



340

Long Reach Hydraulic Excavator

Not all configurations shown available in all regions. Consult your Cat® dealer for details.

Technical Specifications

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340 Long Reach Hydraulic Excavator Specifications

Engine

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

- Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
- Recommended for use up to 3300 m (10,830 ft) altitude with engine power derate above 2300 m (7,550 ft).
- ISO 9249 is net power available at the flywheel when the engine is equipped with fan, air cleaner, aftertreatment, and alternator with engine speed at 1,800 rpm.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- All Cat nonroad U.S. EPA Tier 4 Final, EU Stage V, Japan 2014, Korea Tier 5, India CEV Stage V, and China Nonroad Stage IV diesel engines are required to use ULSD (ultra-low sulfur diesel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels up to:
 - ✓ 20% biodiesel FAME (fatty acid methyl ester)*
 - ✓ 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

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

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

Swing Mechanism

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

Weights

Operating Weight	43 900 kg	96,700 lb
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- Heavy Duty High Wide undercarriage, LRE boom, LRE7.1B1 (23'4") stick, GD 0.93 m³ (1.22 yd³) bucket, 850 mm (33") triple grouser shoes, and 10.35 mt (22,800 lb) counterweight.

Track

Optional Track Shoes Width	850 mm	33 in
Optional Track Shoes Width	600 mm	24 in
Optional Track Shoes Width	700 mm	28 in
Number of Shoes (each side)	49	
Number of Track Rollers (each side)	8	
Number of Carrier Rollers (each side)	2	

Drive

Maximum Gradeability	35°/70%	
Maximum Travel Speed	4.7 km/h	2.9 mph
Maximum Drawbar Pull	295 kN	66,206 lbf

Hydraulic System

Main System – Maximum Flow – Implement	558 L/min (279 × 2 pumps)	147 gal/min (74 × 2 pumps)
Maximum Pressure – Equipment – Implement	35 000 kPa	5,076 psi
Maximum Pressure – Equipment – Lift Mode	38 000 kPa	5,511 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	29 400 kPa	4,264 psi
Boom Cylinder – Bore	150 mm	6 in
Boom Cylinder – Stroke	1440 mm	57 in
Stick Cylinder – Bore	170 mm	7 in
Stick Cylinder – Stroke	1738 mm	68 in
B1 Bucket Cylinder – Bore	120 mm	5 in
B1 Bucket Cylinder – Stroke	1104 mm	43 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
Diesel Exhaust Fluid (DEF) Tank	80 L	21.1 gal

Standards

Brakes	ISO 10265:2008
Cab/Falling Object Guard System (FOGS)	ISO 10262:1998
Cab/Rollover Protective Structure (ROPS)	ISO 12117-2:2008

Sound Performance

ISO 6395:2008 (external)	105 dB(A)
ISO 6396:2008 (inside cab)	73 dB(A)

- When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed according to ANSI/SAE J1166 OCT98, meets OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in a noisy environment.

Air Conditioning System

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

340 Long Reach Hydraulic Excavator Specifications

Operating Weights and Ground Pressures

	600 mm (24") HD Triple Grouser Shoes		700 mm (28") Triple Grouser Shoes		850 mm (33") Triple Grouser Shoes	
	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure
	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
Base Frame with Track Rollers and Carrier Rollers						
10.35 mt (22,800 lb) Counterweight + Heavy Duty High Wide Undercarriage Base Machine						
Long Reach Boom + LRE7.1 m B1 (23'4") Stick + 0.93 m ³ (1.22 yd ³) GD Bucket	43 300 (95,500)	80.7 (11.7)	43 000 (94,800)	68.7 (10.0)	43 900 (96,700)	57.7 (8.4)

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

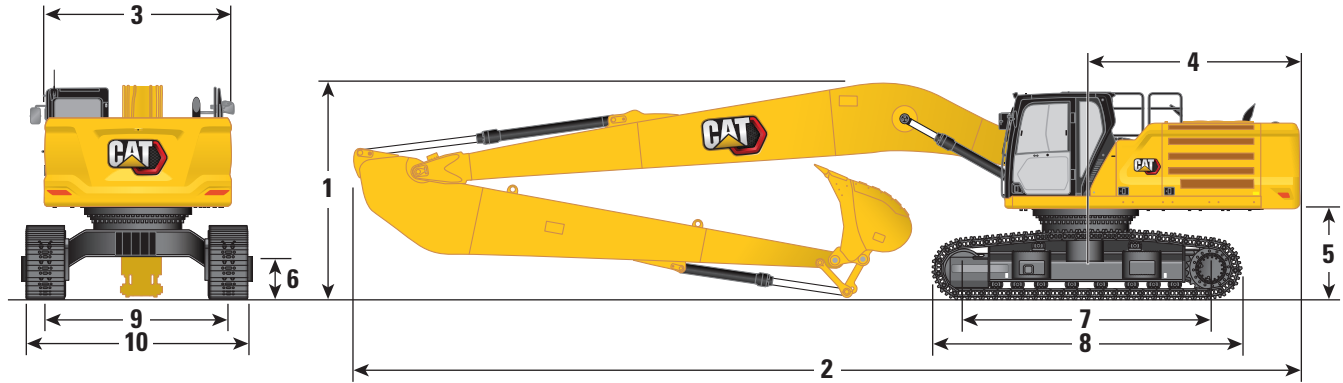
Major Component Weights

	kg	lb
Base machine with 10.35 mt (22,800 lb) counterweight, HD swing frame, two boom cylinders, and SD track rollers and carrier rollers for Heavy Duty High Wide undercarriage and carrier rollers for Long Narrow undercarriage	30 280	66,760
Track Shoes:		
600 mm (24") Width, 15.5 mm (0.61") Thick, HD Triple Grouser Track Shoes	4750	10,470
700 mm (28") Width, 11 mm (0.43") Thick, Triple Grouser Track Shoes	4450	9,800
850 mm (33") Width, 13 mm (0.51") Thick, Triple Grouser Track Shoes	5300	11,690
Two Boom Cylinders	710	1,570
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	550	1,210
Counterweight:		
10.35 mt (22,800 lb) Counterweight	10 350	22,820
Swing Frame:		
HD Swing Frame	3260	7,180
HD High Wide Undercarriage:		
Base Frame with SD Track Rollers and HD Carrier Rollers	10 280	22,660
Boom (including lines, pins, stick cylinder):		
LRE Boom 10.6 m (34'9")	4480	9,880
Stick (including lines, pins, bucket cylinder, bucket linkage):		
LRE Stick LRE7.1B1 (23'4")	2500	5,510
Bucket (without linkage):		
0.93 m ³ (1.22 yd ³) SD	750	1,650

340 Long Reach Hydraulic Excavator Specifications

Dimensions

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



Boom Option

**LRE Boom
10.6 m (34'9")**

Stick Option

**LRE Stick
LRE7.1B1 (23'4")**

1 Machine Height:

Cab Height	3400 mm	11'2"
FOGS Height	3540 mm	11'7"
Handrails Height	3390 mm	11'1"
With Boom/Stick/Bucket Installed (with auxiliary lines)	3670 mm	12'0"
With Boom/Stick Installed (with auxiliary lines)	3670 mm	12'0"
With Boom Installed (with auxiliary lines)	3340 mm	10'11"

2 Machine Length:

With Boom/Stick/Bucket Installed (with auxiliary lines)	15 310 mm	50'3"
With Boom/Stick Installed (with auxiliary lines)	15 310 mm	50'3"
With Boom Installed (with auxiliary lines)	14 180 mm	46'6"

3 Upperframe Width without Walkways

2970 mm 9'9"

4 Tail Swing Radius

3530 mm 11'7"

5 Counterweight Clearance

1470 mm 4'10"

6 Ground Clearance

720 mm 2'4"

7 Length to Center of Rollers

4040 mm 13'3"

8 Track Length

5030 mm 16'6"

9 Track Gauge

2930 mm 9'7"

10 Track Width:

600 mm (24") Shoes	3530 mm	11'7"
700 mm (28") Shoes	3630 mm	11'11"
850 mm (33") Shoes	3780 mm	12'5"

Undercarriage Width (with steps):

600 mm (24") Shoes	3670 mm	12'0"
700 mm (28") Shoes	3670 mm	12'0"
850 mm (33") Shoes	3780 mm	12'5"

Bucket Type

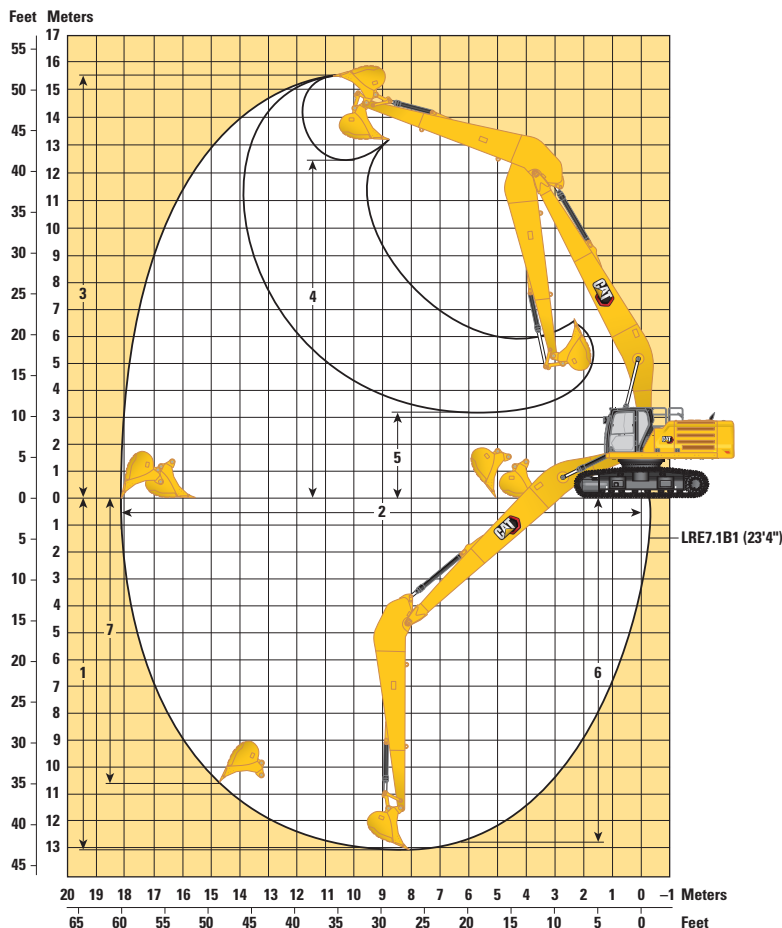
GD

Bucket Capacity	0.93 m ³	1.22 yd ³
Bucket Tip Radius	1580 mm	5.2 ft

340 Long Reach Hydraulic Excavator Specifications

Working Ranges and Forces

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



Boom Option

LRE Boom
10.6 m (34'9")

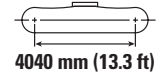
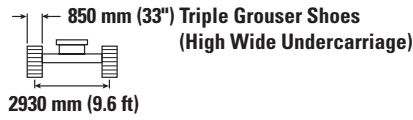
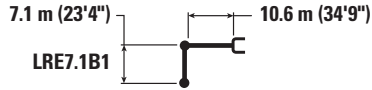
Stick Option

LRE Stick
LRE7.1B1 (23'4")

1 Maximum Digging Depth	13 050 mm	42'10"
2 Maximum Reach at Ground Line	18 080 mm	59'4"
3 Maximum Cutting Height	15 620 mm	51'3"
4 Maximum Loading Height	12 770 mm	41'11"
5 Minimum Loading Height	3210 mm	10'6"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	12 960 mm	42'6"
7 Maximum Vertical Wall Digging Depth	10 660 mm	35'0"
Bucket Digging Force (ISO)	141 kN	31,590 lbf
Stick Digging Force (ISO)	92 kN	20,750 lbf
Bucket Type	GD	
Bucket Capacity	0.93 m ³	1.22 yd ³
Bucket Tip Radius	1580 mm	5.2 ft

340 Long Reach Hydraulic Excavator Specifications

LRE Boom Lift Capacities – Counterweight: 10.35 mt (22,800 lb) – without Bucket, Heavy Lift: On



Reach (m/ft)	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		m/ft			
		kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb		
13.5 m 45.0 ft	kg lb													*2750 *6,100	*2750 *6,100	12.26 40.00	
12.0 m 40.0 ft	kg lb													*2650 *5,850	*2650 *5,850	13.50 44.17	
10.5 m 35.0 ft	kg lb													*2600 *5,750	*2600 *5,750	14.47 47.50	
9.0 m 30.0 ft	kg lb													*2600 *5,700	*2600 *5,700	15.23 50.00	
7.5 m 25.0 ft	kg lb													*2600 *5,750	*2600 *5,750	15.81 51.67	
6.0 m 20.0 ft	kg lb											*5350 *11,600	*5350 *11,600	*2700 *5,850	*2700 *5,850	16.23 53.33	
4.5 m 15.0 ft	kg lb					*12 100 *25,900	*12 100 *25,900	*8750 *18,850	*8750 *18,850	*7000 *15,050	*7000 *15,050	*5850 *12,650	*5850 *12,650	*2750 *6,050	2750 6,000	16.50 54.17	
3.0 m 10.0 ft	kg lb					*7700 *18,600	*7700 *18,600	*10 050 *21,650	*10 050 *21,650	*7750 *16,700	*7750 *16,700	*6350 *13,750	*6350 *13,750	*2900 *6,300	2600 5,750	16.64 55.00	
1.5 m 5.0 ft	kg lb					*5200 *12,050	*5200 *12,050	*11 000 *23,750	*11 000 *23,750	*8400 *18,100	*8400 *18,100	*6800 *14,700	6600 14,250	*3050 *6,700	2550 5,600	16.63 55.00	
0 m 0 ft	kg lb					*5400 *12,300	*5400 *12,300	*10 800 *24,850	*10 800 *22,550	10 450 *19,100	8850 16,900	7850 *15,400	*7150 13,350	6200 *7,200	*3250 5,500	2500 5,500	16.49 54.17
-1.5 m -5.0 ft	kg lb			*4400 *9,750	*4400 *9,750	*6400 *14,400	*6400 *14,400	*10 550 *24,150	10 100 21,700	*9050 *19,500	7500 16,100	*7350 *15,850	5900 12,700	*3550 *7,850	2550 5,550	16.21 53.33	
-3.0 m -10.0 ft	kg lb	*11,700	*11,700	*5850 *13,100	*5850 *13,100	*7700 *17,300	*7700 *17,300	*11 350 *24,550	9950 21,400	*9000 *19,450	7300 15,700	*7350 *15,900	5700 12,300	*3700 *8,200	2600 5,750	15.78 51.67	
-4.5 m -15.0 ft	kg lb	*6550 *14,600	*6550 *14,600	*7350 *16,450	*7350 *16,450	*9200 *20,700	*9200 *20,700	*10 850 *23,550	9950 21,400	*8750 *18,950	7200 15,550	*7250 *15,600	5600 12,100	*3750 *8,250	2750 6,050	15.19 50.00	
-6.0 m -20.0 ft	kg lb			*8950 *20,000	*8950 *20,000	*10 950 *24,650	*10 950 *24,650	*10 150 *21,950	10 050 21,650	*8300 *17,900	7250 15,600	*6900 *14,900	5600 12,100	*3800 *8,350	3000 6,600	14.42 47.50	
-7.5 m -25.0 ft	kg lb			*10 650 *23,900	*10 650 *23,900	*11 300 *24,350	*11 300 *24,350	*9200 *19,750	*9200 *19,750	*7600 *16,350	7400 15,900	*6400 *13,700	5700 12,300	*3800 *8,300	3350 7,450	13.43 44.17	
-9.0 m -30.0 ft	kg lb					*9450 *20,200	*9450 *20,200	*7850 *16,800	*7850 *16,800	*6600 *14,100	*6600 *14,100	*5600 *11,850	*5600 *11,850	*3700 *8,100	*3700 *8,100	12.19 40.00	
-10.5 m -35.0 ft	kg lb							*6100 *12,850	*6100 *12,850	*5250 *10,950	*5250 *10,950	*4400 *9,050	*4400 *9,050	*3450 *7,450	*3450 *7,450	10.58 34.17	



ISO 10567



* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

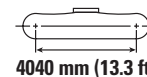
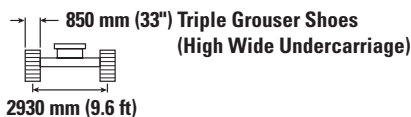
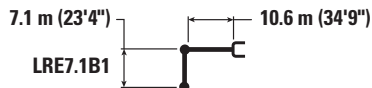
Lift capacity stays with ±5% for all available track shoes.

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

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340 Long Reach Hydraulic Excavator Specifications

LRE Boom Lift Capacities – Counterweight: 10.35 mt (22,800 lb) – without Bucket, Heavy Lift: On (continued)



		10.5 m/35.0 ft		12.0 m/40.0 ft		13.5 m/45.0 ft		15.0 m/50.0 ft		16.5 m/55.0 ft		m ft		
13.5 m 45.0 ft	kg lb			*3100	*3100							*2750 *6,100	*2750 *6,100	12.26 40.00
12.0 m 40.0 ft	kg lb			*3850 *8,400	*3850 *8,400							*2650 *5,850	*2650 *5,850	13.50 44.17
10.5 m 35.0 ft	kg lb			*3850 *8,450	*3850 *8,450	*3700 *7,600	*3700 *7,600					*2600 *5,750	*2600 *5,750	14.47 47.50
9.0 m 30.0 ft	kg lb			*3950 *8,600	*3950 *8,600	*3750 *8,150	*3750 *8,150	*2950	*2950			*2600 *5,700	*2600 *5,700	15.23 50.00
7.5 m 25.0 ft	kg lb	*4450 *9,650	*4450 *9,650	*4100 *8,950	*4100 *8,950	*3850 *8,350	*3850 *8,350	*3650 *7,600	3500 7,500			*2600 *5,750	*2600 *5,750	15.81 51.67
6.0 m 20.0 ft	kg lb	*4750 *10,300	*4750 *10,300	*4300 *9,350	*4300 *9,350	*3950 *8,600	*3950 *8,600	*3700 *8,050	3450 7,300			*2700 *5,850	*2700 *5,850	16.23 53.33
4.5 m 15.0 ft	kg lb	*5100 *11,000	*5100 *11,000	*4550 *9,850	*4550 *9,850	*4150 *8,950	4000 8,600	*3800 *8,250	3300 7,050			*2750 *6,050	2750 6,000	16.50 54.17
3.0 m 10.0 ft	kg lb	*5450 *11,750	*5450 *11,750	*4800 *10,350	4650 9,950	*4300 *9,250	3850 8,200	*3900 *8,450	3200 6,800	*3200	2650	*2900 *6,300	2600 5,750	16.64 55.00
1.5 m 5.0 ft	kg lb	*5750 *12,400	5350 11,500	*5000 *10,800	4400 9,400	*4450 *9,600	3650 7,800	*4000 *8,650	3050 6,550	*3400	2600	*3050 *6,700	2550 5,600	16.63 55.00
0 m 0 ft	kg lb	*6000 *12,950	5050 10,850	*5150 *11,150	4150 8,950	*4550 *9,800	3500 7,500	*4050 *8,750	2950 6,300			*3250 *7,200	2500 5,500	16.49 54.17
-1.5 m -5.0 ft	kg lb	*6150 *13,250	4800 10,350	*5250 *11,400	4000 8,550	*4600 *9,950	3350 7,200	*4050 *8,750	2850 6,150			*3550 *7,850	2550 5,550	16.21 53.33
-3.0 m -10.0 ft	kg lb	*6200 *13,350	4650 10,000	*5300 *11,400	3850 8,300	*4600 *9,900	3300 7,050	*4000 *8,600	2800 6,050			*3700 *8,200	2600 5,750	15.78 51.67
-4.5 m -15.0 ft	kg lb	*6100 *13,150	4550 9,800	*5200 *11,200	3800 8,200	*4500 *9,650	3250 6,950	*3850	2800			*3750 *8,250	2750 6,050	15.19 50.00
-6.0 m -20.0 ft	kg lb	*5850 *12,550	4550 9,800	*4950 *10,650	3800 8,200	*4250 *9,000	3250 7,000					*3800 *8,350	3000 6,600	14.42 47.50
-7.5 m -25.0 ft	kg lb	*5400 *11,550	4600 9,950	*4550 *9,650	3850 8,350							*3800 *8,300	3350 7,450	13.43 44.17
-9.0 m -30.0 ft	kg lb	*4700 *9,850	*4700 *9,850	*3800	*3800							*3700 *8,100	*3700 *8,100	12.19 40.00
-10.5 m -35.0 ft	kg lb	*3500	*3500									*3450 *7,450	*3450 *7,450	10.58 34.17



ISO 10567



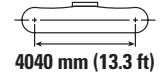
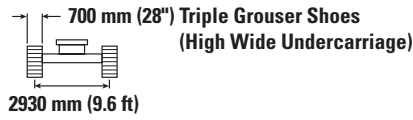
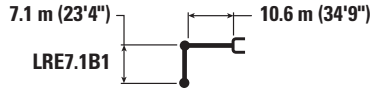
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








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

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340 Long Reach Hydraulic Excavator Specifications

LRE Boom Lift Capacities – Counterweight: 10.35 mt (22,800 lb) – without Bucket, Heavy Lift: On



		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		 m ft		
																
13.5 m 45.0 ft	kg lb													*2750 *6,100	*2750 *6,100	12.26 40.00
12.0 m 40.0 ft	kg lb													*2650 *5,850	*2650 *5,850	13.50 44.17
10.5 m 35.0 ft	kg lb													*2600 *5,750	*2600 *5,750	14.47 47.50
9.0 m 30.0 ft	kg lb													*2600 *5,700	*2600 *5,700	15.23 50.00
7.5 m 25.0 ft	kg lb													*2600 *5,750	*2600 *5,750	15.81 51.67
6.0 m 20.0 ft	kg lb											*5350 *11,600	*5350 *11,600	*2700 *5,850	*2700 *5,850	16.23 53.33
4.5 m 15.0 ft	kg lb					*12 100 *25,900	*12 100 *25,900	*8750 *18,850	*8750 *18,850	*7000 *15,050	*7000 *15,050	*5850 *12,650	*5850 *12,650	*2750 *6,050	2700 5,900	16.50 54.17
3.0 m 10.0 ft	kg lb					*7700 *18,600	*7700 *18,600	*10 050 *21,650	*10 050 *21,650	*7750 *16,700	*7750 *16,700	*6350 *13,750	*6350 *13,750	*2900 *6,300	2550 5,600	16.64 55.00
1.5 m 5.0 ft	kg lb					*5200 *12,050	*5200 *12,050	*11 000 *23,750	11 000 *23,750	*8400 *18,100	8250 17,850	*6800 *14,700	6500 14,000	*3050 *6,700	2500 5,450	16.63 55.00
0 m 0 ft	kg lb					*5400 *12,300	*5400 *12,300	*10 800 *24,850	10 250 22,100	*8850 *19,100	7700 16,600	*7150 *15,400	6100 13,100	*3250 *7,200	2450 5,400	16.49 54.17
-1.5 m -5.0 ft	kg lb			*4400 *9,750	*4400 *9,750	*6400 *14,400	*6400 *14,400	*10 550 *24,150	9900 21,300	*9050 *19,500	7350 15,800	*7350 *15,850	5800 12,450	*3550 *7,850	2500 5,450	16.21 53.33
-3.0 m -10.0 ft	kg lb	*11,700	*11,700	*5850 *13,100	*5850 *13,100	*7700 *17,300	*7700 *17,300	*11 350 *24,550	9750 20,950	*9000 *19,450	7150 15,350	*7350 *15,900	5600 12,050	*3700 *8,200	2550 5,600	15.78 51.67
-4.5 m -15.0 ft	kg lb	*6550 *14,600	*6550 *14,600	*7350 *16,450	*7350 *16,450	*9200 *20,700	*9200 *20,700	*10 850 *23,550	9750 20,950	*8750 *18,950	7050 15,200	*7250 *15,600	5500 11,850	*3750 *8,250	2700 5,900	15.19 50.00
-6.0 m -20.0 ft	kg lb			*8950 *20,000	*8950 *20,000	*10 950 *24,650	*10 950 *24,650	*10 150 *21,950	9850 21,200	*8300 *17,900	7100 15,300	*6900 *14,900	5500 11,850	*3800 *8,350	2900 6,450	14.42 47.50
-7.5 m -25.0 ft	kg lb			*10 650 *23,900	*10 650 *23,900	*11 300 *24,350	*11 300 *24,350	*9200 *19,750	*9200 *19,750	*7600 *16,350	7250 15,600	*6400 *13,700	5600 12,050	*3800 *8,300	3300 7,300	13.43 44.17
-9.0 m -30.0 ft	kg lb					*9450 *20,200	*9450 *20,200	*7850 *16,800	*7850 *16,800	*6600 *14,100	*6600 *14,100	*5600 *11,850	*5600 *11,850	*3700 *8,100	*3700 *8,100	12.19 40.00
-10.5 m -35.0 ft	kg lb							*6100 *12,850	*6100 *12,850	*5250 *10,950	*5250 *10,950	*4400 *9,050	*4400 *9,050	*3450 *7,450	*3450 *7,450	10.58 34.17



ISO 10567



* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

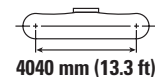
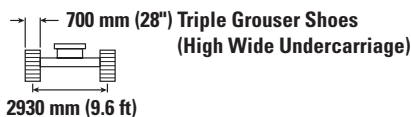
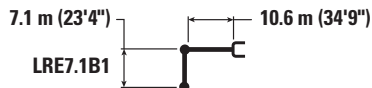
Lift capacity stays with ±5% for all available track shoes.

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

(continued on next page)

340 Long Reach Hydraulic Excavator Specifications

LRE Boom Lift Capacities – Counterweight: 10.35 mt (22,800 lb) – without Bucket, Heavy Lift: On (continued)



		10.5 m/35.0 ft		12.0 m/40.0 ft		13.5 m/45.0 ft		15.0 m/50.0 ft		16.5 m/55.0 ft		m ft		
13.5 m 45.0 ft	kg lb			*3100	*3100							*2750 *6,100	*2750 *6,100	12.26 40.00
12.0 m 40.0 ft	kg lb			*3850 *8,400	*3850 *8,400							*2650 *5,850	*2650 *5,850	13.50 44.17
10.5 m 35.0 ft	kg lb			*3850 *8,450	*3850 *8,450	*3700 *7,600	*3700 *7,600					*2600 *5,750	*2600 *5,750	14.47 47.50
9.0 m 30.0 ft	kg lb			*3950 *8,600	*3950 *8,600	*3750 *8,150	*3750 *8,150	*2950	*2950			*2600 *5,700	*2600 *5,700	15.23 50.00
7.5 m 25.0 ft	kg lb	*4450 *9,650	*4450 *9,650	*4100 *8,950	*4100 *8,950	*3850 *8,350	*3850 *8,350	*3650 *7,600	3450 7,350			*2600 *5,750	*2600 *5,750	15.81 51.67
6.0 m 20.0 ft	kg lb	*4750 *10,300	*4750 *10,300	*4300 *9,350	*4300 *9,350	*3950 *8,600	*3950 *8,600	*3700 *8,050	3350 7,150			*2700 *5,850	*2700 *5,850	16.23 53.33
4.5 m 15.0 ft	kg lb	*5100 *11,000	*5100 *11,000	*4550 *9,850	*4550 *9,850	*4150 *8,950	3950 8,450	*3800 *8,250	3250 6,900			*2750 *6,050	2700 5,900	16.50 54.17
3.0 m 10.0 ft	kg lb	*5450 *11,750	*5450 *11,750	*4800 *10,350	4550 9,750	*4300 *9,250	3750 8,050	*3900 *8,450	3100 6,650	*3200	2600	*2900 *6,300	2550 5,600	16.64 55.00
1.5 m 5.0 ft	kg lb	*5750 *12,400	5250 11,250	*5000 *10,800	4300 9,250	*4450 *9,600	3550 7,650	*4000 *8,650	3000 6,400	*3400	2500	*3050 *6,700	2500 5,450	16.63 55.00
0 m 0 ft	kg lb	*6000 *12,950	4950 10,600	*5150 *11,150	4100 8,750	*4550 *9,800	3400 7,300	*4050 *8,750	2900 6,150			*3250 *7,200	2450 5,400	16.49 54.17
-1.5 m -5.0 ft	kg lb	*6150 *13,250	4700 10,100	*5250 *11,400	3900 8,400	*4600 *9,950	3300 7,050	*4050 *8,750	2800 6,000			*3550 *7,850	2500 5,450	16.21 53.33
-3.0 m -10.0 ft	kg lb	*6200 *13,350	4550 9,800	*5300 *11,400	3800 8,150	*4600 *9,900	3200 6,850	*4000 *8,600	2750 5,900			*3700 *8,200	2550 5,600	15.78 51.67
-4.5 m -15.0 ft	kg lb	*6100 *13,150	4450 9,600	*5200 *11,200	3700 8,000	*4500 *9,650	3150 6,800	*3850	2750			*3750 *8,250	2700 5,900	15.19 50.00
-6.0 m -20.0 ft	kg lb	*5850 *12,550	4450 9,600	*4950 *10,650	3700 8,000	*4250 *9,000	3150 6,850					*3800 *8,350	2900 6,450	14.42 47.50
-7.5 m -25.0 ft	kg lb	*5400 *11,550	4500 9,750	*4550 *9,650	3800 8,150							*3800 *8,300	3300 7,300	13.43 44.17
-9.0 m -30.0 ft	kg lb	*4700 *9,850	*4650 *9,850	*3800	*3800							*3700 *8,100	*3700 *8,100	12.19 40.00
-10.5 m -35.0 ft	kg lb	*3500	*3500									*3450 *7,450	*3450 *7,450	10.58 34.17



ISO 10567



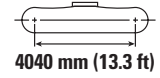
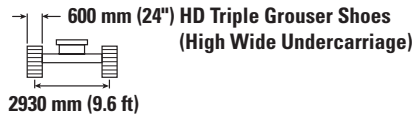
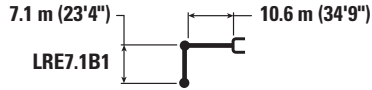
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

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

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

340 Long Reach Hydraulic Excavator Specifications

LRE Boom Lift Capacities – Counterweight: 10.35 mt (22,800 lb) – without Bucket, Heavy Lift: On



Reach (m/ft)	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		m/ft		
		kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	
13.5 m 45.0 ft	kg lb													*2750 *6,100	*2750 *6,100	12.26 40.00
12.0 m 40.0 ft	kg lb													*2650 *5,850	*2650 *5,850	13.50 44.17
10.5 m 35.0 ft	kg lb													*2600 *5,750	*2600 *5,750	14.47 47.50
9.0 m 30.0 ft	kg lb													*2600 *5,700	*2600 *5,700	15.23 50.00
7.5 m 25.0 ft	kg lb													*2600 *5,750	*2600 *5,750	15.81 51.67
6.0 m 20.0 ft	kg lb											*5350 *11,600	*5350 *11,600	*2700 *5,850	*2700 *5,850	16.23 53.33
4.5 m 15.0 ft	kg lb					*12 100 *25,900	*12 100 *25,900	*8750 *18,850	*8750 *18,850	*7000 *15,050	*7000 *15,050	*5850 *12,650	*5850 *12,650	*2750 *6,050	2700 5,950	16.50 54.17
3.0 m 10.0 ft	kg lb					*7700 *18,600	*7700 *18,600	*10 050 *21,650	*10 050 *21,650	*7750 *16,700	*7750 *16,700	*6350 *13,750	*6350 *13,750	*2900 *6,300	2600 5,650	16.64 55.00
1.5 m 5.0 ft	kg lb					*5200 *12,050	*5200 *12,050	*11 000 *23,750	*11 000 *23,750	*8400 *18,100	8350 17,950	*6800 *14,700	6550 14,100	*3050 *6,700	2500 5,500	16.63 55.00
0 m 0 ft	kg lb					*5400 *12,300	*5400 *12,300	*10 800 *24,850	10 350 22,300	*8850 *19,100	7750 16,750	*7150 *15,400	6150 13,200	*3250 *7,200	2500 5,450	16.49 54.17
-1.5 m -5.0 ft	kg lb			*4400 *9,750	*4400 *9,750	*6400 *14,400	*6400 *14,400	*10 550 *24,150	9950 21,450	*9050 *19,500	7400 15,950	*7350 *15,850	5850 12,550	*3550 *7,850	2500 5,500	16.21 53.33
-3.0 m -10.0 ft	kg lb	*11,700	*11,700	*5850 *13,100	*5850 *13,100	*7700 *17,300	*7700 *17,300	*11 350 *24,550	9800 21,150	*9000 *19,450	7200 15,500	*7350 *15,900	5650 12,150	*3700 *8,200	2600 5,650	15.78 51.67
-4.5 m -15.0 ft	kg lb	*6550 *14,600	*6550 *14,600	*7350 *16,450	*7350 *16,450	*9200 *20,700	*9200 *20,700	*10 850 *23,550	9800 21,150	*8750 *18,950	7150 15,350	*7250 *15,600	5550 11,950	*3750 *8,250	2700 6,000	15.19 50.00
-6.0 m -20.0 ft	kg lb			*8950 *20,000	*8950 *20,000	*11 300 *24,650	*10 950 *24,650	*10 150 *21,950	9950 21,400	*8300 *17,900	7150 15,450	*6900 *14,900	5550 11,950	*3800 *8,350	2950 6,500	14.42 47.50
-7.5 m -25.0 ft	kg lb			*10 650 *23,900	*10 650 *23,900	*11 300 *24,350	*11 300 *24,350	*9200 *19,750	*9200 *19,750	*7600 *16,350	7300 15,700	*6400 *13,700	5650 12,150	*3800 *8,300	3300 7,350	13.43 44.17
-9.0 m -30.0 ft	kg lb					*9450 *20,200	*9450 *20,200	*7850 *16,800	*7850 *16,800	*6600 *14,100	*6600 *14,100	*5600 *11,850	*5600 *11,850	*3700 *8,100	*3700 *8,100	12.19 40.00
-10.5 m -35.0 ft	kg lb							*6100 *12,850	*6100 *12,850	*5250 *10,950	*5250 *10,950	*4400 *9,050	*4400 *9,050	*3450 *7,450	*3450 *7,450	10.58 34.17



ISO 10567



* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

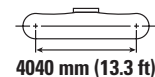
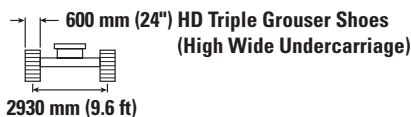
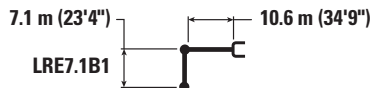
Lift capacity stays with ±5% for all available track shoes.

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

(continued on next page)

340 Long Reach Hydraulic Excavator Specifications

LRE Boom Lift Capacities – Counterweight: 10.35 mt (22,800 lb) – without Bucket, Heavy Lift: On (continued)



		10.5 m/35.0 ft		12.0 m/40.0 ft		13.5 m/45.0 ft		15.0 m/50.0 ft		16.5 m/55.0 ft		m ft		
13.5 m 45.0 ft	kg lb			*3100	*3100							*2750 *6,100	*2750 *6,100	12.26 40.00
12.0 m 40.0 ft	kg lb			*3850 *8,400	*3850 *8,400							*2650 *5,850	*2650 *5,850	13.50 44.17
10.5 m 35.0 ft	kg lb			*3850 *8,450	*3850 *8,450	*3700 *7,600	*3700 *7,600					*2600 *5,750	*2600 *5,750	14.47 47.50
9.0 m 30.0 ft	kg lb			*3950 *8,600	*3950 *8,600	*3750 *8,150	*3750 *8,150	*2950	*2950			*2600 *5,700	*2600 *5,700	15.23 50.00
7.5 m 25.0 ft	kg lb	*4450 *9,650	*4450 *9,650	*4100 *8,950	*4100 *8,950	*3850 *8,350	*3850 *8,350	*3650 *7,600	3500 7,400			*2600 *5,750	*2600 *5,750	15.81 51.67
6.0 m 20.0 ft	kg lb	*4750 *10,300	*4750 *10,300	*4300 *9,350	*4300 *9,350	*3950 *8,600	*3950 *8,600	*3700 *8,050	3400 7,200			*2700 *5,850	*2700 *5,850	16.23 53.33
4.5 m 15.0 ft	kg lb	*5100 *11,000	*5100 *11,000	*4550 *9,850	*4550 *9,850	*4150 *8,950	3950 8,500	*3800 *8,250	3250 6,950			*2750 *6,050	2700 5,950	16.50 54.17
3.0 m 10.0 ft	kg lb	*5450 *11,750	*5450 *11,750	*4800 *10,350	4600 9,850	*4300 *9,250	3800 8,100	*3900 *8,450	3150 6,700	*3200	2600	*2900 *6,300	2600 5,650	16.64 55.00
1.5 m 5.0 ft	kg lb	*5750 *12,400	5300 11,350	*5000 *10,800	4350 9,300	*4450 *9,600	3600 7,700	*4000 *8,650	3000 6,450	*3400	2550	*3050 *6,700	2500 5,500	16.63 55.00
0 m 0 ft	kg lb	*6000 *12,950	5000 10,700	*5150 *11,150	4100 8,850	*4550 *9,800	3450 7,400	*4050 *8,750	2900 6,200			*3250 *7,200	2500 5,450	16.49 54.17
-1.5 m -5.0 ft	kg lb	*6150 *13,250	4750 10,200	*5250 *11,400	3950 8,450	*4600 *9,950	3300 7,100	*4050 *8,750	2850 6,050			*3550 *7,850	2500 5,500	16.21 53.33
-3.0 m -10.0 ft	kg lb	*6200 *13,350	4600 9,850	*5300 *11,400	3800 8,200	*4600 *9,900	3250 6,950	*4000 *8,600	2750 5,950			*3700 *8,200	2600 5,650	15.78 51.67
-4.5 m -15.0 ft	kg lb	*6100 *13,150	4500 9,700	*5200 *11,200	3750 8,050	*4500 *9,650	3200 6,850	*3850	2750			*3750 *8,250	2700 6,000	15.19 50.00
-6.0 m -20.0 ft	kg lb	*5850 *12,550	4500 9,650	*4950 *10,650	3750 8,050	*4250 *9,000	3200 6,900					*3800 *8,350	2950 6,500	14.42 47.50
-7.5 m -25.0 ft	kg lb	*5400 *11,550	4550 9,800	*4550 *9,650	3800 8,200							*3800 *8,300	3300 7,350	13.43 44.17
-9.0 m -30.0 ft	kg lb	*4700 *9,850	*4700 *9,850	*3800	*3800							*3700 *8,100	*3700 *8,100	12.19 40.00
-10.5 m -35.0 ft	kg lb	*3500	*3500									*3450 *7,450	*3450 *7,450	10.58 34.17



ISO 10567



* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

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

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

340 Long Reach Hydraulic Excavator Specifications

Bucket Specifications and Compatibility – Europe

	Linkage	Width		Capacity		Weight		Fill	LRE
		mm	in	m ³	yd ³	kg	lb	%	
Pin-On (No Quick Coupler)									
General Duty	B	600	24	0.46	0.61	555	1,223	100	●
	B	750	30	0.64	0.84	626	1,380	100	●
	B	1050	42	1.00	1.31	737	1,624	100	○
Heavy Duty	B	1050	42	1.00	1.31	855	1,885	100	○
	B	1200	48	1.19	1.56	985	2,171	100	
	B	1350	54	1.38	1.80	1069	2,357	100	
Ditch Cleaning	B	1800	71	0.86	1.12	590	1,301	100	⊙
	B	2100	83	1.06	1.39	657	1,447	100	⊖
Ditch Cleaning – Tilt	B	2000	79	1.23	1.61	1096	2,416	100	◇
Maximum load with pin-on (payload + bucket)								kg	2185
								lb	4,817
With Cat Pin Grabber Coupler									
General Duty	B	600	24	0.46	0.61	555	1,223	100	●
	B	750	30	0.64	0.84	626	1,380	100	⊙
	B	1050	42	1.00	1.31	737	1,624	100	◇
Heavy Duty	B	1050	42	1.00	1.31	855	1,885	100	○
	B	1200	48	1.19	1.56	985	2,171	100	
	B	1350	54	1.38	1.80	1069	2,357	100	
Ditch Cleaning	B	1800	71	0.86	1.12	590	1,301	100	○
	B	2100	83	1.06	1.39	657	1,447	100	◇
Ditch Cleaning – Tilt	B	2000	79	1.23	1.61	1096	2,416	100	X
Maximum load with coupler (payload + bucket)								kg	1763
								lb	3,888

Maximum Material Density:

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

The above loads are in compliance with hydraulic excavator standard EN474-5:2006 + A3:2013, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

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)

340 Long Reach Hydraulic Excavator Specifications

Bucket Specifications and Compatibility – Europe (continued)

	Linkage	Width		Capacity		Weight		Fill	LRE
		mm	in	m ³	yd ³	kg	lb	%	
With CW-40 Quick Coupler									
General Duty	B CW40	900	35	0.81	1.06	664	1,463	100	⊖
General Duty LE	B CW40	650	26	0.70	0.92	567	1,249	100	⊙
	B CW40	800	31	0.68	0.89	614	1,353	100	⊙
	B CW40	1000	39	0.92	1.21	719	1,586	100	○
Ditch Cleaning	B CW40	2100	83	1.29	1.69	792	1,746	100	◇
	B CW40	1800	72	1.50	1.96	827	1,823	100	X
Ditch Cleaning – Tilt	B CW40	2000	79	1.23	1.61	1161	2,560	100	X
Maximum load with coupler (payload + bucket)								kg	1935
								lb	4,266
With CW-40S Quick Coupler									
General Duty	B	750	30	0.64	0.84	592	1,450	100	●
	B	900	36	0.81	1.06	661	1,444	100	●
Ditch Cleaning	B	2000	78	1.22	1.60	715	1,576	100	◇
	B	2200	87	1.36	1.78	769	1,695	100	◇
Ditch Cleaning – Tilt	B	2000	79	1.23	1.61	1142	2,518	100	X
Maximum load with coupler (payload + bucket)								kg	1954
								lb	4,308

The above loads are in compliance with hydraulic excavator standard EN474-5:2006 + A3:2013, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

Maximum Material Density:

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

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

340 Long Reach Hydraulic Excavator Specifications

Bucket Specifications and Compatibility – North America

	Linkage	Width		Capacity		Weight		Fill	LRE
		mm	in	m ³	yd ³	kg	lb	%	
Pin-On (No Quick Coupler)									
General Duty Capacity	B	600	24	0.55	0.72	620	1,366	100	●
	B	750	30	0.75	0.98	717	1,580	100	◎
	B	900	36	0.95	1.24	793	1,747	100	⊖
	B	600	24	0.55	0.72	617	1,360	100	●
	B	750	30	0.75	0.98	715	1,576	100	◎
	B	900	36	0.95	1.24	791	1,743	100	⊖
Heavy Duty	B	600	24	0.46	0.60	647	1,426	100	●
	B	750	30	0.64	0.84	752	1,658	100	●
	B	900	36	0.81	1.06	835	1,841	100	⊖
	B	1050	42	1.00	1.31	892	1,967	100	○
	B	1200	48	1.19	1.56	985	2,171	100	◇
	B	1350	54	1.38	1.80	1069	2,357	100	X
Ditch Cleaning	B	1500	60	1.01	1.32	651	1,436	100	⊖
Ditch Cleaning – Tilt	B	1800	72	0.90	1.18	1105	2,436	100	○
	B	2000	79	1.23	1.61	1161	2,560	100	◇
								kg	2185
Maximum load with pin-on (payload + bucket)								lb	4,817
With Cat Pin Grabber Coupler									
General Duty Capacity	B	600	24	0.55	0.72	620	1,366	100	●
	B	750	30	0.75	0.98	717	1,580	100	○
	B	900	36	0.95	1.24	793	1,747	100	◇
	B	600	24	0.55	0.72	617	1,360	100	●
	B	750	30	0.75	0.98	715	1,576	100	○
	B	900	36	0.95	1.24	791	1,743	100	◇
Heavy Duty	B	600	24	0.46	0.61	647	1,426	100	●
	B	750	30	0.64	0.84	752	1,658	100	●
	B	900	36	0.81	1.06	835	1,841	100	⊖
	B	1050	42	1.00	1.31	892	1,967	100	○
	B	1200	48	1.19	1.56	985	2,171	100	X
	B	1350	54	1.38	1.80	1069	2,357	100	X
Ditch Cleaning	B	1500	60	1.01	1.32	651	1,436	100	◇
Ditch Cleaning – Tilt	B	1800	72	0.90	1.18	1105	2,436	100	X
	B	2000	79	1.23	1.61	1161	2,560	100	X
								kg	1763
Maximum load with coupler (payload + bucket)								lb	3,888

Maximum Material Density:

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

The above loads are in compliance with hydraulic excavator standard EN474-5:2006 + A3:2013, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

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(continued on next page)

340 Long Reach Hydraulic Excavator Specifications

Bucket Specifications and Compatibility – North America (continued)

	Linkage	Width		Capacity		Weight		Fill	LRE
		mm	in	m ³	yd ³	kg	lb	%	
With CW-40 Quick Coupler									
General Duty	B CW40	900	35	0.81	1.06	664	1,463	100	⊖
General Duty LE	B CW40	650	26	0.70	0.92	567	1,249	100	⊙
	B CW40	800	31	0.68	0.89	614	1,353	100	⊙
	B CW40	1000	39	0.92	1.21	719	1,586	100	○
Ditch Cleaning	B CW40	2100	83	1.29	1.69	792	1,746	100	◇
	B CW40	1800	72	1.50	1.96	827	1,823	100	X
Ditch Cleaning – Tilt	B CW40	2000	79	1.23	1.61	1161	2,560	100	X
Maximum load with coupler (payload + bucket)								kg	1935
								lb	4,266

The above loads are in compliance with hydraulic excavator standard EN474-5:2006 + A3:2013, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

Maximum Material Density:

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

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340 Long Reach Hydraulic Excavator Specifications

Attachments Offering Guide – Europe

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

Match

PIN-ON ATTACHMENTS

Undercarriage		HD High Wide
Counterweight		10.35 mt (22,800 lb)
Boom Type		LRE
Stick Length		LRE
Demolition and Sorting Grapples	G318	✓
	G318 WH-800	✓

Attachments Offering Guide – North America

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

Match

* Working range front only

PIN-ON ATTACHMENTS

Undercarriage		HD High Wide
Counterweight		10.35 mt (22,800 lb)
Boom Type		LRE
Stick Length		LRE
Demolition and Sorting Grapples	G318	✓
	G318 WH-800	✓
Mulchers	HM4015	✓
	HM4815	✓

CAT PIN GRABBER COUPLER ATTACHMENTS

Undercarriage		HD High Wide
Counterweight		10.35 mt (22,800 lb)
Boom Type		LRE
Stick Length		LRE
Mulchers	HM4015	✓*
	HM4815	✓

340 Long Reach Standard and Optional Equipment

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
BOOMS, STICKS AND LINKAGES			SAFETY AND SECURITY		
10.6 m (34'9") LRE boom	✓		Caterpillar One Key security system	✓	
7.1 m (23'4") LRE stick	✓		Lockable external tool/storage box	✓	
Bucket linkage, B1 family with lifting eye, Cat Grade		✓	Lockable door, fuel, and hydraulic tank locks	✓	
ELECTRICAL SYSTEM			Lockable fuel drain compartment	✓	
Maintenance-free 1,000 CCA batteries	✓		Service platform with anti-skid plate and recessed bolts	✓	
Centralized electrical disconnect switch	✓		RH handrail and handhold	✓	
LED chassis light	✓		Standard visibility mirror package	✓	
1,800 lumen LED premium surround lights	✓		Signaling/warning horn	✓	
ENGINE			Travel alarm*	✓	
Cold start block heater		✓	Swing alarm		✓
Three selectable modes: Power, Smart, Eco	✓		Ground-level secondary engine shutoff switch	✓	
Automatic engine speed control	✓		Boom lowering check valve – Europe standard; North America optional	✓	✓
Up to 3300 m (10,830 ft) altitude capability	✓		Stick lowering check valve – Europe standard; North America optional	✓	✓
52° C (126° F) high-ambient cooling	✓		Rear and right-hand-sideview cameras	✓	
Hydraulic reversing fan		✓	360° visibility		✓
–18° C (0° F) cold start capability	✓		Cat Command remote control		✓
–32° C (–25° F) cold start capability		✓	SERVICE AND MAINTENANCE		
Double element air filter with integrated pre-cleaner	✓		Integrated vehicle health management system		✓
HYDRAULIC SYSTEM			Grouped location for engine oil and fuel filters	✓	
SmartBoom™ – Europe only	✓		Scheduled Oil Sampling (S·O·S SM) sampling ports	✓	
Boom and stick regeneration circuit	✓		QuickEvac™ maintenance ready		✓
Electronic main control valve	✓		Electric refueling pump with auto shutoff – Europe only		✓
Heavy lift mode	✓				
Automatic hydraulic oil warmup	✓				
Reverse swing damping valve	✓				
Automatic swing parking brake	✓				
High performance hydraulic return filter	✓				
Two speed travel	✓				
Bio hydraulic oil capability	✓				
Combined two-way auxiliary circuit with direct return filter		✓			
Medium-pressure auxiliary circuit		✓			
Cooling circuit		✓			
Quick coupler circuit for Cat Pin Grabber and CW Dedicated		✓			

*Optional in Europe

(continued on next page)

340 Long Reach Standard and Optional Equipment

Standard and Optional Equipment *(continued)*

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

	Standard	Optional		Standard	Optional
TECHNOLOGY			UNDERCARRIAGE AND STRUCTURES		
Cat Product Link™	✓		HD High Wide undercarriage	✓	
Work tool recognition	✓		Towing eye on base frame	✓	
Work tool tracking**	✓		Full-length track guiding guards		✓
Laser catcher		✓	Segmented two-piece track guiding guards		✓
Cat Grade with 2D and offset memory	✓		Swivel guard		✓
Cat Grade with Advanced 2D		✓	Bottom guard	✓	
Cat Grade with 3D single GNSS		✓	Travel motor guard	✓	
Cat Grade with 3D dual GNSS		✓	Grease lubricated track	✓	
Cat Grade with 3D connectivity:		✓	HD swing frame	✓	
– Capability with radios and base stations from Trimble, Topcon, and Leica			10.35 mt (22,800 lb) counterweight	✓	
– Capability to install 3D grade systems from Trimble, Topcon, and Leica			600 mm (24") HD triple grouser track shoes		✓
Cat Assist:	✓		700 mm (28") triple grouser track shoes		✓
– Grade Assist			850 mm (33") triple grouser track shoes		✓
– Boom Assist					
– Bucket Assist					
– Swing Assist					
– Lift Assist					
Cat Payload:	✓				
– Static weigh					
– Semiautomatic calibration					
– Payload/cycle information					
– USB reporting capability					
2D E-Fence:	✓				
– E-ceiling					
– E-floor					
– E-swing					
– E-wall					
– E-cab avoidance					
Remote Services capability	✓				

**Paired with PL161 attachment locator

340 Long Reach Cab Options

	Deluxe	Premium
Sound suppressed cab	●	●
Two-piece front windshield 70/30, tempered	●	○
One-piece front windshield, tempered	X	○
High-resolution 254 mm (10") LCD touchscreen monitor	●	●
Additional high-resolution LCD touchscreen monitor for Cat Grade Advanced 2D and 3D	○	○
Automatic bi-level air conditioner	●	●
Jog dial and shortcut keys for monitor control	●	●
Keyless push-to-start engine control	●	●
Height-adjustable console	●	●
Heated seat with air-adjustable suspension	●	X
Heated and cooled seat with automatic adjustable suspension	X	●
Tilt-up left-side console	●	●
Cat Stick Steer	●	●
51 mm (2") orange seat belt	●	●
Bluetooth® integrated radio (including USB, aux port and microphone)	●	●
2 × 12V DC outlets	●	●
Document storage	●	●
Rear head storage net and lunchbox storage net	●	●
Cup and bottle holders	●	●
Upper radial wiper 70/30 with washer	●	X
Parallel wiper with 70/30 with washer	X	○
Parallel wiper one-piece with washer	X	○
Polycarbonate skylight hatch, openable windshield	●	○
Fixed glass hatch, one-piece windshield	X	○
LED cab lights, 1,800 lumens	●	●
LED dome light	●	●
Roller front sunscreen	●	●
Roller rear sunscreen	○	●
Rear window emergency exit	●	●
Washable floor mat	●	●
Beacon ready	●	●
Auxiliary relay	●	●

- Standard
- Optional
- X Not available

340 Long Reach Dealer Installed Kits and Attachments

Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

- Lower radial wiper
- Joysticks with horizontal sliders
- LH/RH electrical pedal for tool control
- Side rubber bumpers
- Falling object guard system
- Vandalism guard
- Full mesh net guard
- Lower mesh net guard
- Rain protector for front windshield and cab light cover
- Bluetooth key fob

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

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

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

Air Conditioning System

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

Paint

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

Sound Performance

ISO 6395:2008 (external) – 105 dB(A)

ISO 6396:2008 (inside cab) – 73 dB(A)

- When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed according to ANSI/SAE J1166 OCT98, meets OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in a noisy environment.

Oils and Fluids

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

Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
 - Smart mode matches machine power to digging requirements automatically
 - Eco mode minimizes fuel consumption for light applications
 - One-touch low idle with automatic engine speed control
 - Available Cat technologies improve operator efficiency by up to 45%
 - Cut costs with extended maintenance intervals

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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AEXQ3346-01 (11-2022)
Replaces AEXQ3346
Build Number: 07E
(Europe, North America)

