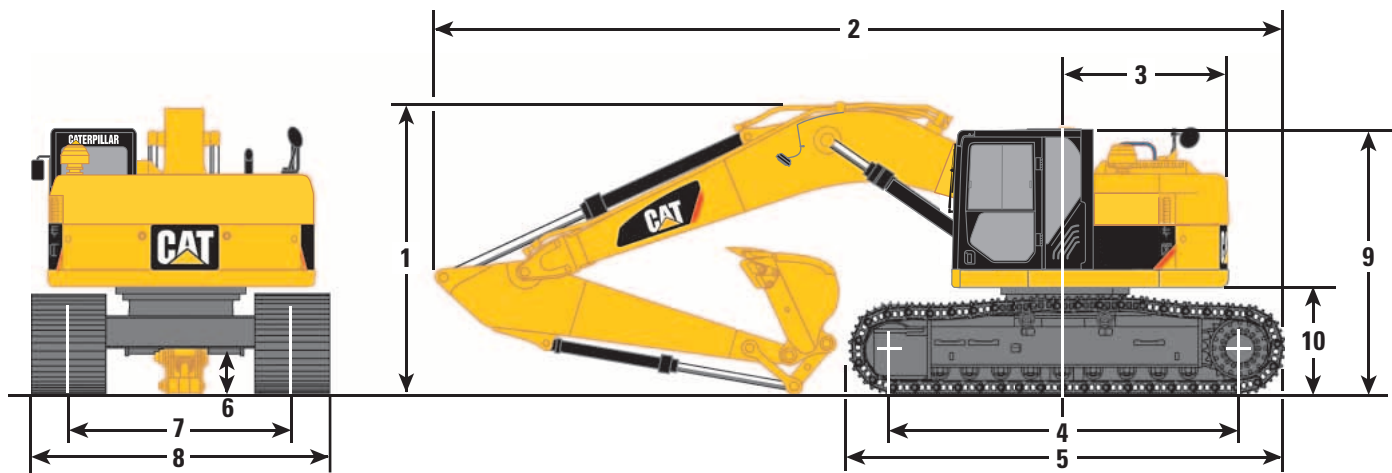


328D LCR Hydraulic Excavator

Dimensions

All dimensions are approximate.

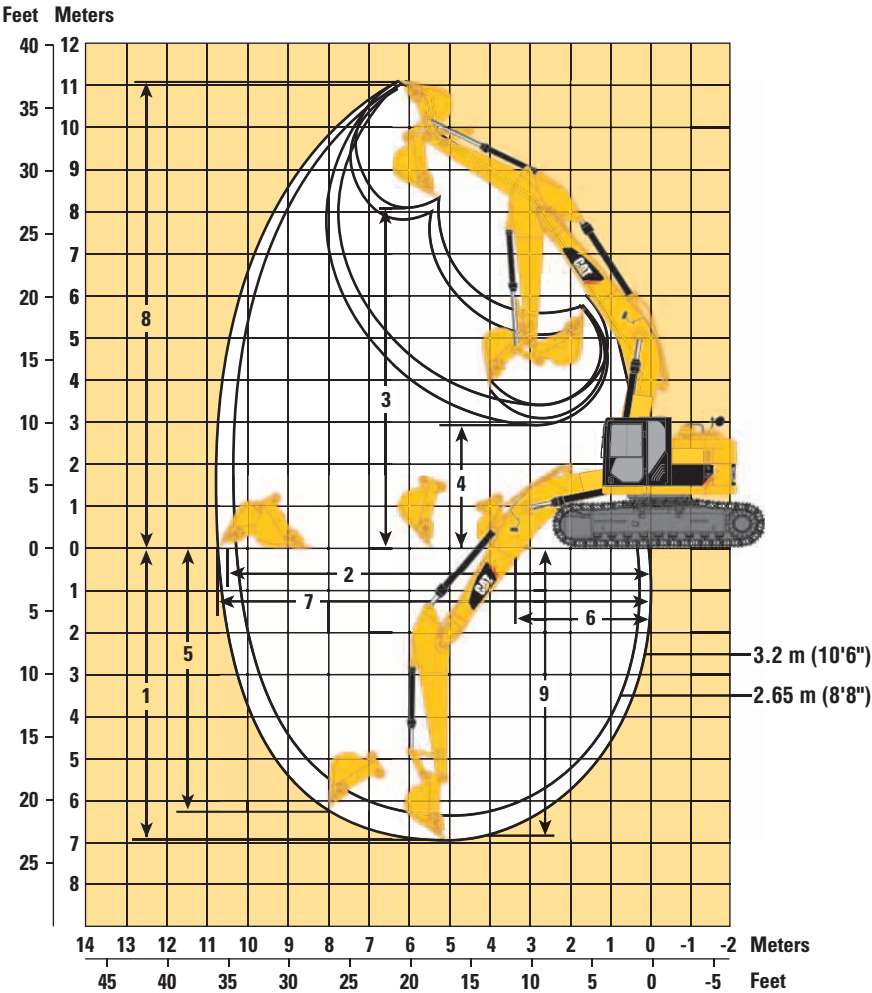


Boom Options	Reach 6.15 m (20'2")	Reach 6.15 m (20'2")
Stick Size	R3.2CB2 m (10'6")	R2.65CB2 m (8'8")
1 Shipping Height	3370 mm (11'1")	3400 mm (11'2")
2 Shipping Length	9820 mm (32'3")	9820 mm (32'3")
3 Tail Swing Radius	1900 mm (6'3")	1900 mm (6'3")
4 Length to Center of Idler and Sprocket	4040 mm (13'3")	4040 mm (13'3")
5 Track Length	5020 mm (16'6")	5020 mm (16'6")
6 Ground Clearance	510 mm (1'8")	510 mm (1'8")
7 Track Gauge	2590 mm (8'6")	2590 mm (8'6")
8 Transport Width		
850 mm (34") Shoes	3440 mm (11'3")	3440 mm (11'3")
700 mm (28") Shoes	3290 mm (10'10")	3290 mm (10'10")
600 mm (24") Shoes	3190 mm (10'6")	3190 mm (10'6")
9 Cab Height	3190 mm (10'0")	3190 mm (10'0")
10 Counterweight Clearance	1200 mm (3'11")	1200 mm (3'11")

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Working Ranges

All dimensions are approximate.



Boom Options	Reach 6.15 m (20'2")	Reach 6.15 m (20'2")
Stick Size	R3.2CB2 m (10'6")	R2.65CB2 m (8'8")
Bucket	HD 1.2 m³ (1.57 yd³)	HD 1.2 m³ (1.57 yd³)
1 Maximum Digging Depth	6920 mm (22'8")	6370 mm (20'11")
2 Maximum Reach at Ground Level	10 560 mm (34'8")	10 080 mm (33'1")
3 Maximum Loading Height	8040 mm (26'5")	7820 mm (25'8")
4 Minimum Loading Height	2990 mm (9'10")	3560 mm (11'8")
5 Maximum Vertical Wall Digging Depth	6260 mm (20'6")	5730 mm (18'10")
6 Minimum Front Swing Radius	3412 mm (11'2")	3392 mm (11'1")
7 Maximum Reach	10 770 mm (35'4")	10 310 mm (33'10")
8 Maximum Cutting Height	11 110 mm (36'5")	10 910 mm (35'10")
9 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6760 mm (22'2")	6190 mm (20'4")

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Bucket and Stick Forces

Power Buckets				
Stick Size	R3.2CB2 (10'6")	R3.2CB2 (10'6") with Coupler	R2.65CB2 (8'8")	R2.65CB2 (8'8") with Coupler
Bucket Digging Force (ISO)	200 kN (44,962 lb)	162 kN (36,419 lb)	201 kN (45,187 lb)	162 kN (36,419 lb)
Stick Digging Force (ISO)	133 kN (29,900 lb)	125 kN (28,101 lb)	152 kN (34,171 lb)	142 kN (31,923 lb)
Bucket Digging Force (SAE)	176 kN (39,566 lb)	157 kN (35,295 lb)	176 kN (39,566 lb)	157 kN (35,295 lb)
Stick Digging Force (SAE)	129 kN (29,000 lb)	124 kN (27,876 lb)	147 kN (33,047 lb)	141 kN (31,698 lb)

HD and HDR Buckets				
Stick Size	R3.2CB2 (10'6")	R3.2CB2 (10'6") with Coupler	R2.65CB2 (8'8")	R2.65CB2 (8'8") with Coupler
Bucket Digging Force (ISO)	179 kN (40,241 lb)	155 kN (34,845 lb)	180 kN (40,466 lb)	155 kN (34,845 lb)
Stick Digging Force (ISO)	130 kN (29,225 lb)	123 kN (27,651 lb)	149 kN (33,497 lb)	139 kN (31,248 lb)
Bucket Digging Force (SAE)	159 kN (35,745 lb)	142 kN (31,923 lb)	159 kN (35,745 lb)	142 kN (31,923 lb)
Stick Digging Force (SAE)	126 kN (28,326 lb)	120 kN (26,977 lb)	143 kN (32,148 lb)	136 kN (30,574 lb)

Major Component Weights

All weights are approximate.

Base Machine with Counterweight (without front linkage) with 850 mm (34") Shoe	29 700 kg	65,480 lb
Two Boom Cylinders (each)	270 kg	595 lb
Counterweight		
Standard Counterweight	7720 kg	17,020 lb
Boom (includes lines, pins and stick cylinder)		
Reach Boom 6.15 m (20'2")	2300 kg	5,071 lb
Stick (includes lines, pins, bucket cylinder and linkage)		
R3.2CB2 m (10'6")	1390 kg	3,064 lb
R2.65CB2 m (8'8")	1300 kg	2,866 lb

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Bucket Specifications and Compatibility*

	Linkage	Width		Capacity		Weight		Fill	Reach Booms		
		mm	in	m³	yd³	kg	lb	%	R2.65 (8'8")	R3.2 (10'6")	R3.75 (12'4")
Without Quick Coupler											
General Duty (GD)	CB	600	24	0.63	0.83	724	1,595	100%	●	●	●
	CB	750	30	0.86	1.13	810	1,785	100%	●	●	●
	CB	900	36	1.09	1.43	907	1,998	100%	●	●	●
	CB	1050	42	1.34	1.75	979	2,157	100%	●	●	●
	CB	1200	48	1.58	2.07	1070	2,358	100%	⊙	⊙	⊙
	CB	1350	54	1.83	2.40	1164	2,564	100%	⊙	⊖	⊖
Heavy Duty (HD)	CB	600	24	0.52	0.68	763	1,681	100%	●	●	●
	CB	750	30	0.71	0.93	847	1,866	100%	●	●	●
	CB	900	36	0.91	1.19	935	2,061	100%	●	●	●
	CB	1050	42	1.12	1.46	1024	2,256	100%	●	●	●
	CB	1200	48	1.33	1.74	1095	2,413	100%	●	●	●
	CB	1350	54	1.54	2.02	1188	2,618	100%	●	●	⊙
	CB	1500	60	1.76	2.30	1285	2,831	100%	⊙	⊖	⊖
	CB	1650	66	1.97	2.58	1357	2,990	100%	⊙	⊖	○
	DB	1500	60	1.88	2.46	1624	3,579	100%			
Severe Duty (SD)	CB	600	24	0.52	0.68	810	1,784	90%	●	●	●
	CB	750	30	0.71	0.93	902	1,987	90%	●	●	●
	CB	900	36	0.91	1.19	999	2,202	90%	●	●	●
	CB	1050	42	1.12	1.46	1097	2,417	90%	●	●	●
	CB	1200	48	1.33	1.74	1178	2,595	90%	●	●	●
Maximum load pin-on (payload + bucket)								kg	4740	4290	3970
								lb	10,447	9,455	8,750

*Matches are dependent on excavator configurations. Consult your local Cat dealer for proper work tool match and product availability.

The above loads are in compliance with hydraulic excavator standard EN474, 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.

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)

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.

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Bucket Specifications and Compatibility*

	Linkage	Width		Capacity		Weight		Fill	Reach Booms		
		mm	in	m³	yd³	kg	lb	%	R2.65 (8'8")	R3.2 (10'6")	R3.75 (12'4")
With Center-Lock Quick Coupler											
General Duty (GD)	CB	600	24	0.63	0.83	724	1,595	100%	●	●	●
	CB	750	30	0.86	1.13	810	1,785	100%	●	●	●
	CB	900	36	1.09	1.43	907	1,998	100%	●	●	●
	CB	1050	42	1.34	1.75	979	2,157	100%	●	●	⊙
	CB	1200	48	1.58	2.07	1070	2,358	100%	●	⊙	⊖
	CB	1350	54	1.83	2.40	1164	2,564	100%	⊖	⊖	○
Heavy Duty (HD)	CB	600	24	0.52	0.68	763	1,681	100%	●	●	●
	CB	750	30	0.71	0.93	847	1,866	100%	●	●	●
	CB	900	36	0.91	1.19	935	2,061	100%	●	●	●
	CB	1050	42	1.12	1.46	1024	2,256	100%	●	●	●
	CB	1200	48	1.33	1.74	1095	2,413	100%	●	●	⊙
	CB	1350	54	1.54	2.02	1188	2,618	100%	⊙	⊖	⊖
	CB	1500	60	1.76	2.30	1285	2,831	100%	⊖	○	○
	CB	1650	66	1.97	2.58	1357	2,990	100%	⊖	○	◇
	DB	1500	60	1.88	2.46	1624	3,579	100%			
Severe Duty (SD)	CB	600	24	0.52	0.68	810	1,784	90%	●	●	●
	CB	750	30	0.71	0.93	902	1,987	90%	●	●	●
	CB	900	36	0.91	1.19	999	2,202	90%	●	●	●
	CB	1050	42	1.12	1.46	1097	2,417	90%	●	●	●
	CB	1200	48	1.33	1.74	1178	2,595	90%	●	●	⊙
Maximum load with coupler (payload + bucket)								kg	4235	3785	3465
								lb	9,335	8,343	7,638

*Matches are dependent on excavator configurations. Consult your local Cat dealer for proper work tool match and product availability.

The above loads are in compliance with hydraulic excavator standard EN474, 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.

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)

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.

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Work Tool Offering Guide*

Boom Option	Reach Boom – 6.15 m (20'2")		
Stick Size	R3.75CB2 (12'4")	R3.2CB2 (10'6")	R2.65CB2 (8'8")
Hydraulic Hammer	H120E S H130E S H140D S**	H120E S H130E S H140D S	H120E S H130E S H140D S
Multi-Processor	MP20 with CC Jaw** MP20 with CR Jaw** MP20 with PS Jaw** MP20 with S Jaw** MP20 with TS Jaw**	MP20 with CC Jaw MP20 with CR Jaw MP20 with PP Jaw** MP20 with PS Jaw*** MP20 with S Jaw MP20 with TS Jaw***	MP20 with CC Jaw MP20 with CR Jaw MP20 with PP Jaw MP20 with PS Jaw MP20 with S Jaw MP20 with TS Jaw
Pulverizer	P225**	P225***	P225
Mobile Scrap and Demolition Shear	S320B*** S340B (Boom Mount)	S320B S325B** S340B (Boom Mount)	S320B S325B*** S340B (Boom Mount)
Compactor (Vibratory Plate)	CVP110	CVP110	CVP110
Orange Peel Grapple			
Thumbs			
Rakes			
Center-Lock Pin Grabber Coupler			
Dedicated Quick Coupler			

These work tools are available for the 328D LRC.
Consult your local Cat dealer for proper work tool match and product availability.

*Matches are dependent on excavator configurations. Consult your local Cat dealer for proper work tool match and product availability.
**Pin-on only.
***Pin-on and CW coupler only.

328D LCR Hydraulic Excavator

Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

Boom – 6.15 m (20'2")

Heavy Lift – On

Bucket – None

Stick – R3.2CB2 (10'6")

Shoes – 850 mm (34") triple grouser

	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
															
9.0 m 30.0 ft	kg lb						*6000 *16,700	*6000 *16,700					*5800 *13,000	*5800 *13,000	6.04 19.24
7.5 m 25.0 ft	kg lb						*7600 *21,700	*7600 *21,700					*5250 *11,600	*5250 *11,600	7.43 24.09
6.0 m 20.0 ft	kg lb						*8050 *17,550	*8050 *17,550	*7550 *16,350	6050 13,000			*5050 *11,100	*5050 *11,100	8.33 27.18
4.5 m 15.0 ft	kg lb			*16 050 *34,100	*16 050 *34,100	*11 150 *24,000	*11 150 *24,000	*9100 *19,650	*8300 *17,850	*8000 *17,350	5900 12,700		*5050 *11,050	4550 10,000	8.88 29.08
3.0 m 10.0 ft	kg lb					*13 850 *29,750	12 000 25,900	*10 350 *22,350	7900 17,000	*8600 *18,600	5750 12,300	*6350 *11,550	4350 9,350	*5200 *11,400	9.16 30.03
1.5 m 5.0 ft	kg lb					*15 750 *33,950	11 350 24,400	*11 400 *24,650	7550 16,250	*9100 *19,750	5550 11,900	*7050 *12,850	4300 9,200	*5550 *12,150	9.18 30.11
Ground Line	kg lb			*5900 *13,500	*5900 *13,500	*16 200 *35,150	11 000 23,700	*11 900 *25,750	7300 15,750	9150 19,700	5400 11,650			*6100 *13,450	8.94 29.34
-1.5 m -5.0 ft	kg lb	*7300 *16,300	*7300 *16,300	*11 100 *25,150	*11 100 *25,150	*15 600 *33,750	10 950 23,500	*11 700 *25,300	7250 15,550	9100 19,600	5350 11,500			*7150 *15,750	8.43 27.63
-3.0 m -10.0 ft	kg lb			*17 750 *40,350	*17 750 *40,350	*13 900 *30,100	11 050 23,700	*10 600 *22,800	7250 15,650	*7850 *17,250	5400 11,900			*7650 *16,800	7.59 24.81
-4.5 m -15.0 ft	kg lb			*14 050 *30,000	*14 050 *30,000	*10 800 *23,000	*10 800 *23,000	*7850 *16,250	7500 16,150					*7150 *15,600	6.29 20.38

Boom – 6.15 m (20'2")

Heavy Lift – On

Bucket – None

Stick – R2.65CB2 (8'8")

Shoes – 850 mm (34") triple grouser

		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				m ft
														
9.0 m 30.0 ft	kg lb											*7850 *17,600	*7850 *17,600	5.29 16.70
7.5 m 25.0 ft	kg lb							*8450 *18,550	*8450 18,550			*6850 *15,200	*6850 *15,200	6.84 22.13
6.0 m 20.0 ft	kg lb							*8800 *19,150	8500 18,350	*8200 *16,700	6000 12,850	*6500 *14,350	5600 12,500	7.81 25.46
4.5 m 15.0 ft	kg lb					*12 300 *26,400	*12 300 *26,400	*9750 *21,100	8200 17,700	*8500 *18,450	5900 12,700	*6450 *14,250	4950 10,950	8.40 27.48
3.0 m 10.0 ft	kg lb					*14 850 *31,950	11 800 25,500	*10 900 *23,550	7850 16,950	*9000 *19,500	5750 12,350	*6650 *14,650	4600 10,150	8.69 28.48
1.5 m 5.0 ft	kg lb					*15 600 *35,150	11 300 24,300	*11 800 *25,500	7550 16,300	9350 20,100	5550 12,000	*7100 *15,600	4550 9,950	8.71 28.57
Ground Line	kg lb					*16 200 *35,150	11 100 23,850	*12 050 *26,050	7400 15,900	9200 19,850	5450 11,800	7800 17,150	4650 10,250	8.46 27.75
-1.5 m -5.0 ft	kg lb			*11 200 *25,450	*11 200 *25,450	*15 150 *32,850	11 100 23,850	*11 550 *24,950	7350 15,800	*8900 *19,100	5450 11,750	*8150 *17,900	5100 11,250	7.92 25.94
-3.0 m -10.0 ft	kg lb			*16 600 *36,000	*16 600 *36,000	*13 050 *28,150	11 250 24,150	*10 000 *21,400	7400 16,000			*7850 *17,300	6050 13,450	7.02 22.90
-4.5 m -15.0 ft	kg lb					*9150 *19,200	*9150 *19,200					*6800 *14,800	*6800 *14,800	5.58 18.00

*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.

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