



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	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 U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
- Recommended for use up to 4500 m (14,760 ft) altitude with engine power derate above 3000 m (9,840 ft).
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.
- Engine speed at 1,900 rpm
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to:
 - ✓ 20% biodiesel FAME (fatty acid methyl ester) ***
 - ✓ 100% renewable diesel, HVO (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.

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

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

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

Weights

Operating Weight	43 800 kg	96,500 lb
• Heavy Duty High Wide undercarriage, LRE boom, LRE7.1B1 (23'4") stick, General Duty (GD) 0.95 m ³ (1.24 yd ³) 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	700 mm	28 in
Optional Track Shoes Width	600 mm	24 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	298 kN	67,000 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
B1 Bucket Cylinder – Bore	120 mm	5 in
B1 Bucket Cylinder – Stroke	1104 mm	43 in

Swing Mechanism

Swing Speed*	8.84 rpm	
Swing Torque (Dynamic)	113 kN·m	83,344 lbf·ft
Swing Torque	143 kN·m	105,471 lbf·ft

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

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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/Operator Protective Guards (OPG) (optional)	ISO 10262:1998
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 labeled spectator sound power level represents the Guaranteed Value per 2000/14/EC amended by 2005/88/EC, when properly equipped, and is measured according to the test procedures and conditions specified in ISO 6395:2008. The measurements were conducted at 70% of the maximum engine cooling fan speed.	
• Internal Sound – The operator sound pressure level is measured according to the test procedures and conditions specified in ISO 6396:2008 for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed. The measurements were conducted at 70% of the maximum engine cooling fan speed.	
• Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors/windows open) for extended periods or in noisy environment(s).	

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas.
 - If equipped with R134a (Global Warming Potential = 1430), the system contains 1.000 kg (2.205 lb.) of refrigerant, which has a CO₂ equivalent of 1.430 metric tonnes (1.576 tons).
 - If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 0.790 kg (1.742 lb.) of refrigerant, which has a CO₂ equivalent of 0.001 metric tonnes (0.001 tons).

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Operating Weights and Ground Pressures

850 mm (33") Triple Grouser Shoes		700 mm (28") Triple Grouser Shoes		600 mm (24") HD Triple Grouser Shoes		600 mm (24") Double Grouser Shoes	
Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure
kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)

Base Frame with Severe Duty (SD) 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 + 0.95 m ³ (1.24 yd ³) General Duty (GD) Bucket	43 800 (96,500)	57.5 (8.3)	42 900 (94,600)	68.5 (9.9)	43 200 (95,300)	80.5 (11.7)	43 300 (95,500)	80.7 (11.7)
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All operating weights include a 90% fuel tank with 75 kg (165 lb) operator.

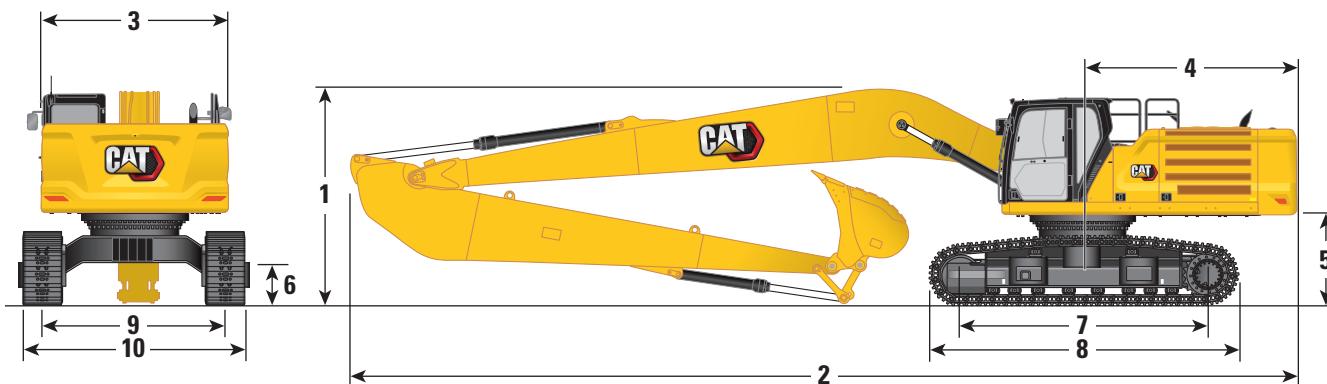
Major Component Weights

	kg	lb
Base machine with 10.35 mt (22,800 lb) counterweight, Heavy Duty (HD) swing frame, two boom cylinders, and SD track rollers and carrier rollers for Heavy Duty High Wide undercarriage.	30 100	66,360
Track Shoes:		
850 mm (33") Width, 13 mm (0.51") Thick, Triple Grouser Track Shoes	5300	11,690
700 mm (28") Width, 11 mm (0.43") Thick, Triple Grouser Track Shoes	4450	9,800
600 mm (24") Width, 15.5 mm (0.61") Thick, HD Triple Grouser Track Shoes	4750	10,470
600 mm (24") Width, 15.5 mm (0.61") Thick, Double Grouser Track Shoes	4850	10,700
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	3280	7,220
HD High Wide Undercarriage:		
Base Frame with SD Track Rollers and HD Carrier Rollers	10 160	22,400
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):		
0.95 m ³ (1.24 yd ³) GD	830	1,820

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"
OPG Height	3540 mm	11'7"
Handrail 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

4 Tail Swing Radius	3530 mm	11'7"
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5 Counterweight Clearance

6 Ground Clearance	1470 mm	4'10"
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7 Length to Center of Rollers

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

10 Track Width:	5030 mm	16'6"
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850 mm (33") Shoes	2930 mm	9'7"
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700 mm (28") Shoes	3780 mm	12'5"
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600 mm (24") Shoes	3630 mm	11'11"
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Undercarriage Width (with steps):

850 mm (33") Shoes	3530 mm	11'7"
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700 mm (28") Shoes	3670 mm	12'0"
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600 mm (24") Shoes	3670 mm	12'0"
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Bucket Type

GD

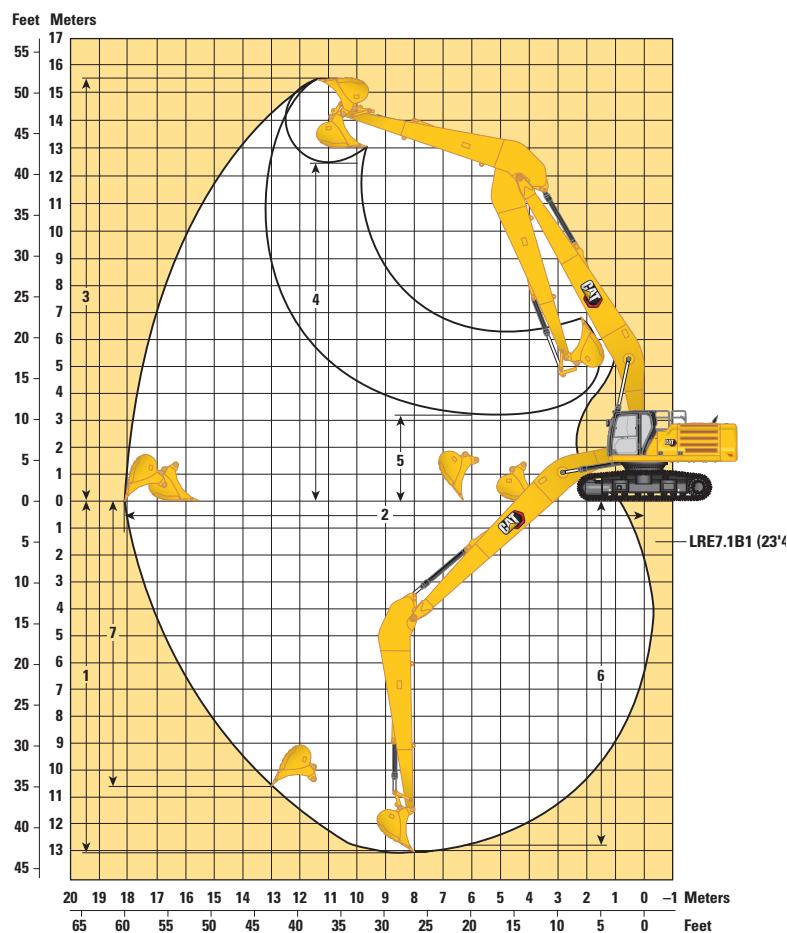
Bucket Capacity	0.95 m ³	1.24 yd ³
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Bucket Tip Radius	1563 mm	5'2"
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Working Ranges and Forces

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



Boom Option

LRE Boom
10.6 m (34'9")

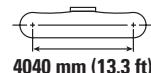
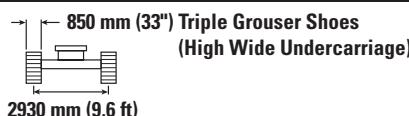
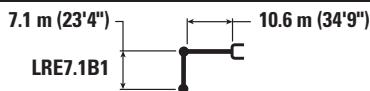
Stick Option

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 Digging Force (ISO) – Auto Dig Boost	153 kN	34,290 lbf
Stick Digging Force (ISO) – Auto Dig Boost	100 kN	22,530 lbf
Bucket Type	GD	
Bucket Capacity	0.95 m ³	1.24 yd ³
Bucket Tip Radius	1563 mm	5'2"

340 Long Reach Hydraulic Excavator Specifications

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



		1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		9000 mm/30'0"		mm ft/inch	
13 500 mm 45'0"	kg lb													*2750 *6,100	12 260 39'06"
12 000 mm 40'0"	kg lb													*2650 *5,850	13 500 43'09"
10 500 mm 35'0"	kg lb													*2600 *5,750	14 470 47'01"
9000 mm 30'0"	kg lb													*2600 *5,700	15 230 49'08"
7500 mm 25'0"	kg lb													*2600 *5,750	15 810 51'08"
6000 mm 20'0"	kg lb													*5350 *11,600	*5350 *11,600
4500 mm 15'0"	kg lb													*2750 *12,650	2750 6,050
3000 mm 10'0"	kg lb													*2900 *13,750	2600 6,300
1500 mm 5'0"	kg lb													*3050 *14,700	2550 6,700
0 mm 0"	kg lb													*3250 *13,400	2550 5,550
-1500 mm -5'0"	kg lb													*3550 *12,750	2550 5,600
-3000 mm -10'0"	kg lb													*3700 *12,350	2600 5,750
-4500 mm -15'0"	kg lb													*3750 *12,150	2750 6,100
-6000 mm -20'0"	kg lb													*3800 *12,150	3000 6,600
-7500 mm -25'0"	kg lb													*3800 *12,300	3350 7,450
-9000 mm -30'0"	kg lb													*3700 *11,850	3350 8,100
-10 500 mm -35'0"	kg lb													*3450 *9,050	3450 7,450



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.

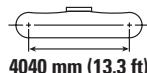
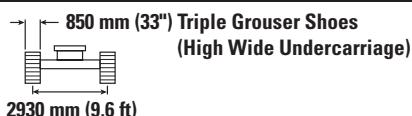
Lift capacity stays with $\pm 5\%$ for all available track shoes.

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)



		10 500 mm/35'0"		12 000 mm/40'0"		13 500 mm/45'0"		15 000 mm/50'0"		16 500 mm/55'0"					
13 500 mm 45'0"	kg lb			*3100	*3100							*2750 *6,100	*2750 *6,100	12 260 39'06"	
12 000 mm 40'0"	kg lb			*3850 *8,400	*3850 *8,400							*2650 *5,850	*2650 *5,850	13 500 43'09"	
10 500 mm 35'0"	kg lb			*3850 *8,450	*3850 *8,450	*3700 *7,600	*3700 *7,600					*2600 *5,750	*2600 *5,750	14 470 47'01"	
9000 mm 30'0"	kg lb			*3950 *8,600	*3950 *8,600	*3750 *8,150	*3750 *8,150	*2950	*2950			*2600 *5,700	*2600 *5,700	15 230 49'08"	
7500 mm 25'0"	kg lb	*4450 *9,650	*4450 *9,650	*4100 *8,950	*4100 *8,950	*3850 *8,350	*3850 *8,350	*3650 *7,600	*3650 *7,500			*2600 *5,750	*2600 *5,750	15 810 51'08"	
6000 mm 20'0"	kg lb	*4750 *10,300	*4750 *10,300	*4300 *9,350	*4300 *9,350	*3950 *8,600	*3950 *8,600	*3700 *8,050	*3700 *7,300			*2700 *5,850	*2700 *5,850	16 230 53'01"	
4500 mm 15'0"	kg lb	*5100 *11,000	*5100 *11,000	*4550 *9,850	*4550 *9,850	*4150 *8,950	*4150 *8,950	4000 *8,250	*3800 *7,100	3300 *6,800		*2750 *6,050	2750 *6,050	16 500 54'01"	
3000 mm 10'0"	kg lb	*5450 *11,750	*5450 *11,750	*4800 *10,350	*4800 *10,350	4650 10,000	*4300 *9,250	3850 8,200	*3900 *8,450	3200 6,800	*3200	2650	*2900 *6,300	2600 *5,750	16 640 54'06"
1500 mm 5'0"	kg lb	*5750 *12,400	5350 11,500	*5000 *10,800	4400 9,450	*4450 *9,600	3650 7,850	*4000 *8,650	3050 6,550		*3400	2600	*3050 *6,700	2550 5,600	16 630 54'06"
0 mm 0"	kg lb	*6000 *12,950	5050 10,850	*5150 *11,150	4200 8,950	*4550 *9,800	3500 7,500	*4050 *8,750	2950 6,350				*3250 *7,200	2550 5,550	16 490 54'01"
-1500 mm -5'0"	kg lb	*6150 *13,250	4800 10,350	*5250 *11,400	4000 8,600	*4600 *9,950	3400 7,250	*4050 *8,750	2900 6,150				*3550 *7,850	2550 5,600	16 210 53'01"
-3000 mm -10'0"	kg lb	*6200 *13,350	4650 10,000	*5300 *11,400	3900 8,350	*4600 *9,900	3300 7,050	*4000 *8,600	2800 6,050				*3700 *8,200	2600 5,750	15 780 51'08"
-4500 mm -15'0"	kg lb	*6100 *13,150	4600 9,850	*5200 *11,200	3800 8,200	*4500 *9,650	3250 6,950	*3850	2800				*3750 *8,250	2750 6,100	15 190 49'08"
-6000 mm -20'0"	kg lb	*5850 *12,550	4550 9,850	*4950 *10,650	3800 8,200	*4250 *9,000	3250 7,000						*3800 *8,350	3000 6,600	14 420 47'01"
-7500 mm -25'0"	kg lb	*5400 *11,550	4650 10,000	*4550 *9,650	3850 8,350								*3800 *8,300	3350 7,450	13 430 43'09"
-9000 mm -30'0"	kg lb	*4700 *9,850	4700 9,850	*3800	*3800								*3700 *8,100	*3700 *8,100	12 190 39'06"
-10 500 mm -35'0"	kg lb	*3500	*3500										*3450 *7,450	*3450 *7,450	10 580 34'00"



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 $\pm 5\%$ 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 (continued)

7.1 m (23'4")
LRE7.1B1

10.6 m (34'9")
700 mm (28") Triple Grouser Shoes
(High Wide Undercarriage)
2930 mm (9.6 ft)

4040 mm (13.3 ft)

		1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		9000 mm/30'0"				
13 500 mm 45'0"	kg lb														*2750 *6,100	12 260 39'06"
12 000 mm 40'0"	kg lb														*2650 *5,850	13 500 43'09"
10 500 mm 35'0"	kg lb														*2600 *5,750	14 470 47'01"
9000 mm 30'0"	kg lb														*2600 *5,700	15 230 49'08"
7500 mm 25'0"	kg lb														*2600 *5,750	15 810 51'08"
6000 mm 20'0"	kg lb														*5350 *11,600	*5350 *11,600
4500 mm 15'0"	kg lb														*2750 *12,650	2700 5,900
3000 10'0"	kg lb														*2900 *13,750	2550 5,600
1500 5'0"	kg lb														*3050 *14,700	2500 6,700
0 0	kg lb														*3250 *13,100	2450 5,400
-1500 mm -5'0"	kg lb														*3550 *12,450	2500 5,450
-3000 mm -10'0"	kg lb														*3700 *12,050	2550 5,600
-4500 mm -15'0"	kg lb														*3750 *11,850	2700 5,950
-6000 mm -20'0"	kg lb														*3800 *11,850	2900 6,450
-7500 mm -25'0"	kg lb														*3800 *12,050	3300 7,300
-9000 mm -30'0"	kg lb														*3700 *11,850	3200 8,100
-10 500 mm -35'0"	kg lb														*3450 *9,050	3450 7,450



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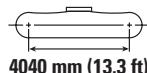
Lift capacity stays with $\pm 5\%$ for all available track shoes.

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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 (continued)



		10 500 mm/35'0"		12 000 mm/40'0"		13 500 mm/45'0"		15 000 mm/50'0"		16 500 mm/55'0"					
13 500 mm 45'0"	kg lb			*3100	*3100							*2750 *6,100	*2750 *6,100	12 260 39'06"	
12 000 mm 40'0"	kg lb			*3850 *8,400	*3850 *8,400							*2650 *5,850	*2650 *5,850	13 500 43'09"	
10 500 mm 35'0"	kg lb			*3850 *8,450	*3850 *8,450	*3700 *7,600	*3700 *7,600					*2600 *5,750	*2600 *5,750	14 470 47'01"	
9000 mm 30'0"	kg lb			*3950 *8,600	*3950 *8,600	*3750 *8,150	*3750 *8,150	*2950	*2950			*2600 *5,700	*2600 *5,700	15 230 49'08"	
7500 mm 25'0"	kg lb	*4450 *9,650	*4450 *9,650	*4100 *8,950	*4100 *8,950	*3850 *8,350	*3850 *8,350	*3650 *7,600	*3650 *7,350	3450		*2600 *5,750	*2600 *5,750	15 810 51'08"	
6000 mm 20'0"	kg lb	*4750 *10,300	*4750 *10,300	*4300 *9,350	*4300 *9,350	*3950 *8,600	*3950 *8,600	*3700 *8,050	*3700 *7,150	3350		*2700 *5,850	*2700 *5,850	16 230 53'01"	
4500 mm 15'0"	kg lb	*5100 *11,000	*5100 *11,000	*4550 *9,850	*4550 *9,850	*4150 *8,450	*4150 *8,450	*3800 *8,250	*3800 *6,900	3250		*2750 *6,050	*2700 *5,900	16 500 54'01"	
3000 mm 10'0"	kg lb	*5450 *11,750	*5450 *11,750	*4800 *10,350	*4800 *10,350	4550 9,750	4300 9,250	3750 8,050	3750 8,450	3100 6,650	*3200	2600	*2900 *6,300	2550 5,600	16 640 54'06"
1500 mm 5'0"	kg lb	*5750 *12,400	5250 11,250	*5000 *10,800	4300 9,250	*4450 9,600	3550 7,650	*4000 8,650	3550 6,400	3000	*3400	2500	*3050 *6,700	2500 5,450	16 630 54'06"
0 mm 0"	kg lb	*6000 *12,950	4950 10,600	*5150 *11,150	4100 8,750	*4550 *9,800	3400 7,300	*4050 8,750	3400 6,150	2900			*3250 *7,200	2450 5,400	16 490 54'01"
-1500 mm -5'0"	kg lb	*6150 *13,250	4700 10,100	*5250 *11,400	3900 8,400	*4600 *9,950	3300 7,050	*4050 8,750	3300 6,000	2800			*3550 *7,850	2500 5,450	16 210 53'01"
-3000 mm -10'0"	kg lb	*6200 *13,350	4550 9,800	*5300 *11,400	3800 8,150	*4600 *9,900	3200 6,850	*4000 *8,600	3200 5,900	2750			*3700 *8,200	2550 5,600	15 780 51'08"
-4500 mm -15'0"	kg lb	*6100 *13,150	4450 9,600	*5200 *11,200	3700 8,000	*4500 *9,650	3150 6,800	*3850 *8,000	3150 6,750	2750			*3750 *8,250	2700 5,950	15 190 49'08"
-6000 mm -20'0"	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	14 420 47'01"
-7500 mm -25'0"	kg lb	*5400 *11,550	4500 9,750	*4550 *9,650	3800 8,150								*3800 *8,300	3300 7,300	13 430 43'09"
-9000 mm -30'0"	kg lb	*4700 *9,850	4650 9,850	*3800	*3800								*3700 *8,100	*3700 *8,100	12 190 39'06"
-10 500 mm -35'0"	kg lb	*3500	*3500										*3450 *7,450	*3450 *7,450	10 580 34'00"



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 $\pm 5\%$ 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 (continued)

7.1 m (23'4")
LRE7.1B1

10.6 m (34'9")
600 mm (24") HD Triple Grouser Shoes
(High Wide Undercarriage)
2930 mm (9.6 ft)

4040 mm (13.3 ft)

		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/inch	
13 500 mm 45'0"	kg lb													*2750 *6,100	12 260 39'06"
12 000 mm 40'0"	kg lb													*2650 *5,850	13 500 43'09"
10 500 mm 35'0"	kg lb													*2600 *5,750	14 470 47'01"
9000 mm 30'0"	kg lb													*2600 *5,700	15 230 49'08"
7500 mm 25'0"	kg lb													*2600 *5,750	15 810 51'08"
6000 mm 20'0"	kg lb													*5350 *11,600	*5350 *11,600
4500 mm 15'0"	kg lb													*2750 *12,650	2700 5,950
3000 mm 10'0"	kg lb													*2900 *13,750	2600 5,650
1500 mm 5'0"	kg lb													*3050 *14,700	2500 5,500
0 mm 0"	kg lb													*3250 *13,200	2500 5,450
-1500 mm -5'0"	kg lb													*3550 *12,550	2500 5,500
-3000 mm -10'0"	kg lb													*3700 *12,150	2600 5,650
-4500 mm -15'0"	kg lb													*3750 *11,950	2700 6,000
-6000 mm -20'0"	kg lb													*3800 *11,950	2950 6,500
-7500 mm -25'0"	kg lb													*3800 *12,150	3300 7,350
-9000 mm -30'0"	kg lb													*3700 *11,850	12 190 39'06"
-10 500 mm -35'0"	kg lb													*3450 *9,050	10 580 34'00"



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.

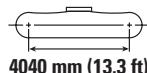
Lift capacity stays with $\pm 5\%$ for all available track shoes.

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)



		10 500 mm/35'0"		12 000 mm/40'0"		13 500 mm/45'0"		15 000 mm/50'0"		16 500 mm/55'0"					
13 500 mm 45'0"	kg lb			*3100	*3100							*2750 *6,100	*2750 *6,100	12 260 39'06"	
12 000 mm 40'0"	kg lb			*3850 *8,400	*3850 *8,400							*2650 *5,850	*2650 *5,850	13 500 43'09"	
10 500 mm 35'0"	kg lb			*3850 *8,450	*3850 *8,450	*3700 *7,600	*3700 *7,600					*2600 *5,750	*2600 *5,750	14 470 47'01"	
9000 mm 30'0"	kg lb			*3950 *8,600	*3950 *8,600	*3750 *8,150	*3750 *8,150	*2950	*2950			*2600 *5,700	*2600 *5,700	15 230 49'08"	
7500 mm 25'0"	kg lb	*4450 *9,650	*4450 *9,650	*4100 *8,950	*4100 *8,950	*3850 *8,350	*3850 *8,350	*3650 *7,600	*3650 *7,400	3500		*2600 *5,750	*2600 *5,750	15 810 51'08"	
6000 mm 20'0"	kg lb	*4750 *10,300	*4750 *10,300	*4300 *9,350	*4300 *9,350	*3950 *8,600	*3950 *8,600	*3700 *8,050	*3700 *7,200	3400		*2700 *5,850	*2700 *5,850	16 230 53'01"	
4500 mm 15'0"	kg lb	*5100 *11,000	*5100 *11,000	*4550 *9,850	*4550 *9,850	*4150 *8,950	*4150 *8,950	*3800 *8,250	*3800 *6,950	3250		*2750 *6,050	*2700 *6,050	16 500 54'01"	
3000 mm 10'0"	kg lb	*5450 *11,750	*5450 *11,750	*4800 *10,350	*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	16 640 54'06"
1500 mm 5'0"	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	2850	*3400	2550	*3050 *6,700	2500 *5,500	16 630 54'06"
0 mm 0"	kg lb	*6000 *12,950	5000 10,700	*5150 *11,150	4100 8,850	*4550 *9,800	3450 7,400	*4050 *8,750	2900 6,250	2850			*3250 *7,200	2500 *5,450	16 490 54'01"
-1500 mm -5'0"	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	2850			*3550 *7,850	2500 *5,500	16 210 53'01"
-3000 mm -10'0"	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	2750			*3700 *8,200	2600 *5,650	15 780 51'08"
-4500 mm -15'0"	kg lb	*6100 *13,150	4500 9,700	*5200 *11,200	3750 8,050	*4500 *9,650	3200 6,850	*3850 *8,500	2750	2750			*3750 *8,250	2700 *6,000	15 190 49'08"
-6000 mm -20'0"	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	14 420 47'01"
-7500 mm -25'0"	kg lb	*5400 *11,550	4550 9,800	*4550 *9,650	3800 8,200								*3800 *8,300	3300 *7,350	13 430 43'09"
-9000 mm -30'0"	kg lb	*4700 *9,850	4700 9,850	*3800	*3800								*3700 *8,100	*3700 *8,100	12 190 39'06"
-10 500 mm -35'0"	kg lb	*3500	*3500										*3450 *7,450	*3450 *7,450	10 580 34'00"



ISO 10567:2007



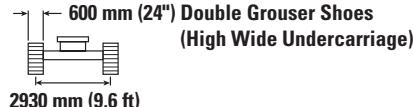
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories 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 $\pm 5\%$ 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 (continued)



		1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		9000 mm/30'0"				
13 500 mm 45'0"	kg lb														*2750 *6,100	12 260 39'06"
12 000 mm 40'0"	kg lb														*2650 *5,850	13 500 43'09"
10 500 mm 35'0"	kg lb														*2600 *5,750	14 470 47'01"
9000 mm 30'0"	kg lb														*2600 *5,700	15 230 49'08"
7500 mm 25'0"	kg lb														*2600 *5,750	15 810 51'08"
6000 mm 20'0"	kg lb														*5350 *11,600	*5350 *11,600
4500 mm 15'0"	kg lb														*2750 *12,650	2700 5,950
3000 10'0"	kg lb														*2900 *13,750	2600 5,700
1500 5'0"	kg lb														*3050 *14,700	2500 5,500
0 0	kg lb														*3250 *13,250	2500 5,450
-1500 mm -5'0"	kg lb														*3550 *12,600	2500 5,500
-3000 mm -10'0"	kg lb														*3700 *12,200	2600 5,700
-4500 mm -15'0"	kg lb														*3750 *12,000	2750 6,000
-6000 mm -20'0"	kg lb														*3800 *12,000	2950 6,550
-7500 mm -25'0"	kg lb														*3800 *12,150	3300 7,350
-9000 mm -30'0"	kg lb														*3700 *11,850	12 190 39'06"
-10 500 mm -35'0"	kg lb														*3450 *9,050	10 580 34'00"



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.

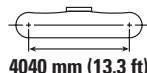
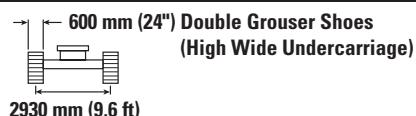
Lift capacity stays with $\pm 5\%$ for all available track shoes.

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)



		10 500 mm/35'0"		12 000 mm/40'0"		13 500 mm/45'0"		15 000 mm/50'0"		16 500 mm/55'0"					
													mm ft/inch		
13 500 mm 45'0"	kg lb			*3100	*3100							*2750 *6,100	12 260 39'06"		
12 000 mm 40'0"	kg lb			*3850 *8,400	*3850 *8,400							*2650 *5,850	13 500 43'09"		
10 500 mm 35'0"	kg lb			*3850 *8,450	*3850 *8,450	*3700 *7,600	*3700 *7,600					*2600 *5,750	14 470 47'01"		
9000 mm 30'0"	kg lb			*3950 *8,600	*3950 *8,600	*3750 *8,150	*3750 *8,150	*2950	*2950			*2600 *5,700	15 230 49'08"		
7500 mm 25'0"	kg lb	*4450 *9,650	*4450 *9,650	*4100 *8,950	*4100 *8,950	*3850 *8,350	*3850 *8,350	*3650 *7,600	*3650 *7,450			*2600 *5,750	15 810 51'08"		
6000 mm 20'0"	kg lb	*4750 *10,300	*4750 *10,300	*4300 *9,350	*4300 *9,350	*3950 *8,600	*3950 *8,600	*3700 *8,050	*3700 *7,250			*2700 *5,850	16 230 53'01"		
4500 mm 15'0"	kg lb	*5100 *11,000	*5100 *11,000	*4550 *9,850	*4550 *9,850	*4150 *8,950	*4150 *8,950	4000 *8,250	*3800 *7,000	3300 *6,750		*2750 *6,050	16 500 5,950		
3000 mm 10'0"	kg lb	*5450 *11,750	*5450 *11,750	*4800 *10,350	*4800 *9,850	4600 *9,250	4600 *9,250	3800 *8,100	3800 *8,450	3150 *6,750	*3200	2650 *6,300	16 640 5,700		
1500 mm 5'0"	kg lb	*5750 *12,400	5300 *11,400	*5000 *10,800	*5000 *10,800	4350 *9,600	4350 *9,600	3600 *7,750	3600 *8,650	3050 *6,450	*3400	2550 *6,700	16 630 5,500		
0 mm 0'	kg lb	*6000 *12,950	5000 *10,750	*5150 *11,150	*5150 *11,150	4150 *8,850	4150 *8,850	*4550 *9,800	*4550 *7,400	3450 *8,750	*4050 *6,250	2900 *6,250	*3250 *7,200	2500 5,450	
-1500 mm -5'0"	kg lb	*6150 *13,250	4750 *10,250	*5250 *11,400	*5250 *11,400	3950 *8,500	3950 *8,500	*4600 *9,950	*4600 *7,150	3350 *7,150	*4050 *8,750	2850 *6,050	*3550 *7,850	2500 5,500	
-3000 mm -10'0"	kg lb	*6200 *13,350	4600 *9,900	*5300 *11,400	*5300 *11,400	3850 *8,250	3850 *8,250	*4600 *9,900	*4600 *6,950	3250 *6,950	*4000 *8,600	2800 *5,950	*3700 *8,200	2600 5,700	
-4500 mm -15'0"	kg lb	*6100 *13,150	4500 *9,700	*5200 *11,200	*5200 *11,200	3750 *8,100	3750 *8,100	*4500 *9,650	*4500 *6,900	3200 *6,900	*3850 *6,900	2750		*3750 *8,250	2750 6,000
-6000 mm -20'0"	kg lb	*5850 *12,550	4500 *9,700	*4950 *10,650	*4950 *10,650	3750 *8,100	3750 *8,100	*4250 *9,000	*4250 *6,900	3200				*3800 *8,350	2950 6,550
-7500 mm -25'0"	kg lb	*5400 *11,550	4550 *9,850	*4550 *9,850	*4550 *9,850	3800 *8,250								*3800 *8,300	3300 7,350
-9000 mm -30'0"	kg lb	*4700 *9,850	4700 *9,850	*3800 *9,850	*3800 *9,850									*3700 *8,100	3700 8,100
-10 500 mm -35'0"	kg lb	*3500	*3500											*3450 *7,450	*3450 *7,450



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 $\pm 5\%$ 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	○
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	2196
								lb	4,841
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	◇
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	1774
								lb	3,912

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 EN474-5:2022/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.

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	1946
								lb	4,290
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	1965
								lb	4,332

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.

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.

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

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	1.11	1.61	1161	2,560	100	◇
Maximum load with pin-on (payload + bucket)								kg	2196
								lb	4,841
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	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	1.11	1.61	1161	2,560	100	X
Maximum load with coupler (payload + bucket)								kg	1774
								lb	3,912

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 EN474-5:2022/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.

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

Attachments Offering Guide – Europe

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

Match

* Working range front only

1800 kg/m³ (3,000 lb/yd³)

1200 kg/m³ (2,000 lb/yd³)

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	✓
Orange Peel Grapples	GSH420-500	●
	GSH420-600	●
	GSH420-750	●
	GSH520-500	●
	GSH520-600	●
	GSH520-750	○
	GSV420-400	●
	GSV420-500	●
	GSV420-600	●
	GSV420-750	●
	GSV520-400	●
	GSV520-500	●
	GSV520-600	●
	GSV520-750	●
Clamshell Grapples	CTV15	○

S70 DEDICATED COUPLER ATTACHMENTS

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

340 Long Reach Hydraulic Excavator Specifications

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

1800 kg/m³ (3,000 lb/yd³)

1200 kg/m³ (2,000 lb/yd³)

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	✓
Orange Peel Grapples	GSH420-500	●
	GSH420-600	●
	GSH420-750	●
	GSH520-500	●
	GSH520-600	●
	GSH520-750	○

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	✓

S70 DEDICATED COUPLER ATTACHMENTS

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

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	✓		Cat Command (remote control)	✓
7.1 m (23'4") LRE stick	✓		2D E-Fence:	
Bucket linkage, B1 family with lifting eye, Cat Grade	✓		– E-ceiling	✓
			– E-floor	
			– E-swing	
			– E-wall	
			– E-cab avoidance	
ELECTRICAL SYSTEM			Auto hammer stop	✓
Maintenance-free 1,000 CCA batteries	✓		Caterpillar One Key security system	✓
Centralized electrical disconnect switch	✓		Lockable external tool/storage box	✓
LED chassis light	✓		Lockable door, fuel, and hydraulic tank locks	✓
1,800 lumen LED premium surround lights	✓		Lockable fuel drain compartment	✓
ENGINE			Service platform with anti-skid plate and recessed bolts	✓
Cold start block heater	✓		Right Hand (RH) handrail and handhold	✓
Three selectable modes: Power, Smart, Eco	✓		Standard visibility mirror package	✓
Automatic engine speed control	✓		Signaling/warning horn	✓
Up to 3300 m (10,830 ft) altitude capability	✓		Travel alarm	✓
52° C (126° F) high-ambient cooling	✓		Swing alarm	✓
Hydraulic reversing fan	✓		Ground-level secondary engine shutoff switch	✓
-18° C (0° F) cold start capability	✓		Lockable disconnect switch	✓
-32° C (-25° F) cold start capability	✓		Boom lowering check valve	✓
Double element air filter with integrated pre-cleaner	✓		Stick lowering check valve – Europe standard; North America optional	✓
HYDRAULIC SYSTEM			Rear and right-hand-sideview cameras	✓
SmartBoom™ – Europe only (not compatible with E-fence, Cat grade control, and Cat Production Measurement [CPM])	✓		360° visibility	✓
Boom and stick regeneration circuit	✓		SERVICE AND MAINTENANCE	
Electronic main control valve	✓		Integrated vehicle health management system	✓
Heavy lift mode	✓		Grouped location for engine oil and fuel filters	✓
Automatic hydraulic oil warmup	✓		S·O·S SM ports	✓
Reverse swing damping valve	✓		QuickEvac™ maintenance ready	✓
Automatic swing parking brake	✓		Electric refueling pump with auto shutoff – Europe only	✓
High performance hydraulic return filter	✓			
Two speed travel	✓			
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	✓			

(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
CAT TECHNOLOGY				
Cat Equipment Management:				
– VisionLink™	✓ ¹			
– Remote Flash	✓			
– Remote Troubleshoot	✓			
– Work tool recognition and tracking (PL161)	✓			
Cat Grade:				
– Cat Grade with 2D	✓			
– Cat Grade with 2D with Attachment Ready Option (ARO)		✓		
– Laser catcher	✓			
– Cat Grade with 3D (single or dual Global Navigation Satellite System [GNSS])		✓		
– Compatible with 3D grade systems from Trimble, Topcon, and Leica	✓			
– Cat Grade 3D Ready		✓		
– Cat Grade Connectivity		✓ ²		
Cat Assist:				
– Grade Assist	✓			
– Boom Assist	✓			
– Bucket Assist	✓			
– Swing Assist	✓			
– Lift Assist	✓			
Cat Payload:				
– On-the-go weighing	✓			
– Semiautomatic calibration	✓			
– Payload/cycle information	✓			
– VisionLink back office reporting		✓ ²		
Cat Advanced Payload:				
– Daily totals	✓			
– Custom lists	✓			
– Smart weight target	✓			
– E-ticket Integration		✓ ²		

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

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

340 Long Reach Cab Options

Cab Options

	Deluxe	Premium*
Sound suppressed cab	●	●
Operator Protective Guards (OPG)	○	○
Two-piece front windshield 70/30, tempered	●	○
One-piece front windshield, tempered	X	○
High-resolution 254 mm (10") LCD touchscreen monitor	●	●
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, auxiliary 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

* Europe only

Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

- Lower radial wiper
- Rain protector for front windshield and cab light cover
- Slider, sun visor
- 70/30 front windshield with laminated upper P5A glass
- Dual exit rear window kit
- Seat with 4 point seat belt capability
- 76 mm (3") retractable seat belt
- Seat belt indicator
- Armrest kit

GUARDS

- Operator Protective Guards (not compatible with cab light cover, rain protector)
- Full mesh net guard
- Lower mesh net guard
- Side rubber bumper guard
- Vandalism guard

MAINTENANCE AND IMPROVEMENT

- Joysticks with horizontal sliders
- Delayed engine shutdown kit

SAFETY AND SECURITY

- Remote control kit
- Bluetooth key fob

PERFORMANCE AND PRODUCTIVITY

- Left-hand (two-way) electrically controlled pedal for tool control system
- Right-hand (two-way) electrically controlled pedal for tool control system
- Submarine kit
- Power clam kit

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) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to:
 - ✓ 20% biodiesel FAME (fatty acid methyl ester) ***
 - ✓ 100% renewable diesel, HVO (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.

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

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

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

Oils and Fluids

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

Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
 - Smart mode matches machine power to digging requirements automatically
 - Eco mode helps minimize fuel consumption for light applications
 - One-touch low idle with automatic engine speed control
 - Increase operating efficiency with standard Cat technologies that help lower operator fatigue and operating costs.
 - Extended service intervals help decrease maintenance costs

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas.
 - If equipped with R134a (Global Warming Potential = 1430), the system contains 1.000 kg (2.205 lb.) of refrigerant, which has a CO₂ equivalent of 1.430 metric tonnes (1.576 tons).
 - If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 0.790 kg (1.742 lb.) of refrigerant, which has a CO₂ equivalent of 0.001 metric tonnes (0.001 tons).

Paint

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

Sound Performance

ISO 6395:2008 (external) – 106 dB(A)

ISO 6396:2008 (inside cab) – 73 dB(A)

- External Sound – The labeled spectator sound power level represents the Guaranteed Value per 2000/14/EC amended by 2005/88/EC, when properly equipped, and is measured according to the test procedures and conditions specified in ISO 6395:2008. 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).

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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(Europe, N Am)

