*18 700 ***40,300**	*18 700 ***40,300**	*14 100 ***30,300**	*14 100 ***30,300**	*10 650 ***22,700**	10 200 **22,000**					*9000 ***19,800**	8750 **19,550**	6740 **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.

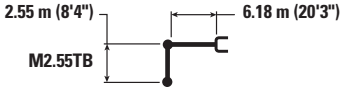
Lift capacity stays with ±5% for all available track shoes.

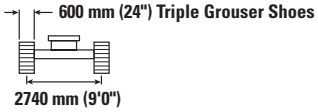
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

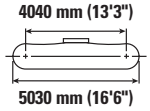
340 Hydraulic Excavator Specifications

Mass Boom Lift Capacities – Counterweight: 7.56 mt (16,700 lb) – without Bucket

Long Wide Undercarriage



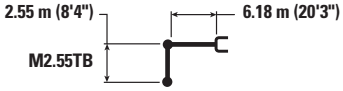


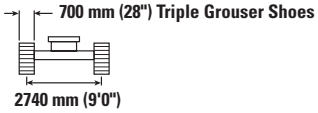


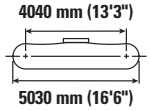
		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"				
												mm ft/in
7500 mm 25'0"	kg lb					*9200 *20,250	*9200 *20,250			*8200 *18,200	*8200 *18,200	6600 21'3"
6000 mm 20'0"	kg lb					*9500 *20,700	*9500 *20,700	*8950	7900	*7850 *17,250	7700 17,200	7600 24'9"
4500 mm 15'0"	kg lb			*13 300 *28,600	*13 300 *28,600	*10 550 *22,850	*10 550 *22,850	*9250 *20,100	7750 16,650	*7850 *17,200	6700 14,750	8220 26'10"
3000 mm 10'0"	kg lb			*16 300 *35,000	15 800 34,100	*11 900 *25,700	10 400 22,400	*9800 *21,300	7500 16,100	*8150 *17,850	6150 13,600	8520 27'11"
1500 mm 5'0"	kg lb			*18 050 *39,000	14 950 32,250	*12 950 *28,050	9900 21,350	*10 350 *22,450	7250 15,600	*8750 *19,250	6000 13,200	8550 28'0"
0 mm 0'0"	kg lb			*18 250 *39,500	14 700 31,600	*13 400 *29,050	9650 20,800	*10 550 22,800	7100 15,250	9150 20,150	6150 13,550	8310 27'3"
–1500 mm –5'0"	kg lb	*16 900 *38,400	*16 900 *38,400	*17 300 *37,500	14 700 31,600	*13 050 *28,250	9600 20,650	*10 050 *21,600	7050 15,250	*9550 *21,000	6750 14,900	7770 25'5"
–3000 mm –10'0"	kg lb	*19 750 *42,850	*19 750 *42,850	*15 200 *32,850	14 950 32,100	*11 550 *24,800	9700 20,950			*9500 *20,950	8100 18,050	6870 22'4"
–4500 mm –15'0"	kg lb			*11 050 *23,350	*11 050 *23,350					*8800 *19,150	*8800 *19,150	5410 17'5"

Mass Boom Lift Capacities – Counterweight: 7.56 mt (16,700 lb) – without Bucket

Long Wide Undercarriage







		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					*9200 *20,250	*9200 *20,250			*8200 *18,200	*8200 *18,200	6600 21'3"
6000 mm 20'0"	kg lb					*9500 *20,700	*9500 *20,700	*8950	7950	*7850 *17,250	7800 *17,250	7600 24'9"
4500 mm 15'0"	kg lb			*13 300 *28,600	*13 300 *28,600	*10 550 *22,850	*10 550 *22,850	*9250 *20,100	7800 16,800	*7850 *17,200	6750 14,900	8220 26'10"
3000 mm 10'0"	kg lb			*16 300 *35,000	15 950 34,400	*11 900 *25,700	10 500 22,600	*9800 *21,300	7550 16,250	*8150 *17,850	6200 13,700	8520 27'11"
1500 mm 5'0"	kg lb			*18 050 *39,000	15 100 32,500	*12 950 *28,050	10 000 21,550	*10 350 *22,450	7300 15,750	*8750 *19,250	6050 13,350	8550 28'0"
0 mm 0'0"	kg lb			*18 250 *39,500	14 800 31,850	*13 400 *29,050	9750 20,950	*10 550 *22,800	7150 15,400	9250 20,350	6250 13,700	8310 27'3"
–1500 mm –5'0"	kg lb	*16 900 *38,400	*16 900 *38,400	*17 300 *37,500	14 850 31,850	*13 050 *28,250	9650 20,800	*10 050 *21,600	7150 15,400	*9550 *21,000	6800 15,050	7770 25'5"
–3000 mm –10'0"	kg lb	*19 750 *42,850	*19 750 *42,850	*15 200 *32,850	15 050 32,350	*11 550 *24,800	9800 21,150			*9500 *20,950	8200 18,200	6870 22'4"
–4500 mm –15'0"	kg lb			*11 050 *23,350	*11 050 *23,350					*8800 *19,150	*8800 *19,150	5410 17'5"

* ISO 10567:2007

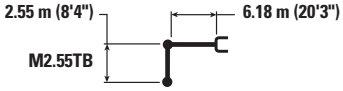
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

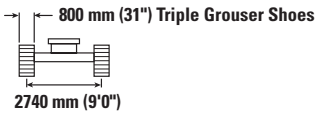
Lift capacity stays with ±5% for all available track shoes.

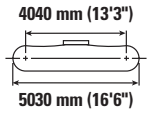
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

Mass Boom Lift Capacities – Counterweight: 7.56 mt (16,700 lb) – without Bucket

Long Wide Undercarriage







		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**					*9200 ***20,250**	*9200 ***20,250**			*8200 ***18,200**	*8200 ***18,200**	6600 **21'3"**
6000 mm **20'0"**	kg **lb**					*9500 ***20,700**	*9500 ***20,700**	*8950	8100	*7850 ***17,250**	*7850 ***17,250**	7600 **24'9"**
4500 mm **15'0"**	kg **lb**			*13 300 ***28,600**	*13 300 ***28,600**	*10 550 ***22,850**	*10 550 ***22,850**	*9250 ***20,100**	7950 **17,050**	*7850 ***17,200**	6850 **15,150**	8220 **26'10"**
3000 mm **10'0"**	kg **lb**			*16 300 ***35,000**	16 200 **34,900**	*11 900 ***25,700**	10 650 **22,900**	*9800 ***21,300**	7650 **16,500**	*8150 ***17,850**	6300 **13,900**	8520 **27'11"**
1500 mm **5'0"**	kg **lb**			*18 050 ***39,000**	15 350 **33,000**	*12 950 ***28,050**	10 150 **21,900**	*10 350 ***22,450**	7450 **16,000**	*8750 ***19,250**	6150 **13,550**	8550 **28'0"**
0 mm **0'0"**	kg **lb**			*18 250 ***39,500**	15 050 **32,350**	*13 400 ***29,050**	9900 **21,300**	*10 550 ***22,800**	7250 **15,650**	*9350 ***20,600**	6350 **13,950**	8310 **27'3"**
–1500 mm **–5'0"**	kg **lb**	*16 900 ***38,400**	*16 900 ***38,400**	*17 300 ***37,500**	15 050 **32,350**	*13 050 ***28,250**	9850 **21,150**	*10 050 ***21,600**	7250 **15,650**	*9550 ***21,000**	6950 **15,300**	7770 **25'5"**
–3000 mm **–10'0"**	kg **lb**	*19 750 ***42,850**	*19 750 ***42,850**	*15 200 ***32,850**	*15 200 ***32,850**	*11 550 ***24,800**	9950 **21,500**			*9500 ***20,950**	8350 **18,500**	6870 **22'4"**
–4500 mm **–15'0"**	kg **lb**			*11 050 ***23,350**	*11 050 ***23,350**					*8800 ***19,150**	*8800 ***19,150**	5410 **17'5"**

* **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.

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, Heavy Duty (HD) Reach Boom, HD R3.2DB (10'6") Stick, General Duty (GD) 2.5 m³ (3.27 yd³) Bucket, 600 mm (24") Triple Grouser Shoes, 7.56 mt (16,700 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/m³ (2,700 lb/yd³)	6	7	7	8	9-10	9	10	10	12	14	14	16
Limestone	1540 kg/m³ (2,600 lb/yd³)	7	8	8	9	11	10	12	11	14	16	16	19

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

Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	Long Wide Undercarriage 7.56 mt (17,000 lb) Counterweight		
									Reach HD		Mass
		mm	in	m^3	yd^3	kg	lb	%	R3.2 (10'6") HD	R3.9 (12'10") HD	M2.55 (8'4")
Pin-On (No Quick Coupler)											
General Duty	DB	1750	69	2.50	3.27	1535	3,381	100	⊖	○	
Heavy Duty	DB	1500	61	1.88	2.46	1620	3,571	100	●	◉	
	DB	1550	61	1.88	2.46	1632	3,594	100	●	◉	
	DB	1650	67	2.12	2.77	1718	3,787	100	◉	⊖	
	DB	1700	67	2.12	2.77	1726	3,801	100	◉	⊖	
	DB	1800	73	2.36	3.08	1783	3,926	100	⊖	○	
	DB	1650	65	2.41	3.15	1800	3,964	100	⊖	○	
	DB	1700	67	2.20	2.88	1794	3,951	100	◉	⊖	
	DB	1750	69	2.60	3.40	1932	4,255	100	⊖	○	
General Duty	TB	1750	69	2.60	3.40	2117	4,668	100			◉
	TB	1800	71	2.60	3.40	2282	5,025	100			◉
	TB	2050	81	3.00	3.92	2492	5,488	100			○
Heavy Duty	TB	1650	65	2.41	3.16	2332	5,140	100			◉
	TB	1750	69	2.50	3.27	2420	5,329	100			◉
	TB	1850	73	2.69	3.52	2639	5,811	100			⊖
	TB	1900	75	2.80	3.66	2548	5,612	100			⊖
Severe Duty	TB	1600	63	2.20	2.88	2390	5,268	90			●
	TB	1650	66	2.41	3.16	2470	5,444	90			◉
	TB	1750	69	2.60	3.40	2430	5,352	90			◉
	TB	1800	71	2.60	3.40	2618	5,766	90			◉
	TB	1900	75	2.80	3.66	2782	6,132	90			⊖
Severe Duty – V Edge	TB	1500	60	2.14	2.80	2218	4,891	90			●
	TB	1650	66	2.41	3.15	2367	5,218	90			●
	TB	1900	75	2.80	3.66	2601	5,728	90			⊖
Maximum load with pin-on (payload + bucket)								kg	5780	5040	6730
								lb	12,743	11,111	14,837

The above loads are in compliance with hydraulic excavator standard EN474-5:2022/AC:2022, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

Maximum Material Density:

- ● 2100 kg/m^3 (3,500 lb/yd^3)
- ◉ 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)

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.

(continued on next page)

Bucket Specifications and Compatibility *(continued)*

		Width		Capacity		Weight		Fill	Long Wide Undercarriage		
									7.56 mt (17,000 lb) Counterweight		
									Reach HD		Mass
	Linkage	mm	in	m^3	yd^3	kg	lb	%	R3.2 (10'6") HD	R3.9 (12'10") HD	M2.55 (8'4")
With Cat Pin Grabber Coupler											
General Duty	DB	1750	69	2.50	3.27	1535	3,381	100	○	◇	
Heavy Duty	DB	1500	61	1.88	2.46	1620	3,571	100	◉	⊖	
	DB	1550	61	1.88	2.46	1632	3,594	100	◉	⊖	
	DB	1650	67	2.12	2.77	1718	3,787	100	⊖	○	
	DB	1700	67	2.12	2.77	1726	3,801	100	⊖	○	
	DB	1800	73	2.36	3.08	1783	3,926	100	○	◇	
	DB	1650	65	2.41	3.15	1800	3,964	100	○	◇	
	DB	1700	67	2.20	2.88	1794	3,951	100	⊖	○	
	DB	1750	69	2.60	3.40	1932	4,255	100	○	◇	
General Duty	TB	1750	69	2.60	3.40	2117	4,668	100			○
	TB	1800	71	2.60	3.40	2282	5,025	100			○
	TB	2050	81	3.00	3.92	2492	5,488	100			◇
Heavy Duty	TB	1650	65	2.41	3.16	2332	5,140	100			○
	TB	1750	69	2.50	3.27	2420	5,329	100			○
	TB	1850	73	2.69	3.52	2639	5,811	100			◇
	TB	1900	75	2.80	3.66	2548	5,612	100			◇
Severe Duty	TB	1600	63	2.20	2.88	2390	5,268	90			⊖
	TB	1650	66	2.41	3.16	2470	5,444	90			⊖
	TB	1750	69	2.60	3.40	2430	5,352	90			○
	TB	1800	71	2.60	3.40	2618	5,766	90			○
	TB	1900	75	2.80	3.66	2782	6,132	90			⊖
Severe Duty – V Edge	TB	1500	60	2.14	2.80	2218	4,891	90			◉
	TB	1650	66	2.41	3.15	2367	5,218	90			⊖
	TB	1900	75	2.80	3.66	2601	5,728	90			○
Maximum load with coupler (payload + bucket)								kg	5082	4342	5677
								lb	11,205	9,573	12,515

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 Wide			
Counterweight		**7.56 mt (16,700 lb)**			
Boom Type		**Reach HD**			**ME**
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")**
Hydraulic Hammers	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-Side Mount	✓	✓		✓
	H180 GC S	✓	✓	✓	✓
	H180 S	✓	✓	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓
Rotary Cutters	RC30	✓	✓	✓	
	RC50				✓

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		✓
3.9 m (12'10") HD Reach stick		✓
TB family bucket linkage with lifting eye		✓
DB family bucket linkage with lifting eye		✓
CAT TECHNOLOGY		
Cat Equipment Management:		
– VisionLink™	✓[1]	
– Remote Flash	✓	
– Remote Troubleshoot	✓	
– 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 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	✓	
HYDRAULIC SYSTEM		
Boom and stick regeneration circuit	✓	
Electronic main control valve	✓	
Auto dig boost		✓
Auto heavy lift		✓
Auto hydraulic oil warmup	✓	
Bio hydraulic oil capability	✓	
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		✓

[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)

18

Standard and Optional Equipment *(continued)*

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

	Standard	Optional
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	✓	
Operator Protective Guards		✓
Inspection lighting		✓
SERVICE AND MAINTENANCE		
Integrated vehicle health management system	✓	
Grouped engine oil and fuel filters	✓	
S·O·S℠ ports	✓	
QuickEvac™ maintenance ready		✓

	Standard	Optional
UNDERCARRIAGE AND STRUCTURES		
Long wide undercarriage	✓	
Towing eye on base frame	✓	
Full-length track guiding guards		✓
Segmented two-piece track guiding guards		✓
Swivel guard	✓	
HD bottom guard	✓	
HD travel motor guards	✓	
Grease lubricated track	✓	
7.56 mt (16,700 lb) counterweight	✓	
600 mm (24") triple grouser track shoes		✓
700 mm (28") triple grouser track shoes		✓
800 mm (31") triple grouser track shoes		✓

Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

- Lower radial wiper
- Left Hand (LH)/RH electrical pedal for tool control
- Dual exit rear window
- Rain protector for front windshield and cab light cover
- Polycarbonate roof hatch

ELECTRICAL

- Premium surround working lights

GUARDS

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

SAFETY AND SECURITY

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

Cab Options

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	●
Keyless push-to-start engine control	●
Air-suspension seat	●
51 mm (2") seat belt	●
Bluetooth radio with USB/Auxiliary ports	●
24V DC outlet	●
Beverage holder	●
Openable two-piece front window	●
Rear window emergency exit	●
Radial wiper with washer	●
Openable steel hatch	●
LED dome light	●
Roller front sunscreen	●
Roller rear sunscreen	○
Washable floor mat	●

● Standard

○ Optional

340 Environmental Declaration

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

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

Engine

- The Cat® C9.3B engine meets UN ECE R96 Stage IIIA emission standards, equivalent to 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 (Global Warming Potential = 1430). The system contains 1.00 kg (2.205 lb.) of refrigerant, which has a CO_2 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) – 106 dB(A)

ISO 6396:2008 (inside cab) – 73 dB(A)

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

Oils and Fluids

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio 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.
  - Smart mode matches machine power to digging requirements automatically
  - Eco mode supports reduced fuel consumption for light applications
  - One-touch low idle with automatic engine speed control
  - Available Cat technologies help improve operator efficiency
  - 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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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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AEXQ4068-01 (12-2025)
Replaces: AEXQ4068-00
Build Number: 08D
(SE Asia)